# AHC Skilled Nursing Facility

# Initial Study/Mitigated Negative Declaration

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*Lead Agency:*

City of Rancho Mirage

69-825 Highway 111

Rancho Mirage, California 92270

*Prepared by:*

*Terra Nova Planning and Research*

*42635 Melanie Place, Suite 101*

*Palm Desert, CA 92211*

March, 2024

# ENVIRONMENTAL INITIAL STUDY
## AHC Skilled Nursing Facility

| | |
|---|---|
| **Project Title:** | AHC Skilled Nursing Facility |
| **City Project No:** | Conditional Use Permit Case No. CUP23-0004, Preliminary Development Plan Case No. PDP23-0004, Tentative Parcel Map Case No. TPM23-0003, and Environmental Assessment Case No. EA23-0009 |
| **Lead Agency Name and Address:** | City of Rancho Mirage<br>69-825 Highway 111<br>Rancho Mirage, California 92270<br>Phone: (760) 328-2266 |
| **Applicant:** | John Greenwood, Prest Vuksic Greenwood Architects |
| **Contact Person:** | Ben Torres, Planning Manager |
| **Phone Number:** | (760) 328-2266 |
| **Project Location:** | Northeast corner of Bob Hope Drive and Gerald Ford Drive. |
| **Accessor Parcel Number:** | APNs: 685-120-003 & 004 |
| **General Plan Designation:** | Office |
| **Zoning Designation:** | Office Commercial |

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# CHAPTER 1: PROJECT DESCRIPTION

## Project Description

The Project proposes the development of an approximately 5.75-acre site in Rancho Mirage, California (Exhibits 1, 2, and 3), to accommodate an approximately 42,526 square foot skilled nursing facility and a medical office building which will range between 5,000 and 10,000 square feet. The skilled nursing facility will be developed first, while the medical office building will be developed at a later date.

The site is designated as Office on the City's General Plan Land Use Map and zoned for Office Commercial. According to the City's Municipal Code, the Office Commercial zone is intended for professional office uses including administrative, corporate, financial, government, institutional, legal, and medical. According to the General Plan, this land use designation has a maximum lot coverage of 35 percent.

The subject site is currently vacant and undeveloped. The proposed development would occur in two phases. First, the 42,526 square foot skilled nursing facility, comprised of 46 licensed beds, would be built on the northern portion of the site, with access from Via Marta. The skilled nursing facility will be constructed in a Mediterranean architectural style, and will include Spanish-style tile roof and plaster exterior walls in a light neutral color palette. The building's roof will be at 22-24 feet, with a maximum height of 32 feet and ten inches for the tower element in the center of the building.

The second phase of development would result in a medical office building, between 5,000 and 10,000 square feet, on the southern portion of the site, adjacent to Gerald Ford Drive. A secondary access drive would be provided to Gerald Ford Drive. That building is not currently proposed, and will be designed and entitled following the skilled nursing facility (SNF).

At buildout, the proposed SNF and future medical office building would provide a total of 122 parking stalls, including 10 ADA spaces, 4 EV charging stalls, and 54 covered carport spaces. 12,432 square feet of landscaped area will be provided on-site, featuring drought-tolerant plant species and a water-efficient drip irrigation system. A four-foot wall will line the site along its northern, southern, and western boundaries. The Project will be set back from Gerald Ford Drive and Bob Hope Drive by a minimum of 25-feet.

## Project Location

The approximately 5.75-acre site proposed for development is comprised of APN 685-120-003 and -004. The site is bound by Gerald Ford Drive to the south, Bob Hope Drive to the west, Via Marta to the north, and residential development to the east.

## Access and Parking

The Project will have access to Via Marta and Gerald Ford Drive. Primary ingress/egress to the site will be from Via Marta, from the driveway on the north side of the side which has been located directly opposite a driveway to the office complex to the north. A secondary exit driveway will be provided on the southeast corner of the site, onto Gerald Ford Drive.

**Utilities**

The following agencies and companies will provide service to the Project site:

1. Sanitary Sewer: Coachella Valley Water District (CVWD)
2. Domestic Water: Coachella Valley Water District (CVWD)
3. Electricity: Imperial Irrigation District (IID)
4. Natural Gas: Southern California Gas Company (SoCalGas)
5. Solid Waste Disposal: Burrtec Waste and Recycling Services
6. Telephone and Cable: Frontier and Spectrum

**Environmental Setting and Surrounding Land Uses**

The subject site is currently vacant and undeveloped. The property is relatively flat, with sparse desert scrub vegetation. Meandering sidewalks line the southern and western boundaries of the site, along the frontages with Gerald Ford Drive and Bob Hope Drive. An existing block wall separates the Project site from the existing residential development to the east.

West: Bob Hope Drive, followed by single family residential development.

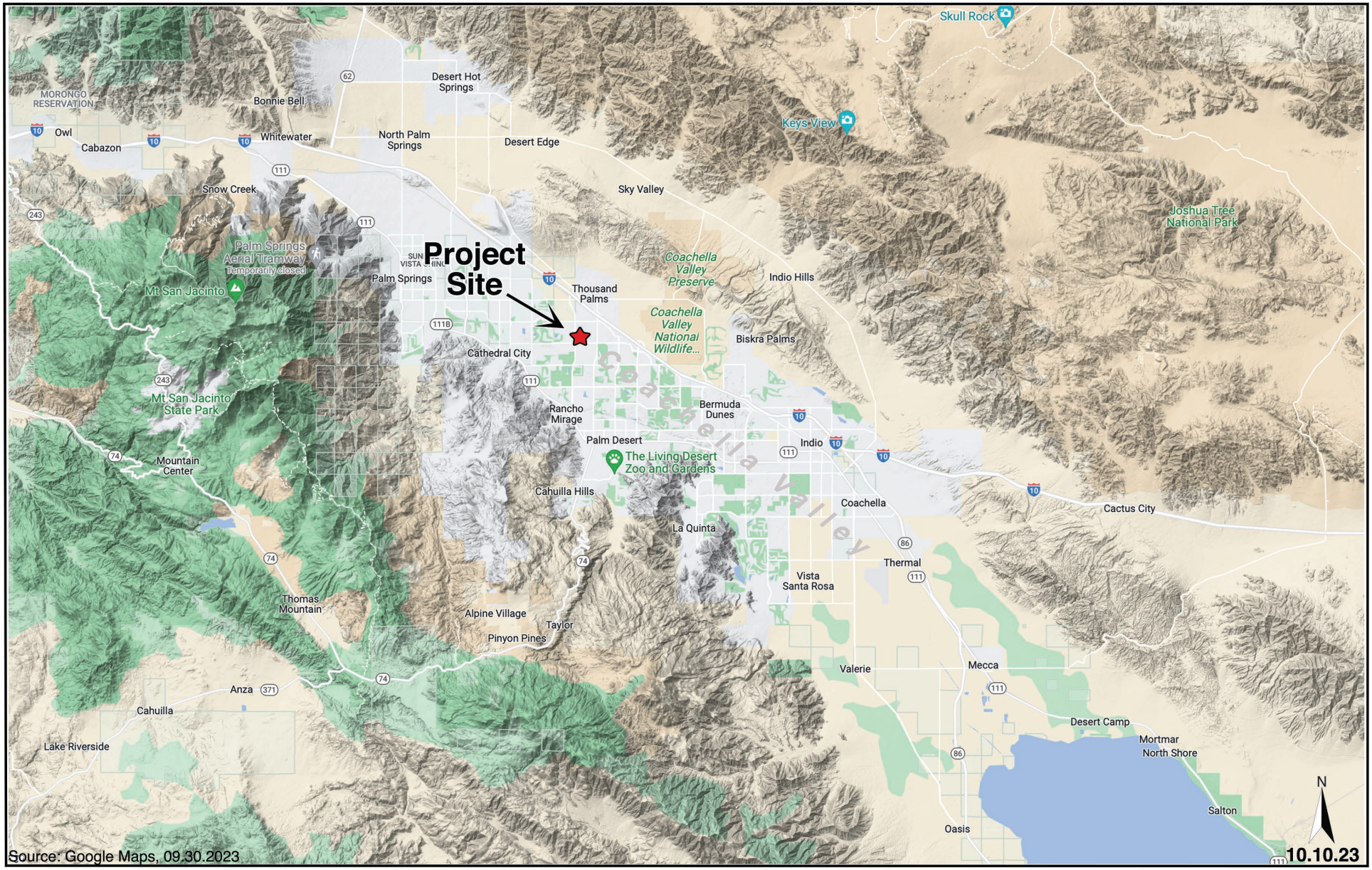
North: Via Marta, followed by commercial development (medical offices).

South: Gerald Ford Drive, followed by the Cotino residential development (under construction).

East: Single family residential development.

**Other public agencies whose approval is required**

Regional Water Quality Control Board

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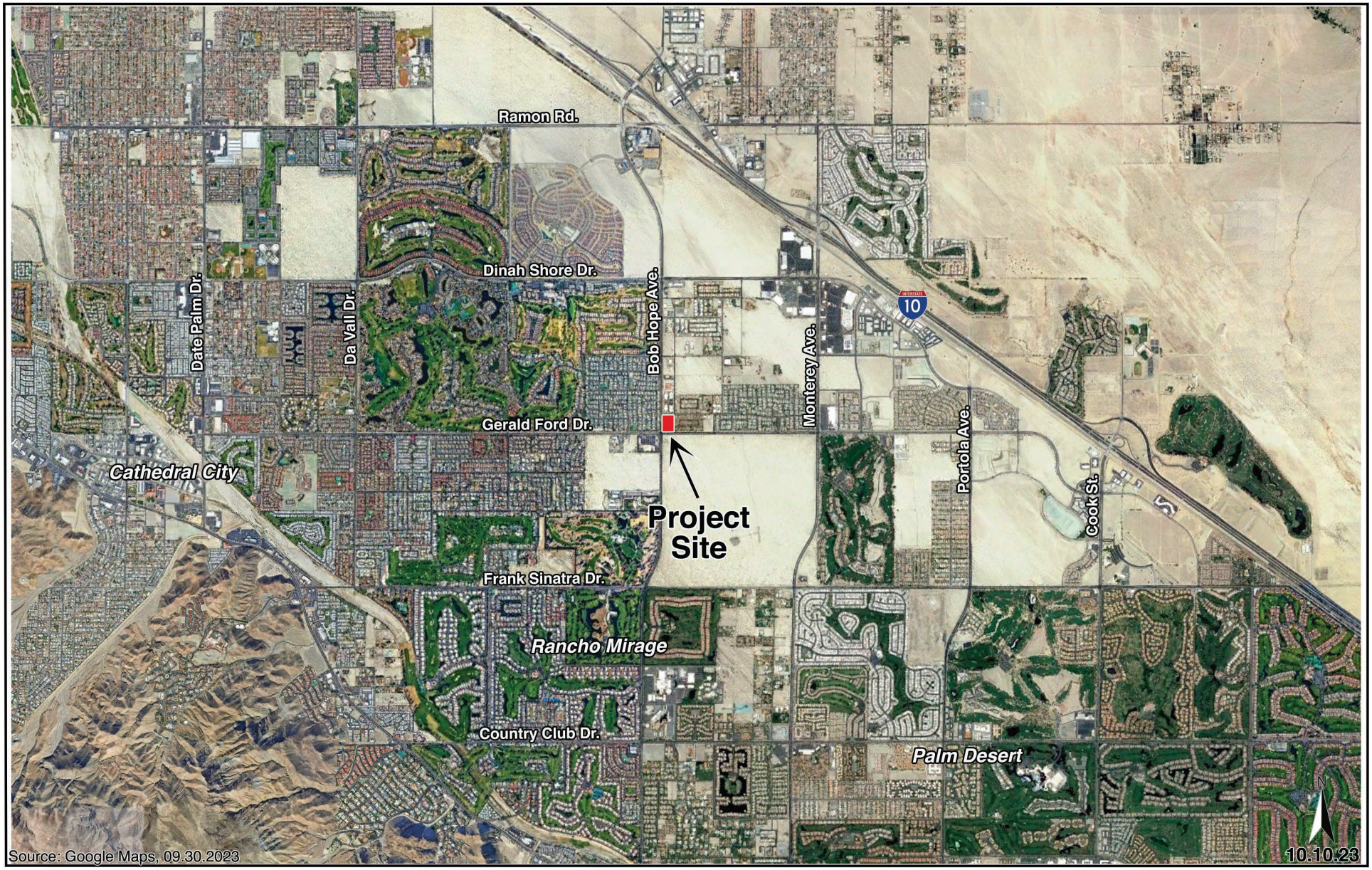
**AHC Skilled Nursing Facility**
**Regional Location Map**
**Rancho Mirage, California**

**Exhibit**
**1**

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**AHC Skilled Nursing Facility**
**Project Vicinity Map**
**Rancho Mirage, California**

**Exhibit**
**2**


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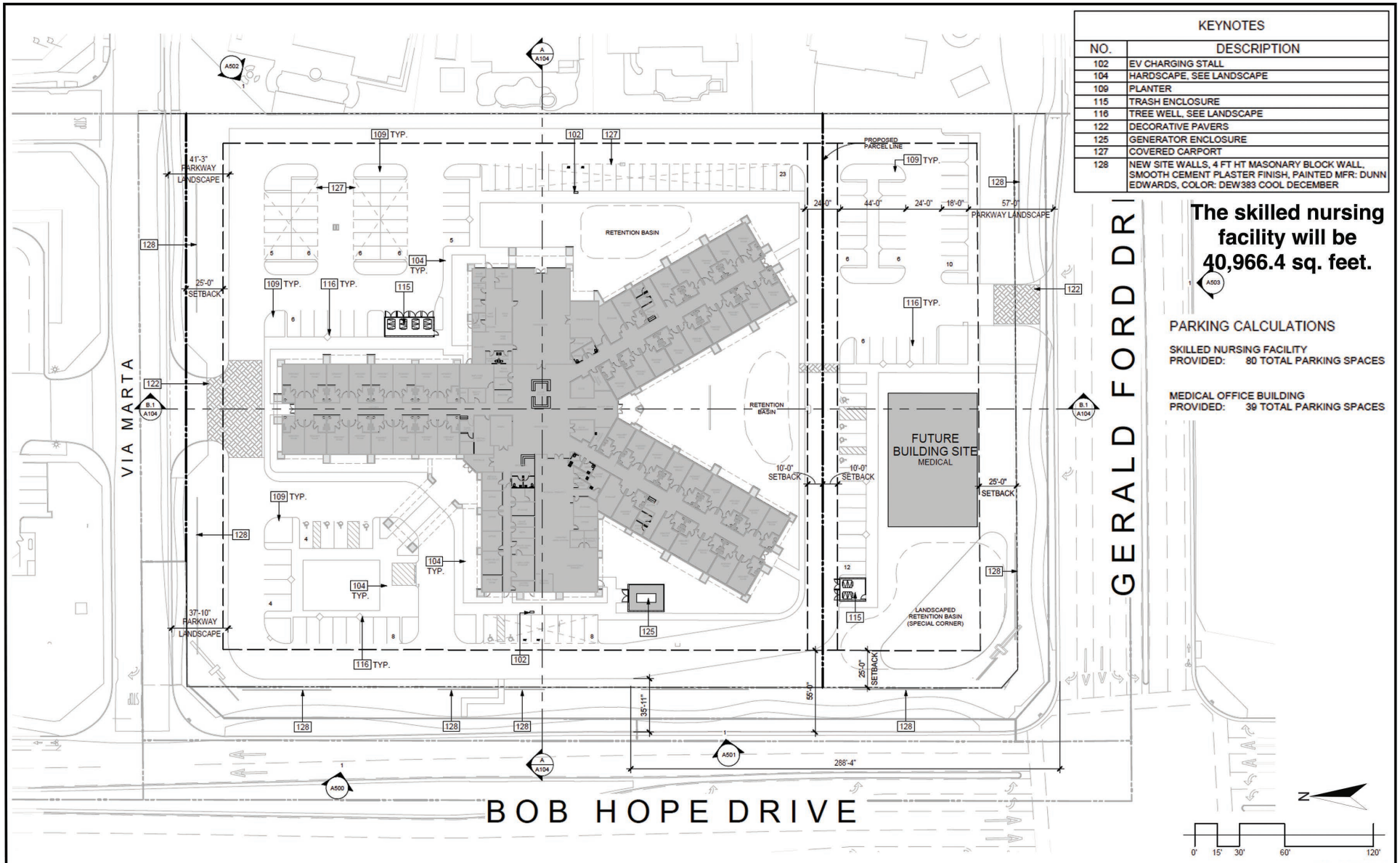
**AHC Skilled Nursing Facility**
**Project Location Map**
**Rancho Mirage, California**

**Exhibit**
**3**




Source: Prest, Vuksic, Greenwood Architects, Interiors, 09.29.2023

02.07.24

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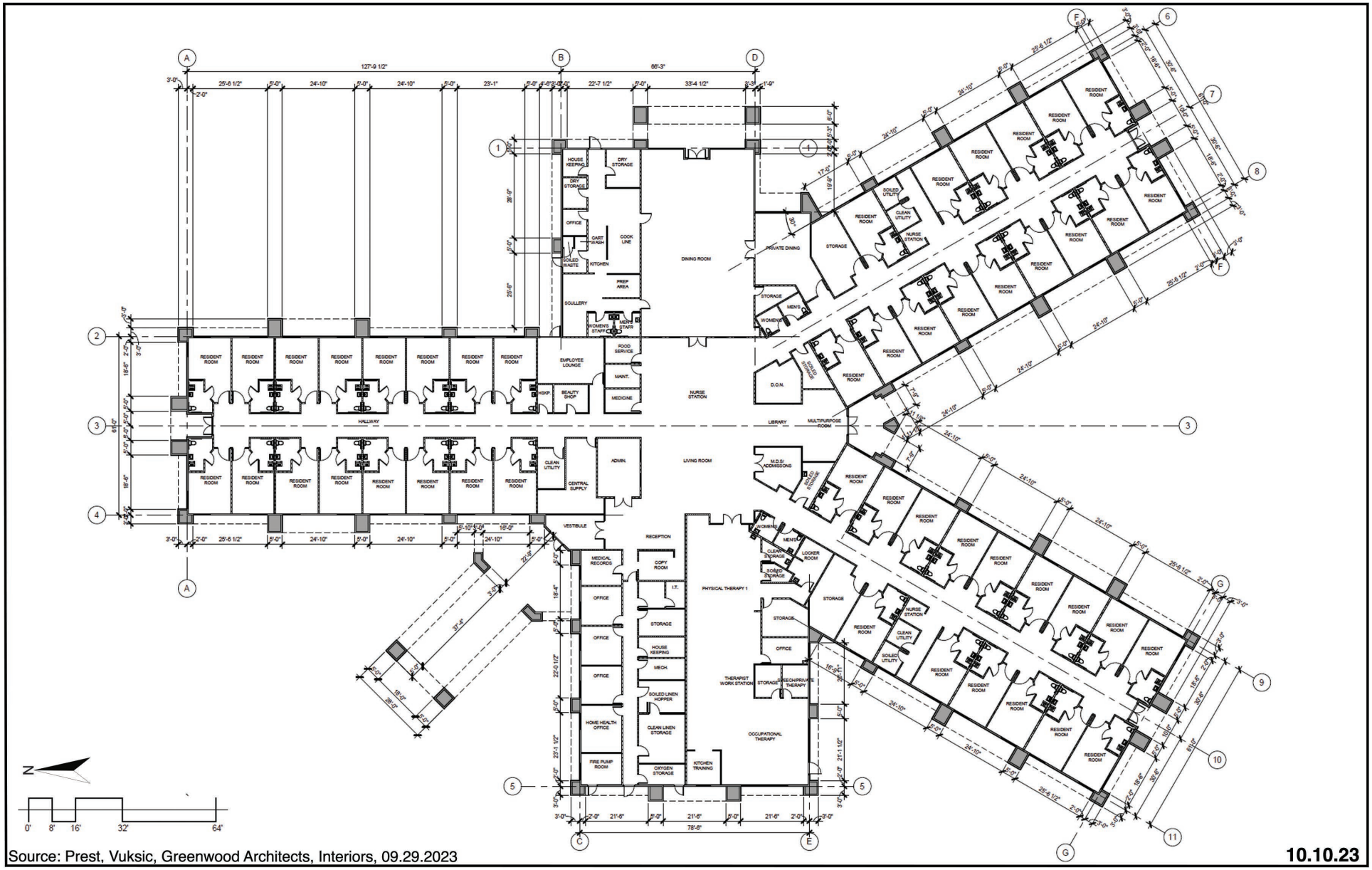
**AHC Skilled Nursing Facility**
**Site Plan**
**Rancho Mirage, California**

**Exhibit**
**4**




Source: Prest, Vuksic, Greenwood Architects, Interiors, 09.29.2023

10.10.23

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# AHC Skilled Nursing Facility
## Floor Plan
## Rancho Mirage, California

Exhibit

5


NORTH ELEVATION (VIA MARTA)


EAST ELEVATION - PARTIAL


EAST ELEVATION - PARTIAL

Source: Prest, Vuksic, Greenwood Architects, Interiors, 09.29.2023

**10.10.23**

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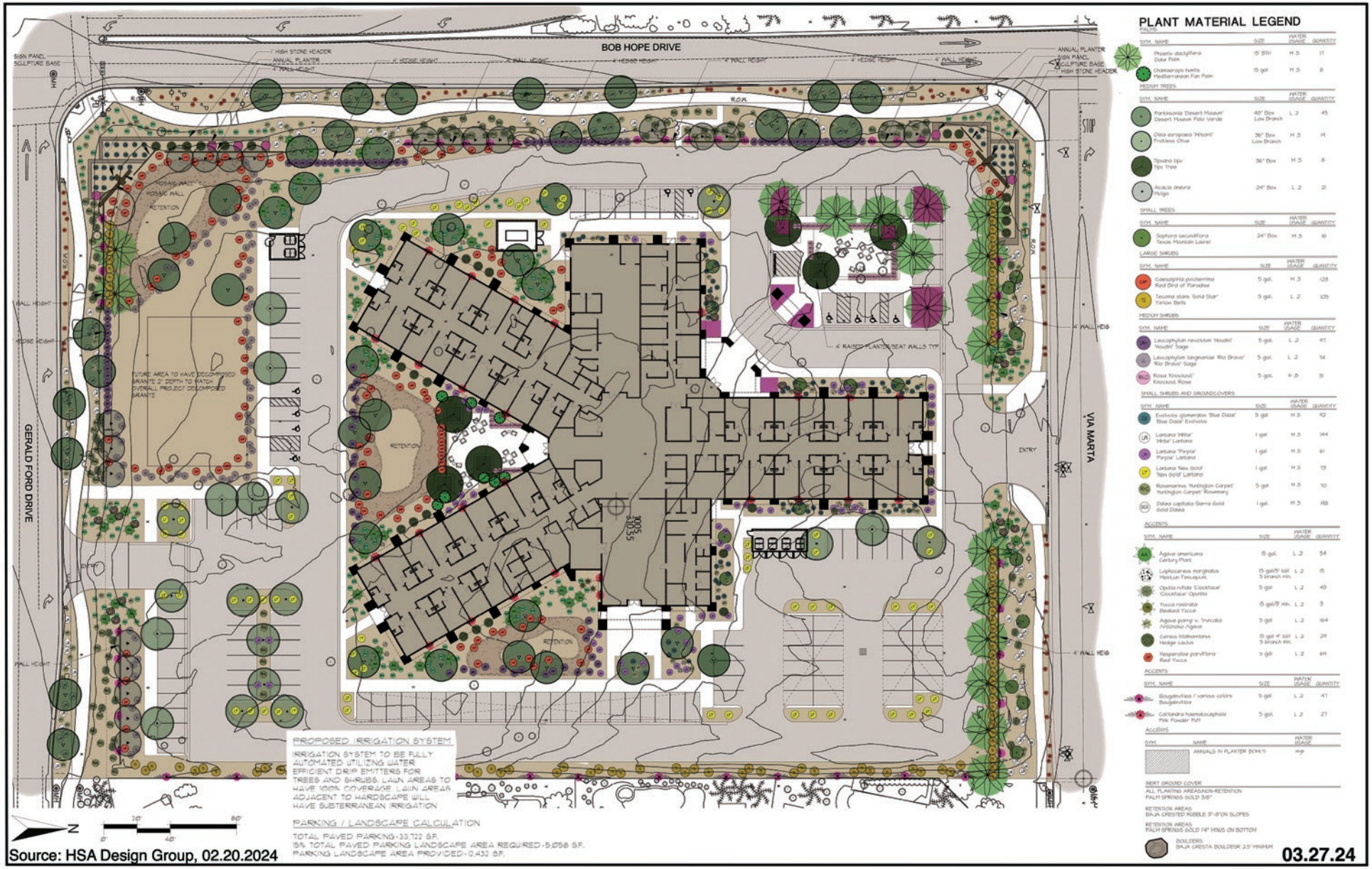
# AHC Skilled Nursing Facility
# Elevations
# Rancho Mirage, California

**Exhibit**

**6**




Source: HSA Design Group, 02.20.2024

03.27.24

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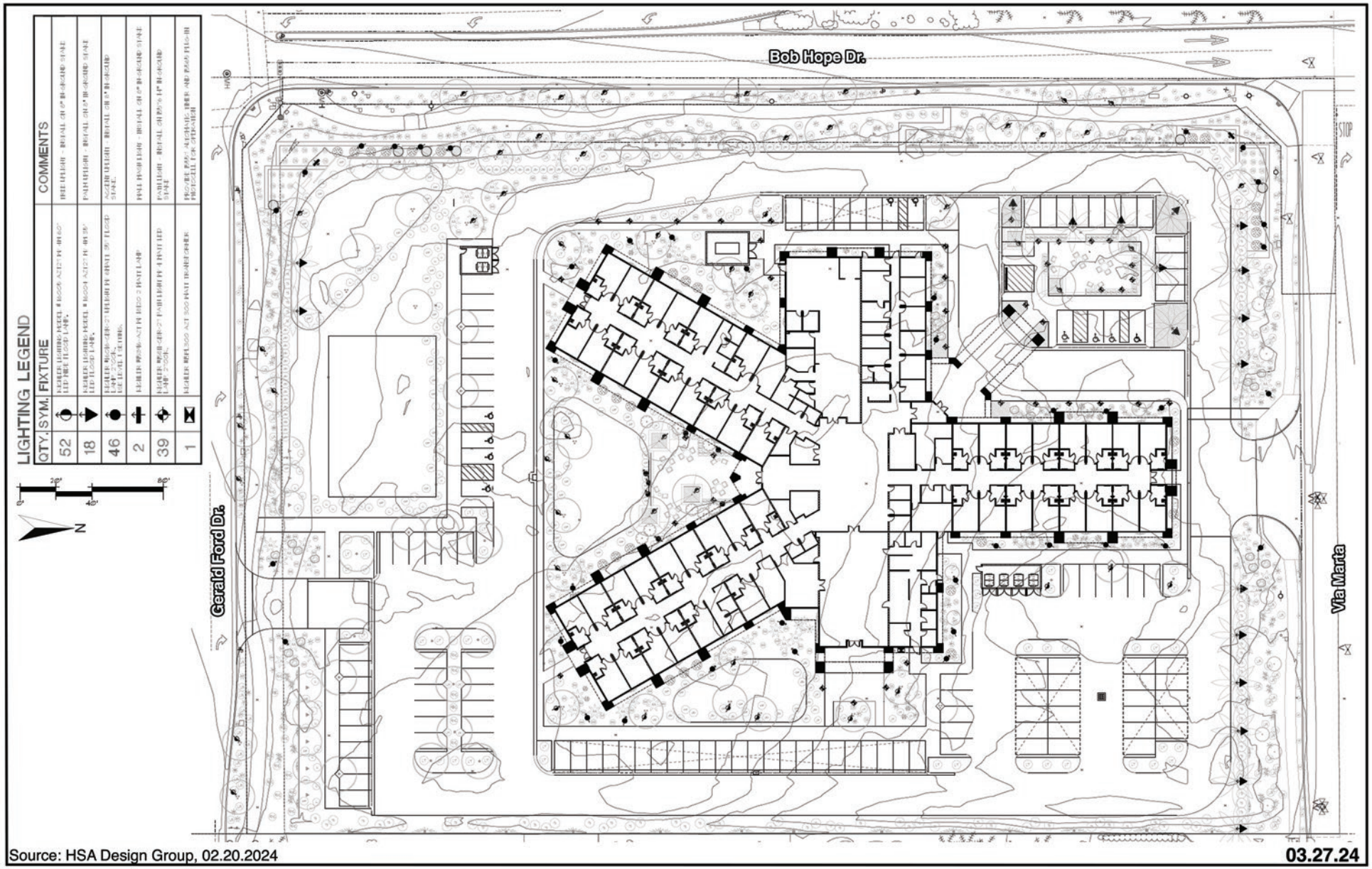
# AHC Skilled Nursing Facility
# Landscape Plan
# Rancho Mirage, California

Exhibit

7




Source: HSA Design Group, 02.20.2024

03.27.24

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**AHC Skilled Nursing Facility**
**Lighting Plan**
**Rancho Mirage, California**

**Exhibit**
**8**

# CHAPTER 2: ENVIRONMENTAL ANALYSIS AND DETERMINATION

## Environmental Factors Potentially Affected:

The environmental factors checked below would be potentially affected by this Project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

| | | |
|---|---|---|
| ☐ Aesthetics | ☐ Agriculture and Forestry Resources | ☐ Air Quality |
| ☐ Biological Resources | ☐ Cultural Resources | ☐ Energy |
| ☐ Geology / Soils | ☐ Greenhouse Gas Emissions | ☐ Hazards & Hazardous Materials |
| ☐ Hydrology / Water Quality | ☐ Land Use / Planning | ☐ Mineral Resources |
| ☐ Noise | ☐ Population / Housing | ☐ Public Services |
| ☐ Recreation | ☐ Transportation | Tribal Cultural Resources |
| ☐ Utilities / Service Systems | ☐ Wildfire | ☐ Mandatory Findings of Significance |

## Evaluation of Environmental Impacts:

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).

5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

a) Earlier Analysis Used. Identify and state where they are available for review.

b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9) The explanation of each issue should identify: a) the significance criteria or threshold, if any, used to evaluate each question; and b) the mitigation measure identified, if any, to reduce the impact to less than significance.

**Determination:** (To be completed by the Lead Agency) On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Ben Torres, Planning Manager
City of Rancho Mirage

4-10-2024
Date:

## Environmental Checklist and Discussion:

The following checklist evaluates the proposed Project's potential adverse impacts. For those environmental topics for which a potential adverse impact may exist, a discussion of the existing site environment related to the topic is presented followed by an analysis of the Project's potential adverse impacts. When the Project does not have any potential for adverse impacts for an environmental topic, the reasons why there are no potential adverse impacts are described.

### 1 - Aesthetics

| **AESTHETICS** -- Would the project**:** | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Have a substantial adverse effect on a scenic vista? | ☐ | ☐ | ☒ | ☐ |
| b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? | ☐ | ☐ | ☐ | ☒ |
| c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? | ☐ | ☐ | ☒ | ☐ |
| d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area? | ☐ | ☐ | ☒ | ☐ |

**Sources:**

*1.1 Setting*

The Project site is located on the floor of the Coachella Valley, a northwest to southeast trending desert valley that extends approximately 45 miles. The valley is bound by the San Bernardino Mountains to the north, the San Jacinto and Santa Rosa Mountains to the west and southwest, and the Little San Bernardino Mountains to the northeast.

The subject site is currently vacant and undeveloped. The Project is located in Rancho Mirage at the intersection of Bob Hope Drive and Gerald Ford Drive, on a property that is surrounded by existing residential development to the east and west, existing medical office uses to the north, and lands currently vacant but being developed to the south.

The City's Community Design Element in the General Plan 2017 Update provides guidelines intended to guide the aesthetics and scenic resources in Rancho Mirage. According to Exhibit 32 in the Community Design Element, the intersection of Bob Hope Drive and Gerald Ford Drive is designated as an enhanced intersection and a special corner overlay. Exhibit 32 also indicates that Gerald Ford Drive is a view corridor looking west, and Bob Hope Drive is a view corridor looking both north and south.

*1.2 Discussion of Impacts:*

**a) LESS THAN SIGNIFICANT IMPACT.**

The Project proposes the development of a skilled nursing facility and the future development of a medical office building on a site zoned for Office Commercial (O). Significant impacts could occur if the Project were to introduce incompatible visual elements within a field of view containing a scenic vista, or if it would substantially block views of a scenic vista.

From the Project site, there are scenic views of the San Jacinto Mountains to the west, the Santa Rosa Mountains to the south, and the Little San Bernardino Mountains to the north and northeast. These mountains are generally visible from the properties surrounding the Project site, particularly the middle and upper elevations of the mountains. Once constructed, the proposed Project would not introduce incompatible visual elements into a field of view containing a scenic vista. The proposed buildings could, however, partially block views of these scenic vistas.

According to the City's Community Design Element, Bob Hope Drive is a view corridor looking north and south, and Gerald Ford Drive is a view corridor looking west. Given the width of these roadways, and the 25-foot setbacks to be provided along both street frontages, the Project will not impact either of these vistas.

The lands south of the Project site, across Gerald Ford Drive, are currently being developed. The Project could partially block views of the Little San Bernardino Mountains from this future development, but the intervening roadway and minimum 25-foot setbacks will ensure that views are not fully obscured.

From the residential development to the west of the Project site, across Bob Hope Drive, scenic vistas are primarily to the north, west, and south. The proposed development would therefore have no impact on the scenic vistas from these houses.

From Via Marta and the existing offices north of the subject site, scenic vistas are to the south and west. The proposed development would partially obscure views of the Santa Rosa Mountains from the north, however the proposed setbacks and site coverage would ensure that the southern mountains would still be partially visible. The expansive vista of the San Jacinto Mountains visible from lands north of the Project site would remain unimpeded. Similarly, the existing residential properties immediately east of the Project site have views of the higher elevations of the San Jacinto Mountains to the west and views of the Santa Rosa Mountains to the south. The Project would not impact the southerly views, however the proposed buildings could partially obstruct the view to the west. Compliance with the City's development standards, including site coverage and setbacks, would ensure that any scenic vistas from the residential development east of the Project site would not be fully obstructed.

Overall, the building configuration and coverage proposed by the Project, as well as the presence of the unimpeded public view corridors along Bob Hope Drive and Gerald Ford Drive, will ensure that the Project has a less than significant impact on scenic vistas in the area.

**b) NO IMPACT.**

The Project site is currently vacant and does not contain any scenic resources such as trees, rock outcroppings, or historical buildings. None of the roadways surrounding the Project site are designated as a state scenic highway. No impact would occur.

**c) LESS THAN SIGNIFICANT IMPACT.**

The proposed development would be generally consistent with the character and use of surrounding land uses, particularly lands on the north side of Via Marta and along the east side of the Bob Hope Drive corridor, which are occupied by medical and other office uses. The high-quality design and landscaping of the proposed development, as well as the Spanish-style architecture, will ensure that the Project does not adversely impact the visual character of the area.

The Project site is located in an urbanized area. The proposed development will conform to the designated zoning district and other regulations governing scenic quality. The subject site is zoned for Office Commercial (O) development, which allows for development of up to 15-acre sites, with a maximum lot coverage of 35%, and a maximum building height of 20 feet or one story (whichever is less). Consistent with the development standards for the Office Commercial zone, the Project proposes the development of an approximately 5.75-acre site with 20% lot coverage. However, the proposed skilled nursing facility will have a building height of 22-24 feet, with a tower element of up to 32 feet and 10 inches at the highest point on the roof. The zoning standards allow for increases in height, requiring an additional two feet of setback for every foot over 20 feet. In the case of the proposed Project, the setback on Bob Hope is 25 feet. The SNF building is set back from the former by over 50 feet, when the zoning requirements would require a 29 foot setback to accommodate the increased height. On the property's east side, the setback is 20 feet (rear setback), and the building is set back over 60 feet, when the zoning requirement would be 28 feet to accommodate the increased height. Therefore, the Project will comply with the City's zoning standards, and impacts will be less than significant.

The corner of Bob Hope Drive and Gerald Ford Drive is covered by a Special Corner (SC) overlay. Consistent with the standards for the SC overlay, the Project will provide screening from public streets with 4-foot walls and landscaping.

Overall, the Project will conform to applicable zoning and other regulations governing scenic quality. The Project provides the required additional setbacks required for heights over 20 feet, and meets all other development standards. This will ensure that impacts associated with visual character in urbanized areas are less than significant.

**d) LESS THAN SIGNIFICANT IMPACT.**

The Project site is currently vacant and does not contain any existing sources of light or glare. The subject site is located in an urbanized area in Rancho Mirage. Existing light sources in the vicinity of the Project include street lights at the intersection of Bob Hope Drive and Gerald Ford Drive, lights on residential properties to the east of the subject site as well as on the residential properties on the west side of Bob Hope Drive, parking lot lights in the medical offices north of the subject site, and lights from vehicular traffic.

The proposed development would generate new sources of light from interior and exterior building lighting, parking lot and landscape lighting, and lights from vehicles accessing the property. Pursuant to Section 17.18.050 of the City's Municipal Code, all exterior lighting provided on-site will be energy-efficient and shielded or recessed so that no direct glare or reflections extend beyond the boundaries of the Project parcel. Exterior lighting shall also be directed downwards and away from neighboring properties and roadways, and shall comply with all other regulations

provided in Section 17.18.050 of the Municipal Code. The Project includes lighting and electrical photometric plans, which will be subject to review by the City during application process.

Overall, lighting and glare resulting from the Project would be expected to be consistent with surrounding uses, and plan review by the City will ensure that any impacts related to light and glare are less than significant.

*1.3 Mitigation Measures:* None required.

## 2 - Agriculture and Forestry Resources

| **AGRICULTURE AND FORESTRY RESOURCES** – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | ☐ | ☐ | ☐ | ☒ |
| b) Conflict with existing zoning for agricultural use, or a Williamson Act contract? | ☐ | ☐ | ☐ | ☒ |
| c) Conflict with existing zoning for, or cause rezoning of forest land, timberland, or timberland zoned Timberland Production? | ☐ | ☐ | ☐ | ☒ |
| d) Result in the loss of forest land or conversion of forest land to non forest use? | ☐ | ☐ | ☐ | ☒ |
| e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? | ☐ | ☐ | ☐ | ☒ |

**Sources:** California Department of Conservation, California Important Farmland Finder https://maps.conservation.ca.gov/DLRP/CIFF/ (accessed October 2023); City of Rancho Mirage General Plan 2017 Update.

### *2.1 Setting*

According to the California Important Farmland Finder provided by the California Department of Conservation, there are no lands in Rancho Mirage designated as Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance, or any other farmland designations. Land in Rancho Mirage is designated as Urban and Built-Up Land or as Other Land. The City also does not contain any forest land.

The City's General Plan land use and zoning designations do not include any lands designated for agricultural or forestry purposes.

*2.2 Discussion of Impacts:*

**a) NO IMPACT:**
According to the Department of Conservation's California Important Farmland Finder, the Project site, as well as lands to the south of the subject site, are designated as Other Land. Lands to the east, west, and north of the Project site are designated as Urban and Built-Up Land. The proposed development would therefore not result in the conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use. There would be no impact.

**b) NO IMPACT:**
The City of Rancho Mirage does not have any lands zoned for agricultural use. The Project site is zoned for Commercial Office use, and is not under a Williamson Act contract. The proposed development would therefore not conflict with the existing zoning, nor would it conflict with a Williamson Act contract. There would be no impact.

**c) NO IMPACT:**
The City of Rancho Mirage does not have any lands zoned for forest land, timberland, or Timberland Production. As previously stated, the Project site is zoned for Commercial Office use. The proposed development would therefore not conflict with existing zoning related to forest resources, and there would be no impact.

**d) NO IMPACT:**
There is no forest land in Rancho Mirage, and the Project site, which is currently vacant desert land, is occupied by sparse desert vegetation. The proposed development would not result in the loss of forest land or the conversion of forest land to non forest use. There would be no impact.

**e) NO IMPACT:**
There is no farmland on the subject site or within Rancho Mirage. The proposed Project would not result in other changes to the environment which could result in the conservation of Farmland to non-agricultural use. There would be no impact.

*2.3 Mitigation Measures:* None required.

## 3 - Air Quality

| **AIR QUALITY** – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Conflict with or obstruct implementation of the applicable air quality plan? | ☐ | ☐ | ☒ | ☐ |
| b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? | ☐ | ☐ | ☒ | ☐ |
| c) Expose sensitive receptors to substantial pollutant concentrations? | ☐ | ☐ | ☒ | ☐ |
| d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? | ☐ | ☐ | ☒ | ☐ |

**Sources:** CalEEMod Version 2022.1.1.21; SCAG 2020-2045 RTP/SCS Demographics and Growth Forecast Technical Report (September 2020); SCAQMD 2022 AQMP (December 2022); SCAQMD Final Localized Significance Threshold Methodology (July 2008).

### *3.1 Setting*

Rancho Mirage is located in the Riverside County portion of the Salton Sea Air Basin (SSAB), also known as Coachella Valley Planning Area. The SSAB is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD), one of 35 air quality regulatory agencies in California. All development projects in the Coachella Valley Planning Area are subject to the 2022 SCAQMD Air Quality Management Plan (AQMP) and the 2003 Coachella Valley PM10 State Implementation Plan (CV $PM_{10}$ SIP).

Criteria air pollutants are contaminants regulated by the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS). Ambient air quality in the Project area, Source Receptor Area (SRA) 30, is measured at monitoring stations in Palm Springs, Indio, and Mecca. The Coachella Valley Planning Area is designated as being in attainment for carbon monoxide (CO), fine particulate matter ($PM_{2.5}$), nitrogen dioxide ($NO_2$), lead (Pb), sulfur dioxide ($SO_2$), and hydrogen sulfide ($H_2S$). Ambient air quality in the Coachella Valley exceeds state and federal air quality standards for fugitive dust ($PM_{10}$) and ozone ($O_3$).

In accordance with Clean Air Act, areas that do not attain the NAAQS and CAAQS are required to develop and implement plans to attain healthy air quality within a reasonable timeframe. The

SCAQMD's Final 2022 Air Quality Management Plan (AQMP) focuses on implementing provisions to bring the Coachella Valley Planning Area in compliance with the federal 8-hour ozone standard by August 3, 2033. The District also has an adopted Final 2003 Coachella Valley PM10 State Implementation Plan.

The proposed Project is expected to result in criteria air pollutant emissions during its construction and operations, as projected using the California Emissions Estimate Model (CalEEMod Version 2022.1.1.21).

**a) NO IMPACT:**

The Project site is located within the jurisdiction of the SCAQMD and is therefore subject to the 2022 South Coast Air Quality Management Plan (2022 AQMP) and the 2003 Coachella Valley PM10 State Implementation Plan (2003 CV PM10 SIP). The 2022 AQMP is a comprehensive plan establishing guidelines and strategies for reducing air pollutants in order to meet national air quality standards. As a U.S EPA designated "extreme" nonattainment area, the 2022 AQMP focuses on plans for the South Coast air basin and Coachella Valley Planning Area to attain the 2015 8-hour ozone standard of 70 parts per billion.

SCAQMD works with the Southern California Association of Governments (SCAG) as well as local governments, such as the City of Rancho Mirage. According to the Rancho Mirage General Plan 2017 Update, the Project site is zoned and designated for Office Commercial (O), which is intended for various professional office uses, including medical, and also permits convalescent hospitals. The proposed 42,526 square foot skilled nursing facility and future medical office building of up to 10,000 square feet will be consistent with the permitted uses and 35% maximum lot coverage permitted in the Office Commercial designation.

SCAG adopted the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (2020-2045 RTP/SCS) in compliance with requirements of the Sustainable Communities and Climate Protection Act. The Demographics and Growth Forecast component of the RTP/SCS forms the basis of the land use and transportation controls of the AQMP. The RTP/SCS projects that the population of Rancho Mirage will grow from 18,200 residents in 2016 to 25,200 residents by 2045. The proposed Project is consistent with the land use designation provided in the City's General Plan, which is accounted for in the RTP/SCS growth forecasts. Given that the Project conforms with the General Plan land use designation as well as the growth projections provided RTP/SCS, it can be assumed that it does not conflict with the AQMP.

The proposed development would be required to comply with all applicable regulations provided in the 2022 AQMP, the 2003 CV PM10 SIP, and all applicable rules in the SCAQMD Rule Book. Therefore, given that the proposed development aligns with the land uses accounted for in local and regional land use plans, and will comply will all applicable regulations, the Project would not conflict with the implementation of applicable air quality plans, and no impacts would occur.

**b) LESS THAN SIGNIFICANT IMPACT:**

A Project is considered to have significant air quality impacts if there is a cumulatively considerable net increase of any criteria pollutant for which the project is in non-attainment under the federal and state ambient air quality standards. Given that the Salton Sea Air Basin is currently a non-attainment area for ozone and PM10, impacts would be cumulatively considerable and significant if the Project's construction or operational emissions exceed the SCAQMD threshold for PM10 or for carbon monoxide (CO), nitrous oxides (NOx), or volatile organic compounds/reactive organic gases (VOC/ROG), which are ozone precursors.

The Project is expected to result in emissions of criteria air pollutants during both its construction and operational phases. Tables 1 and 2, below, provide the unmitigated emissions projected using CalEEMod Version 2022.1.1.21.

Construction Emissions

The Project is expected to be developed in two phases, with the proposed 42,526 square foot skilled nursing facility being developed first, and a potential medical office building of up to 10,000 square feet proposed for future development. However, for the purpose of analysis, the Project is analyzed based on a 1.5-year construction period, beginning in 2024. Should the Project begin construction at a later date, it will not affect the findings contained herein – the impacts will remain less than significant. The construction period includes site preparation, grading, paving, building construction and the application of architectural coatings.

Grading of the Project site is expected to result in 32,970 cubic yards (CY) of cut and 33,140 CY of fill, with a net 170 CY of material imports. It is assumed that standard dust control requirements will be applied during the grading phase and other applicable construction phases. Table 1 shows the maximum daily emissions that are projected to occur on a short-term basis during construction of the proposed Project.

**Table 1**
**Maximum Daily Construction-Related Emission Summary**
**(pounds per day)**

| **Construction Emissions** | **CO** | **$NO_x$** | **ROG** | **$SO_x$** | **$PM_{10}$** | **$PM_{2.5}$** |
|---|---|---|---|---|---|---|
| Daily Maximum | 34.7 | 36.1 | 6.85 | 0.05 | 9.49 | 5.47 |
| **SCAQMD Thresholds** | 550 | 100 | 75 | 150 | 150 | 55 |
| **Exceeds?** | No | No | No | No | No | No |
| Source: CalEEMod Version 2022.1.1.21 | | | | | | |

As shown in the above table, construction of the Project is not projected to exceed the SCAQMD threshold for maximum daily emissions for any criteria pollutant. Construction impacts will be less than significant.

Operational Emissions

Operation emissions are long-term emissions resulting over the life of a project. The Project's operational emissions include area source emissions, mobile source emissions, emissions from energy demand, and emissions associated with the operation of an emergency generator.

The Project's mobile emissions were calculated based on trip rates from the Institute of Transportation Engineers (ITE) Trip Generation Manual 11th edition. Specifically, the trip rate for ITE land use code 620 (Nursing Home) was used for the proposed 46-bed skilled nursing facility, and the trip rate for ITE land use code 720 (Medical-Dental Office Building) was used for the proposed 10,000 square foot medical office building.

Table 2 shows the maximum daily emissions projected to occur from operation of the proposed Project.

| Table 2<br>Maximum Daily Operational Emission Summary<br>(pounds per day) | | | | | | |
|---|---|---|---|---|---|---|
| **Operational Emissions** | **CO** | **$NO_x$** | **ROG** | **$SO_x$** | **$PM_{10}$** | **$PM_{2.5}$** |
| Daily Maximum | 43.3 | 9.33 | 5.69 | 0.10 | 7.96 | 2.30 |
| **SCAQMD Thresholds** | 550 | 55 | 55 | 150 | 150 | 55 |
| **Exceeds?** | No | No | No | No | No | No |
| Source: CalEEMod Version 2022.1.1.21 | | | | | | |

As shown in the above table, the Project is not expected to exceed the SCAQMD threshold for maximum daily operational emissions of any criteria pollutants.

As previously stated, the Project could result significant impacts if it were to result in a cumulatively considerable net increase of any criteria pollutant for which the SSAB is non-attainment under an applicable federal or state ambient air quality standard. SCAQMD states that if an individual development generates less than significant construction or operational emissions, then the project would not generate a cumulatively considerable increase in emissions for those pollutants for which the basin is in nonattainment. As shown in Tables 1 and 2 above, the Project's construction and operational emissions of PM10, CO, NOx, and ROG are projected to below the SCAQMD thresholds. Therefore, it can be concluded that the Project would result in incremental, but not cumulatively considerable impacts on regional PM10 and ozone levels, and that impacts would be less than significant.

**c) LESS THAN SIGNIFICANT IMPACT:**

Sensitive receptors include residential uses, schools, playgrounds, childcare centers, retirement home, hospitals, and other land uses likely to be occupied by individual who are sensitive to pollutants. The nearest sensitive receptors to the Project are single-family residences located immediately to the east of the subject site.

The SCAQMD Localized Significance Thresholds (LSTs) can be used to determine if a project would generate significant adverse localized air quality impacts. Using the SCAQMD Mass Rate Look-Up table for LSTs, the thresholds for 5-acre properties at a distance of 25 meters from the nearest receptors were used.

Operation of the proposed Project will not involve any substantial stationary sources, such as industrial or heavy agricultural uses, that might result in substantial pollutant concentrations. Therefore, the Project's operational emissions were not analyzed using LSTs. Table 3 compares the Project's construction emissions with the LSTs to determine if substantial pollutant concentrations would occur.

| Table 3<br>Localized Significance Thresholds (pounds per day)<br>25 Meters, 5 Acres | | | | |
|---|---|---|---|---|
| | **CO** | **$NO_x$** | **$PM_{10}$** | **$PM_{2.5}$** |
| **Construction Emissions** | 34.7 | 36.1 | 9.49 | 5.47 |
| **LST Threshold** | 2,292 | 304 | 14 | 8 |
| **Exceeds?** | No | No | No | No |
| Source: CalEEMod Version 2022.1.1.21 | | | | |

As shown in the above table, construction of the proposed Project would not exceed the SCAQMD localized significance thresholds for any of the applicable criteria pollutants, and impacts would be less than significant.

Health Impacts

Construction and operation of the proposed Project will result in criteria pollutant emissions that are below the SCAQMD significance threshold, as shown in Table 1 and 2. Neither operational emissions nor construction emissions would violate any air quality standard or contribute substantially to an existing air quality violation.

It is not currently scientifically feasible to calculate the degree to which exposure to various levels of criteria pollutant emissions would impact an individual's health. Factors that make this type of Project-level quantification unfeasible include:

- Due to varying medical histories, not all individuals are equally affected by pollutant emissions.
- Due to the dispersing nature of pollutants, it is difficult to precisely predict which individuals would be impacted, directly or indirectly.
- There are currently no approved methodologies upon which to base assumptions, such as ratios for emissions levels to health risks.

Given these limitations, the extent to which the Project poses a health risk is uncertain but unavoidable. However, the application of the SCAQMD localized significance thresholds indicates that construction of the proposed Project would have less than significant impacts to sensitive receptors. Likewise, the Project's operational emissions will not exceed the SCAQMD daily maximum thresholds. Furthermore, the Project will be required to comply with all applicable rules from the SCAQMD Rule Book, including Rule 403.1 and Rule 1113, to ensure that pollutant emissions and potential corresponding health risks are minimized to the greatest extent practicable.

Overall, it is anticipated that the Project's potential impacts to sensitive receptors will be less than significant.

**d) LESS THAN SIGNFICANT IMPACT:**

The emissions of objectional odors are typically associated with land uses such as industrial developments, heavy agriculture, sewage treatment, and landfills. The Project proposes a skilled nursing facility and future medical office building, neither of which would be expected to generate nuisance odors. Compliance with SCAQMD Rule 402 (Nuisance) would ensure that long-term odor emissions during Project operations are minimized. While construction of the proposed Project could result in the generation of odors, such as during paving, these emissions would be short term and would disperse quickly with distance from the subject site. Overall, impacts from objectionable odors will be less than significant.

*3.3 Mitigation Measures:* None required.

## 4 - Biological Resources

| **BIOLOGICAL RESOURCES** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? | ☐ | ☒ | ☐ | ☐ |
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service? | ☐ | ☐ | ☐ | ☒ |
| c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | ☐ | ☐ | ☐ | ☒ |
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | ☐ | ☒ | ☐ | ☐ |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | ☐ | ☐ | ☐ | ☒ |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? | ☐ | ☐ | ☐ | ☒ |

**Sources:** City of Rancho Mirage General Plan 2017 Update; Biological Resources Assessment & CVMSHCP Consistency Analysis Report prepared by WSP USA Environment & Infrastructure, Inc. (October 2023) (Appendix B).

*4.1 Setting*

The Project site is located on the floor of the Coachella Valley, an area subject to extreme aridity and mild winters. The site is in the City of Rancho Mirage, a signatory to the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP), which covers the conservation of 27 native plant and animal species, and 24 natural vegetation communities in the Valley. The Project site is not located within any CVMSHCP conservation areas. The nearest conservation areas are the Thousand Palms Conservation Area, approximately 2.5 miles northeast of the subject site, and the Santa Rosa and San Jacinto Mountains Conservation area, located approximately 2.5 miles to the southwest.

A Biological Resources Assessment and Coachella Valley Multiple Species Habitat Conservation Plan Consistency Report was prepared for the Project by WSP USA Environment & Infrastructure, Inc. (October 2023), provided in Appendix B. The biological resources assessment included a field assessment conducted in July 2023.

According to the field assessment, the approximately 5.5-acre Project site is currently undeveloped, with evidence of disturbance such as minor offroad vehicular activity, minor dumping, and roadside litter. The site is occupied by sparse native and non-native vegetation. Soils are sandy but mostly stabilized, likely due to surrounding development. No active sand dunes appear to remain on the site.

The field assessment observed no streams, washes, bodies of water, active drafts, rock outcrops, rocky areas, clay lenses on the site, nor were natural wetlands, riparian habitat, or other special status vegetation communities observed. Nine species of vertebrate wildlife were observed or detected on site, all of which are common to the region, and included two reptile species and seven bird species.

*4.2 Discussion of Impacts:*

**a) LESS THAN SIGNIFICANT IMPACT WITH MITIGATION:**

The Biological Resources Assessment prepared for the Project identified 58 special status biological resources known to occur within a five-mile radius of the subject site, of which 38 are considered absent from the subject site. These resources were determined to be absent from the site due to factors such as a lack of suitable habitat, being outside of the elevational parameters, or a lack of detection. Eight of the species potentially occurring on the Project site are fully covered and conserved by the CVMSHCP: Coachella Valley milk-vetch, Coachella giant sand treader cricket, Coachella Valley Jerusalem cricket, flat-tailed horned lizard, Coachella Valley fringe-toed lizard, burrowing owl, Palm Springs pocket mouse, and Coachella Valley round-tailed ground squirrel. With the exception of burrowing owl, potential impacts to these species would be mitigated by participation in the CVMSHCP, including through payment of the Development Mitigation Fee. Additional considerations for burrowing owl will be addressed below.

Plants: Ten special status plant species not covered by CVMSHCP have the potential to occur on the Project site: Chaparral sand-verbena, Borrego milk-vetch, pointed dodder, glandular ditaxis, California ditaxis, Abram's spurge, Arizona spurge, flat-seeded spurge, rubbed cryptantha, and slender cottonheads. None of these species were detected on-site during the field assessment, however the assessment was conducted outside of the blooming period. While there a low potential for individuals of these species to occur on the site, there is an extremely low potential for a significant population of any of the plants to occur on site. For this reason, the Biological Resources Assessment determined that potential impacts (if any) to a few individuals of any of

the ten plant species (if present) would be unlikely to cause the greater population of the species to drop to less than self-sustaining levels, and therefore impacts would be less than significant and focused plant surveys would not be needed.

Invertebrates: Crotch's bumble bee, which is a candidate species for state listing by the CDFW, is considered to have a very low potential to occur on the Project site. It is unlikely that the bumble bee would establish a hive on-site given the small and isolated nature of the subject site, and the lack of available nectar sources. If present, impacts to Crotch's bumble bee would require a CDFW incidental take permit, and potential impacts would be considered significant. To avoid potential impacts, protocol surveys must be conducted if vegetation removal and soil disturbance are to occur during the known flight season (March to July), as provided in BIO-1.

Reptiles: Desert tortoise is associated with Sonoran creosote bush scrub vegetation, which occur on the Project site. However, no tortoises or their sign, were observed on-site during the field assessment, and the small size and isolation of the site, as well as the stabilization of the on-site soils, suggests that the desert tortoise is very likely absent from the site. Focused surveys are therefore not warranted, and no impacts to desert tortoise are anticipated.

Birds: Despite the burrowing owl's coverage under the CVMSHCP, the federal take permit for the CVMSHCP does not allow take of this species under the Migratory Bird Treaty Act (MBTA), and as a result, any impact or disturbance to the owl would be considered significant under CEQA. Burrowing owl is unlikely to occur on the subject site due to the small size and isolation of the property, and no owls, sign of owls, or burrows of sufficient size were observed on the Project site during the field assessment. However, because potentially suitable habitat remains present on the subject site, a take avoidance survey must be conducted prior to construction as stated in BIO-2 to confirm that no burrowing owls occur on the site and thereby lower impacts to less than significant levels.

The MBTA covers almost all native migratory and resident bird species, including mourning dove, killdeer, and lesser nighthawk. Avoidance of impacts to nesting birds covered by the Act is a requirement of the federal permit for the CVMSHCP. As stated in BIO-3, if initial project-related disturbance cannot be conducted outside of the February 1 to August 31 nesting season, then a pre-construction nesting bird clearance survey must be conducted to prevent potential impacts.

Mammals: The pallid San Diego pocket mouse is listed as a Species of Special Concern by the CDFW. The species has a very low potential of occurring on the subject site given its small size and isolation, and the lack of suitable rocky habitat. If this species does occur on the Project site, the proposed development would be unlikely to result in a substantial reduction in the pocket mouse's suitable habitat, a drop in self-sustaining population levels, a significant change in its population levels, or a significant reduction in its geographic range. For these reasons, potential impacts to the pallid San Diego pocket mouse are considered to be less than significant, and no focused survey is required.

Summary: Overall, participation in the CVMSHCP and implementation of mitigation measures BIO-1 through BIO-3 will ensure that the Project has less than significant impacts on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.

**b) NO IMPACT:**

No natural wetlands, riparian, or other special-status vegetation communities were observed on the Project site during the field survey for the Biological Resources Assessment. The proposed

development would therefore not have any adverse effects on riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service. No impacts would occur.

**c) NO IMPACT:**

The field assessment for the Biological Resources Assessment prepared for the Project did not observe any creeks, rivers, drainages, ponds, lakes, pools, or other areas that would appear to hold water. Given that no federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) occur on-site, the proposed development would have no impact on such wetlands, including through direct removal, filling, hydrological interruption, or other means.

**d) LESS THAN SIGNIFICANT IMPACT WITH MITIGATION:**

There are no creeks, rivers, drainages, or other water bodies on the Project site, and therefore the proposed development would have no impact on the movement of native resident or migratory fish species.

The Project site is surrounded by existing residential development to the east, by Bob Hope Drive followed by existing residential development to the west, Via Marta followed by existing commercial development to the north, and Gerald Ford Drive followed by land undergoing development to the south. There are also no CVMSHCP-designated wildlife corridors or biological linkages mapped on the Project site. Given that the property is surrounded by developed and developing land, and is not a designated corridor, the proposed development is not expected to interfere substantially with the movement of native resident or migratory wildlife species or with established native resident or migratory wildlife corridors.

The site could, however, be used by native resident and/or migratory birds, including as a nursery site. While there is an absence of nesting habitat on-site for many bird species, habitat for ground nesting species is available. As previously described under impact a), coverage under the Migratory Bird Treaty Act (MBTA) will protect nesting migratory and resident birds from potential impacts. Mitigation provided in BIO-3 requires that Project-related disturbance, including grading, vegetation removal, operation of heavy equipment, and construction, must be avoided during the February 1 to August 31 nesting season, or a nesting bird clearance survey must be conducted immediately prior to any scheduled disturbance.

Implementation of BIO-3 as required by the MBTA will ensure that the proposed Project will have less than significant impacts regarding the movement of any native resident or migratory fish or wildlife species, established native resident or migratory wildlife corridors, or native wildlife nursery sites.

**e,f) NO IMPACT:**

Rancho Mirage is a signatory to the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP). The Project site is within the CVMSHCP planning area, and thus is required to pay the land development/mitigation fee, which is intended to support the assembly of preserve land for covered species and natural vegetation communities within areas with high conservation value. Payment of the fee is a standard requirement for development projects as stated Program COS 3.1D in the City's General Plan, and will mitigate potential impacts to covered species. Implementation of BIO-1 through BIO-3 will ensure that impacts to any other protected species are less than significant. The Project site is not located within or adjacent to a CVMSHCP Conservation Area, therefore additional mitigation measures are not required.

Overall, the Project will not conflict with any policies or ordinances that protect biological species, nor will it conflict with the provisions of the CVMSHCP. There would be no impacts.

*4.3 Mitigation Measures:*

**BIO-1** Crotch's bumble bee: If vegetation removal and soil disturbance associated with construction activities will occur during the known flight season for Crotch's bumble bee (March to July), then a protocol survey must be conducted. If these activities will occur outside of the bee's flight season, then the species can be avoided, and no mitigation or monitoring is necessary.

**BIO-2** Burrowing owl: A pre-construction take avoidance survey shall be conducted to confirm that no burrowing owl occur on the Project site. The pre-construction survey must follow CDFG's Staff Report for Burrowing Owls (2012), and must be conducted by a qualified biologist. Unless avoidable, all burrowing owls present must be relocated prior to any on-site ground disturbing activities. Relocation will require prior permission from CDFW, at a minimum.

**BIO-3** Nesting birds: If Project-related disturbance (i.e., grading, vegetation removal, operation of heavy equipment, construction, etc.) cannot be avoided during the nesting season (February 1 to August 31), then a nesting bird clearance survey must be conducted by a qualified ornithologist or biologist immediately prior to scheduled on-site disturbance. If nesting birds are found, no-work buffer zones of about 100 to 300 feet for unlisted songbirds and 500 feet for listed songbirds and raptors must be established and monitored until young have fledged.

*Mitigation Monitoring:*

**BIO-A** Prior to the issuance of any permit to allow ground disturbance on the site, the Project proponent shall provide the City with pre-construction surveys (when required) for Crotch's bumble bee, burrowing owl, and nesting birds covered by the MBTA.

**Responsible Parties**: Project proponent, Project biologist, Planning Department.

## 5 - Cultural Resources

| **CULTURAL RESOURCES** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5? | ☐ | ☒ | ☐ | ☐ |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? | ☐ | ☒ | ☐ | ☐ |
| c) Disturb any human remains, including those interred outside of formal cemeteries? | ☐ | ☐ | ☐ | ☒ |

**Sources:** Historical/Archaeological Resources Survey Report for AHC Skilled Nursing Facility Project prepared by CRM TECH (October 2023); City of Rancho Mirage General Plan 2017 Update.

*5.1 Setting*

The Project site is located in the Coachella Valley, an area which has historically been a center of Native American settlement. The earliest known cultural development in the broader area dates back to the Paleoindian period (ca. 8,000 to 10,000-12,000 years ago), when small groups of hunters and gatherers lived in the region. When present, Holocene Lake Cahuilla attract significant settlement along its shores. Archaeological sites, dating back to roughly 1600 and 1700 AD, during the last high stand of Lake Cahuilla, have been identified along the lake's former shoreline.

Beginning in the mid-19th century, U.S. surveyors recorded many settlements in the Coachella Valley occupied by the Cahuilla people. The Cahuilla, a Takic-speaking people, are generally categorized by anthropologists into three groups: the Pass Cahuilla of the San Gorgonio Pass-Palm Springs area, the Mountain Cahuilla of the San Jacinto and Santa Rosa Mountains and the Cahuilla Valley, and the Desert Cahuilla of the eastern Coachella Valley. Today, Native Americans of Pass or Desert Cahuilla heritage are generally affiliated with one or more reservations in and around the Coachella Valley, including the Agua Caliente, Morongo, Cabazon, Torres Martinez, and Augustine.

Non-Native American settlement in the Coachella Valley began in the 1870s following the establishment of the Southern Pacific Railroad. The first notable settlement activities in Rancho Mirage began in the 1910s to 1920s with the establishment of multiple date ranches. Rapid growth in Rancho Mirage started after World War II, lead most notably by country clubs. There are no properties in the City listed as historic resources in the California Register of Historical Resources, however numerous local architectural and historic resources are eligible for listing in the National Register of Historic Places.

The following discussion is based on the Historical and Archaeological Resources Survey Report prepared for the Project by CRM TECH (October 2023). This survey included a historical/archaeological records search, consultation with the State of California Native American Heritage Commission (NAHC), consultation with the local Agua Caliente Band of Cahuilla Indians (ACBCI), historical background research, and a field survey. The results of these research methods are described below.

*5.2 Discussion of Impacts:*

**a, b) LESS THAN SIGNIFICANT IMPACT WITH MITIGATION:**

Records Search: According to the records search conducted at the Eastern Information Center (EIC) of the California Historical Resources Information System, the Project site has not been previously surveyed for cultural resources, and no cultural resources have been recorded on or adjacent to the subject site. Twenty-two previous studies have been conducted within a one-mile scope of the Project site, including findings of one historic-period site and two isolates. However, these resources were all found more than a half-mile from the subject site, and thus would not be impacted by the proposed Project, and do not warrant further consideration.

Native American Participation: CRM TECH submitted a written request to the NAHC in June 2023 for a records search of the Sacred Lands File. The Sacred Lands File identified no Native American cultural resources in the Project vicinity. CRM TECH also contacted the nearby ACBCI for information on potential resources in the Project vicinity and to arrange for the Tribe's participation in the field survey. A representative of the ACBCI Tribal Historic Preservation Office identified the Project site as part of the tribe's Traditional Use Area, and request copies of all cultural resources documentation generated by this Project for review by the Office.

Historical Background Research: Historical background research included review of published literature, historical land survey and topographical maps, and aerial/satellite photographs. These sources reveal that Rio del Sol Road, the forerunner of present-day Bob Hope Drive, as well as the unpaved predecessor of Via Marta were both laid out by the 1950s. A few scattered buildings lined the unpaved Via Marta at this time, including a small building of unknown nature located on the northern edge of the Project site. This building was no longer extant by the 1970s. While buildout of Gerald Ford Drive from 1979 to 1996 resulted in accelerated urban growth in the surrounding area, including the development of the residential neighborhoods to the east and west of the Project site, as well as the commercial property to the north, the subject site has remained undeveloped.

Field Survey: The field survey was conducted in August 2023 by a CRM TECH archaeologist with the assistance of an ACBCI archaeological technician. The survey of the Project site found no potential historical resources, no buildings, structures, objects, sites, features, or artifacts more than 50 years old, and no remains of the building known to have existed on-site in the 1950s. The only refuse found on-site was modern in origin, and none of it demonstrates any historical or archaeological value.

Conclusion: No historical or archaeological resources, as defined by CEQA, were encountered on the subject site during the historical/archaeological resources survey conducted for the Project by CRM TECH. However, there is a potential for buried resources to be uncovered during the Project construction process. To ensure that no impacts occur to unanticipated buried cultural materials, mitigation measure CUL-1 requires that, should any such resources be encountered, work in the area shall be halted until a qualified archaeologist and evaluate the find. This will ensure that any potential impacts to historical or archaeological resources are less than significant.

**c) NO IMPACT:**

No cemeteries or human remains are known to occur on the Project site, and it is unlikely that any such remains would be uncovered during the proposed development. However, California law requires that, should human remains be uncovered during earth-moving activities, all activity must stop, the coroner must be notified, and they must evaluate the nature of the remains and whether Native American consultation would be required. Compliance with this requirement of law will ensure that the proposed Project does not disturb any human remains, including those interred outside of formal cemeteries. There will be no impacts.

*5.3 Mitigation Measures:*

**CUL-1** An approved ACBCI Native American Cultural Resource Monitor shall be on-site during pre-construction phases of the Project including all earth moving activities such as grubbing, grading, trenching, and excavation. If unanticipated cultural materials are discovered during earth-moving operations associated with the project, all work in the area shall be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

*Mitigation Monitoring:*

**CUL-A** If resources are uncovered during construction, a report of findings shall be submitted to the City, as well as the Agua Caliente Band of Cahuilla Indians and the Augustine Band of Cahuilla Indians. The report shall include an itemized inventory of the identified cultural materials, and upon completion of the field and laboratory work, an analysis of any recovered artifacts. It shall be submitted to the City and Tribes within 30 days of completion of grading activities.

**Responsible Parties:** Project applicant, Project archaeologist, Planning Department, City Engineer.

## 6 - Energy

| **ENERGY** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation? | ☐ | ☐ | ☒ | ☐ |
| b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency? | ☐ | ☐ | ☒ | ☐ |

**Sources:** California Energy Commissions, 2021 Total System Electric Generation, https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2021-total-system-electric-generation (accessed October 2023); California Code of Regulations, Title 24, Part 6 (accessed October 2023).

*6.1 Setting*

Primary sources of energy include fossil fuels (i.e., natural gas, oil, coal), nuclear energy, and renewable sources of energy such as wind, solar, geothermal, and hydro. These primary sources can be converted to electricity, a secondary source of energy. According to the California Energy Commission 2021 Total System Electric Generation, natural gas provided approximately 37.9% of the state's total electric power mix in 2021.

The City of Rancho Mirage adopted an Energy Action Plan in 2013, which provides an inventory for the City's 2010 energy usage, and establishes energy action steps that aimed to achieve 10% reductions in municipal and community-wide energy usage by 2015.

The Renewables Portfolio Standard, established by the California Energy Commission in 2002, applies increasingly stringent renewable energy procurement requirements for energy providers. In accordance with Senate Bill 100, by 2030, 60% of the state's electricity must be generated by renewable resources. Electricity will be provided to the Project site by Imperial Irrigation District. The City also offers residents the option of opting into the Rancho Mirage Energy Authority. Natural gas will be provided to the Project site by Southern California Gas (SoCalGas).

*6.2 Discussion of Impacts:*

**a,b) LESS THAN SIGNIFICANT IMPACT:**
The proposed Project would use energy resources during both construction and operations.

Construction-related energy demand would be temporary, and would primarily be for the operation of construction equipment, the manufacturing of construction materials, and worker commutes. Construction equipment and worker vehicle trips would primarily use petroleum and diesel fuels. Electricity would not be the primarily energy source used during construction, however limited amounts of electricity may be used for work site lighting, to power work site

offices, and to charge electrical tools. Both the use of petroleum and diesel, as well as the use of electricity, during construction of the Project would be temporary and minimal, and would not be wasteful or inefficient.

During operations, the Project's long term energy demand will primarily be generated by Project lighting, heating/ventilation/air condition (HVAC) systems, as well as for the operation of facility, landscape irrigation, water conveyance, and solid waste disposal. The proposed skilled nursing facility will also have an emergency generator, which will be diesel-fueled. Overall, the proposed skilled nursing facility and future medical office building will have energy demands typical of other medical uses in Rancho Mirage and the region. Both proposed buildings will be required to be constructed in accordance with the most recent California Building Code (California Code of Regulations, Title 24, Part 2), Energy Code (Title 24, Part 6), and Green Building Code (Title 24, Part 11) that are in effect at the time of development. This includes compliance with the photovoltaic requirements established in the 2022 Energy Code, as applicable. Conformity with the Title 24 regulations will ensure that the most efficient building technologies are used, thereby ensuring efficient building operations and energy consumption, and minimizing potential wasteful or unnecessary use of energy resources.

The Project will also generate demand for energy from vehicle trips associated with operation of the site. The proposed skilled nursing facility and future medical office building are estimated to generate a combined 3,204,498 vehicle miles traveled (VMT) per year, based on CalEEMod projections using trip rates for ITE land use codes 620 (Nursing Home) and 720 (Medical-Dental Office) from the 11$^{th}$ edition Trip Generation Manual. As discussed in greater detail in Section 17, Transportation, the City of Rancho Mirage's VMT policy, adopted via Resolution 2021-06, provides screening criteria for projects that are assumed to have less than significant impacts resulting from VMTs. According to these screening criteria, the proposed Project is covered by the Small Projects category, and would have less than significant impacts from its VMT generation. Vehicle fuel efficiency standards set forth by the Environmental Protection Agency and California Air Resources Board would further ensure that energy use resulting from vehicle trips is not wasteful or inefficient.

Furthermore, the energy providers serving the Project must comply with increasingly stringent renewable energy requirements, such as the Renewables Portfolio Standard which requires that 60% of electricity in California is procured from renewable sources by 2030. As a result, the Project's electricity demand will be sourced from an increasing share of renewable sources, thereby minimizing environmental impacts associated with natural gas and other non-renewable sources.

The Project will adhere to the applicable state standards enforced by IID and SoCalGas as well as the solar and energy requirements provided in the Building Code, Green Building Code, and Energy Code. Compliance with these requirements will ensure that that proposed development does not interfere with the energy conservation goals established in the City's Sustainability Plan. Impacts related to energy will therefore be less than significant.

*6.3 Mitigation Measures:* None required.

## 7 - Geology and Soils

| **GEOLOGY AND SOILS** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | ☐ | ☐ | ☐ | ☒ |
| ii) Strong seismic ground shaking? | ☐ | ☐ | ☒ | ☐ |
| iii) Seismic-related ground failure, including liquefaction? | ☐ | ☒ | ☐ | ☐ |
| iv) Landslides? | ☐ | ☐ | ☐ | ☒ |
| b) Result in substantial soil erosion or the loss of topsoil? | ☐ | ☐ | ☒ | ☐ |
| c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | ☐ | ☐ | ☒ | ☐ |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property? | ☐ | ☐ | ☐ | ☒ |
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater? | ☐ | ☐ | ☐ | ☒ |

| | | | | |
|---|---|---|---|---|
| f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | ☐ | ☐ | ☐ | ☒ |

**Sources:** Geotechnical Report prepared by Sladden Engineering (August 2023); California Earthquake Hazards Zone Application (EQ Zapp), https://maps.conservation.ca.gov/cgs/EQZApp/app/ (accessed October 2023).

*7.1 Setting*

The subject site is located within the Colorado Desert Physiographic Province. This area is also known as the Salton Trough, a northwest-southeast trending depression extending from the Guld of California northwest to the Banning Pass. Several faults, including the San Andreas Fault system, occur in the region. Other faults occurring in the region include the Burnt Mountain Fault, the Eureka Peak Fault, the San Jacinto Fault zone, and the Pinto Mountain Fault.

The Coachella Valley, in which the Project site is located, is bound by mountains. The San Jacinto and Santa Rosa Mountains bound the Valley to the southwest, the San Bernardino Mountains occur in the north, and the Little San Bernardino, Chocolate, and Orocopia Mountains bound the Valley to the east.

The on-site terrain is comprised of the undulating surface consistent with the sand deposits located throughout much of the Coachella Valley. The site is at an elevation of approximately 300 feet above mean sea level, and is underlain by undifferentiated Quaternary-age dune sand (Qs).

A Geotechnical Report was prepared for the Project by Sladden Engineering (August 2023). Exploratory borings conducted during the geotechnical investigation to a maximum explored depth of 51 feet found native aeolian sand and no groundwater. According to the California Department of Water Resources database, groundwater in this area is at least 150 feet below ground surface.

*7.2 Discussion of Impacts:*

**a)**

**i) No Impact**. Fault rupture occurs when movement in a deep fault in the earth breaks through to the surface. According to the California Earthquake Hazards Zone Application (EQ Zapp) and the Geotechnical Report prepared for the Project, the subject site is not located within either a State or County designated fault zone. The nearest Alquist-Priolo fault zone to the Project site is the San Andreas Fault Zone, located approximately 4.1 miles from the property. The proposed Project is therefore at a low risk of loss, injury, or death due to surface ground rupture associated with a known fault zone, and no impacts are expected to occur.

**ii) Less Than Significant Impact**. The Coachella Valley is a seismically active region, with active and potentially active local and regional faults capable of producing severe ground shaking. According to the Geotechnical Report prepared for the Project, the site is located in an area at risk of moderate to severe seismic shaking, and has been subject to ground shaking in the past.

The modified peak ground acceleration is estimate to be 0.859 g on-site. The proposed skilled nursing facility and future medical office building will be required to conform to the most recent California Building Code (CBC), which provides collapse-resistant design standards. These standards are intended to minimize potential damage to buildings, reducing potential impacts to life and property in the event of severe groundshaking. Compliance with

the requirements of the CBC will ensure that the Project has a low risk of loss, injury, or death due to seismic ground shaking, and impacts will be less than significant.

**iii) Less Than Significant Impact With Mitigation**. Liquefaction occurs when earthquake-induced ground shaking causes movement of soil particles to result in a liquified soil/water mix being formed and pushed to the surface. Soils are subject to a liquefaction hazard when three conditions occur: the soils are loose and therefore susceptible, the groundwater is at a depth of less than 50 feet, and strong seismic shaking occurs. Given that the historic groundwater depth in the area is more than 150 feet below the ground surface, the Geotechnical Report assessed the liquefaction risk on-site as "negligible".

Loose granular sands can be prone to settlement during seismic shaking, which can damage structures and infrastructure. Given the sandy soils on-site and risk of strong seismic shaking, the Project site is subject to a significant seismic settlement hazard. The Geotechnical Report calculated the potential seismic settlement that could occur based on the Project's foundation loads, and found a potential impact associated with settlement. To mitigate potential impacts from settlement, remedial grading under proposed buildings as provided in Mitigation Measure GEO-1 is recommended. Adherence to the recommendations provided in the Geotechnical Report will ensure that the Project does not create a substantial risk of loss, injury, or death due to seismic settlement, and impacts would be reduced to less than significant levels.

**iv) No Impact**. The Project area has relatively flat topography. The subject site is located on the floor of the Coachella Valley, and is not adjacent to any slopes or hillsides. The risk of loss, injury, or death due slope instability, including landslides, is negligible, and no impacts are expected to occur.

**b) LESS THAN SIGNIFICANT IMPACT:**

Most of Rancho Mirage, including the Project site, is highly susceptible to wind erosion. This is due to the strong winds and extreme aridity that characterize the area. The City's General Plan Safety Element classifies the area surrounding the subject site as being subject to a very severe wind erosion hazard. Development of the site, including construction of buildings and addition of landscaping, will minimize wind erosion on the subject property in the long-term. However, disturbance of the top soil during grading and construction activities could exacerbate erosion short-term. The South Coast Air Quality Management District (SCAQMD) rules include requirements to control erosion. SCAQMD Rule 403.1 requires the preparation and implementation of a fugitive dust control plan for all construction projects in the Coachella Valley.

The site also will have the potential for erosion from storm water during construction. Please see Section 10, Hydrology and Water Resources, for the analysis of erosion risks associated with storm water.

The City's Municipal Code and grading permit regulations also include requirements to ensure that developments in Rancho Mirage do not generate excessive soil erosion. Compliance with these standard mandatory requirements will ensure that the proposed Project would not result in substantial soil erosion or the loss of topsoil, and that impacts are less than significant.

**c) LESS THAN SIGNIFICANT IMPACT:**

Topography in the Project area is relatively flat, and is not at risk of landslide. As addressed under impact a) iii) above, the groundwater is more than 150 feet below ground surface in the Project area, and therefore risks associated with liquefaction are low. According to the Geotechnical Report prepared for the Project, Riverside County classifies the Project area as a subsidence

"susceptible" zone, however this susceptibility is regional in nature, and would require regional-scaled mitigation. Overall, the Geotechnical Report prepared for the Project determined that the proposed development would be feasible based on the geological conditions on-site. Adherence to the recommendations provided in the report, including remedial grading, would ensure that the site would not become unstable as a result of the Project. Impacts would be less than significant.

**d) NO IMPACT:**
The Geotechnical Report included soil Expansion Index testing to evaluate the expansion potential of the underlying materials on-site. This testing determined that the materials underlying the Project site have a "very low" expansion potential. Therefore, the Project would not create a substantial risk to life or property, and no impacts are anticipated.

**e) NO IMPACT:**
The Project will connect to the Coachella Valley Water District sewer system via the existing 8 inch line in Via Marta. The proposed development will not involve septic tanks or alternative wastewater disposal. There will be no impact.

**f) NO IMPACT:**
The Project site is not known to contain unique paleontological resources, and does not contain unique geological features that would be impacted by the proposed Project. Given that on-site soils consist of recently deposited alluvial sand, it is unlikely that paleontological resources occur on the site. Paleontological resources are not expected to occur on the subject property and would thus not be destroyed by the Project. There will be no impacts.

*7.3 Mitigation Measures:*

**GEO-1** Remedial Grading: Remedial grading shall be conducted under building areas. Excavation and recompaction within the building envelope shall extend laterally for 10 feet beyond the building limits and to a minimum depth of eight to ten feet below the existing grade. All other recommendations provided in the Geotechnical Report prepared for the Project shall be implemented.

*Monitoring:*

**GEO-A** Prior to the issuance of any permit to allow ground disturbance on the subject site, the Project proponent shall provide the City with final geotechnical reports.
**Responsible parties:** Project proponent, Project engineer, Planning Department, City engineer.

## 8 – Greenhouse Gas Emissions

| **GREENHOUSE EMISSIONS** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? | ☐ | ☐ | ☒ | ☐ |
| b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | ☐ | ☐ | ☐ | ☒ |

**Sources:** Rancho Mirage Sustainability Plan (March 2013); Rancho Mirage Greenhouse Gas Inventory (September 2012); California Air Resources Board 2022 Scoping Plan for Achieving Carbon Neutrality (November 2022); CalEEMod Version 2022.1.1.21.

*8.1 Setting*

Greenhouse gases (GHGs) are gases that absorb infrared radiation in the atmosphere. As heat radiates towards space from the earth's surface, GHGs absorb the heat and re-radiate it back toward earth's surface. This effect, known as the greenhouse effect, has intensified as the GHG emissions from human activity have increased. The California Air Resources Board is required to monitor and regulate seven GHGs: carbon dioxide ($CO_2$), methane ($CH_4$), nitrous oxide ($NO_x$), sulfur hexafluoride ($SF_6$), nitrogen trifluoride ($NF_3$), perfluorocarbons (PFCs), and hydrofluorocarbons (HFCs). In order to measure and compare various greenhouse gases, metric tons of carbon dioxide equivalent ($MTCO_2e$) is a standard unit of measure.

Assembly Bill (AB) 32 required the state to adopt regulations to reduce its GHG emissions to 1990 levels by 2020. Senate Bill (SB) 32 followed up on AB 32, requiring California to adopt regulations to further reduce GHG emissions to 40% of 1990 levels by 2030. AB 32 and SB 32 are implemented through the California Air Resources Board (CARB), which develops and regularly updates the Scoping Plan to ensure that these emissions reduction targets are met. The 2022 Scoping Plan provides measures to continue progress towards meeting 40% of 1990 GHG levels by 2030 and establishes the goal for California to be carbon neutral by 2045.

The City of Rancho Mirage completed its Sustainability Plan in 2013 with the aim of guiding municipal and community-wide actions to reduce local greenhouse gas emissions. The Sustainability Plan provides a framework of policies and programs to reduce the City's emissions, which are tracked via the City's Greenhouse Gas Inventory. In 2010, Rancho Mirage was over its 1990 baseline emissions level (220,061 tons) by 57,637 metric tons of $CO_2e$. To achieve the AB 32 emissions reduction target by 2020, the City needed to reduce GHG emissions by 19.8% or 54,727 tons from the business-as-usual estimate. According to the Greenhouse Gas Inventory, community-wide emissions totaled 277,698 MTCO2e in 2010, equivalent to 16.1 tons per capita.

GHG Thresholds

On December 5, 2008, the SCAQMD formally adopted a greenhouse gas significance threshold of 10,000 MTCO2e/yr that only applies to industrial uses' stationary sources where SCAQMD is the lead agency (SCAQMD Resolution No. 08-35). This threshold was adopted based upon an October 2008 staff report and draft interim guidance document that also recommended a threshold for all projects using a tiered approach.

It was recommended by SCAQMD staff that a project's greenhouse gas emissions would be considered significant if it could not comply with at least one of the following "tiered" tests:

- Tier 1: Is there an applicable exemption?
- Tier 2: Is the project compliant with a greenhouse gas reduction plan that is, at a minimum, consistent with the goals of AB 32?
- Tier 3: Is the project below an absolute threshold (10,000 MTCO2e/year for industrial projects; 3,000 MTCO2e/year for residential and commercial projects)?
- Tier 4: Is the project below a (yet to be set) performance threshold?
- Tier 5: Would the project achieve a screening level with off-site mitigation?

*8.2 Discussion of Impacts:*

**a) LESS THAN SIGNIFICANT IMPACT:**

As described in Section 2.3, Air Quality, the California Emissions Estimate (CalEEMod) Version 2022.1.1.21 was used to project the Project's potential air quality and greenhouse gas emissions (see CalEEMod output tables in Appendix A). According to this modeling, the Project would result in greenhouse gas (GHG) emissions during the construction phase and during operations.

Construction

Construction of the proposed Project is expected to occur in two phases. However, as described in Section 2.3, for analysis purposes, full buildout of the proposed skilled nursing facility and medical office building is assumed to occur over 1.5 years, beginning in 2024. Construction activities will result in emissions associated with the operation of construction equipment, employee commutes, material hauling, and ground disturbing activities. These GHG emissions would be short term, and would stop being generated once Project construction is complete. As shown in Table 4, 568 metric tons of carbon dioxide equivalent (MT CO2e) are estimated to result from the 1.5-year construction phase.

There are currently no emission thresholds for construction-related GHG emissions from projects of this nature. In order to determine if the Project's construction emissions would result in a cumulatively considerable impact, construction GHG emissions were amortized over a 30-year period and added to annual operational emissions, to be compared with the applicable SCAQMD threshold.

Operations

The Project will result in seven categories of operational GHG emissions: area emissions (pavement and architectural coating off-gassing), energy emissions (electricity and natural gas usage), mobile emissions (vehicle trips), emissions associated with solid waste and water use, refrigerant emissions, and emissions from diesel-fueled emergency generators.

The proposed skilled nursing facility will be equipped with an emergency generator. For the purpose of analysis, it is assumed that the emergency generator will be an approximately 400 kw diesel fueled generator. As described in Section 2.3, the proposed skilled nursing facility and future medical office building are estimated to generate a combined 3,204,280 vehicle miles traveled (VMT) per year.

Table 4 shows the projected GHG emissions expected to be generated from the Project per year, including operational emissions and the amortized construction emissions.

**Table 4**
**Projected GHG Emissions Summary**

| **Phase** | **CO2e (MT/YR)** |
|---|---|
| **Construction** | |
| 2024 | 189 |
| 2025 | 379 |
| **Construction subtotal** | **568** |
| **Operations** | |
| Area | 0.75 |
| Energy | 440 |
| Mobile | 1,195 |
| Waste | 75.6 |
| Water | 12.8 |
| Refrigerants | 0.05 |
| Stationary (Emerg. Generator) | 20.5 |
| Construction: 30-year amortized | 18.93 |
| **Total Operational** | **1,762.93** |
| **SCAQMD Threshold:** | **3,000.00** |
| **Exceeds?** | **No** |

Source: CalEEMod Version 2022.1.1.21

According to SCAQMD's recommended Tier 3 threshold, a project would have less than significant impacts if annual emissions are below the absolute thresholds of 10,000 MTCO2e/year for industrial projects or 3,000 MTCO2e/year for residential and commercial projects. As shown in the above table, the Project's total annual emissions of approximately 1,763 MTCO2e does not exceed the SCAQMD threshold of 3,000 MTCO2e for residential and commercial developments. It can therefore be concluded that the Project emissions would not be cumulatively considerable, and that impacts resulting from GHG emissions would be less than significant.

**b) NO IMPACT:**

SCAQMD adopted its greenhouse gas significance threshold and tiered tests in response to the adoption of AB 32. As discussed above, under Impact a), the Project is estimated to generate 1,763 MTCO2e per year, which does not exceed the SCAQMD threshold of 3,000 MTCO2e per year for commercial and residential projects. The proposed development would therefore not conflict with the state GHG emissions reduction targets or the SCAQMD thresholds.

The City of Rancho Mirage adopted its Sustainability Plan and Greenhouse Gas Inventory in 2013. In order to comply with AB 32, the Sustainability Plan put forth a community emissions reduction target of 54,272 MTCO2e per year by 2020, and a set of 82 emissions reductions measures by which to meet that target. The City's Sustainability Plan is ten years old, and as a

result, many of the measures provided in the plan are requirements of the most recent (2022) Title 24 Building Code, Energy Code, and Green Building Standards. The Project's compliance with applicable measures is summarized in Table 5, below.

**Table 5**
**Project Consistency with**
**Rancho Mirage Sustainability Plan Savings Measures**

| Measure | Consistency |
|---|---|
| BUILD-1: Program to support existing shade standard through the promotion of parking lot coverings and semi permeable surfaces for new construction to achieve 20% of existing parking lots and 80% of new parking lots. | Consistent: The Project will provide 12,432 square feet of parking lot landscaped area, including shade trees and carports. |
| BUILD-3: Promote the Savings by Design Program from SCE for new commercial buildings. | Consistent: The Project will meet all requirements of the Title 24, Part 6 Energy Efficiency requirements, upon which the Savings by Design Program was based. |
| BUILD-5: Promote the Voluntary Green Building Program to prepare for enhanced Title 24 requirements and green building standards. | Consistent: The Project will comply with the 2022 Title 24 requirements, including applicable measures in the California Green Building Standards Code. |
| MOBILE-4: Foster public/private partnerships to promote EV charging stations with public access. | Consistent: The Project will provide on-site EV charging stations consistent with the requirements of Section 5.106.5 of Part 11 of Title 24. |

Source: Rancho Mirage Sustainability Plan (March 2023).

As shown in the table above, compliance with the most recent Title 24 requirements will ensure that the proposed Project is consistent with the City's 2013 Sustainability Plan.

Furthermore, according to the City's Greenhouse Gas Inventory, 43.18% of community emissions in Rancho Mirage are from electricity. The increasingly stringent requirements of the Renewable Portfolio Standard will ensure electricity provided to the Project by Imperial Irrigation District is increasingly from renewable sources, thereby reducing the GHG emissions associated with the Project's electricity use. Additionally, in accordance with Section 140.10 of the 2022 Title 24 requirements, the proposed future medical office building will be required to install a photovoltaic system, which will reduce the amount of energy that the Project will require from the grid, further reducing associated GHG emissions.

Overall, the Project's projected GHG emissions will not exceed the SCAQMD threshold, and the proposed development incorporates the savings measures provided in the City's Sustainability Plan. Therefore, it can be concluded that the Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases, and no impact would occur as a result.

*8.3 Mitigation Measures:* None required.

## 9 - Hazards and Hazardous Materials

| **HAZARDS AND HAZARDOUS MATERIALS** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? | ☐ | ☐ | ☒ | ☐ |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | ☐ | ☐ | ☒ | ☐ |
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? | ☐ | ☐ | ☐ | ☒ |
| d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | ☐ | ☐ | ☐ | ☒ |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area? | ☐ | ☐ | ☐ | ☒ |
| f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? | ☐ | ☐ | ☒ | ☐ |
| g) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands? | ☐ | ☐ | ☐ | ☒ |

**Sources:** City of Rancho Mirage General Plan 2017 Update; Department of Toxic Substances Control, EnviroStor https://www.envirostor.dtsc.ca.gov/ (accessed October 2023); State Water Resources Control Board, GeoTracker https://geotracker.waterboards.ca.gov/ (accessed October 2023).

*9.1 Setting*

Hazardous waste generation in Rancho Mirage is overseen by the Riverside County Environmental Health Hazardous Materials Branch. This organization is also the designated CUPA (Certified Unified Program Agency). The City is responsible for coordinating with the appropriate agencies for the identification and timely cleanup of hazardous materials sites in Rancho Mirage.

There are few hazardous/toxic materials generators in Rancho Mirage, and all that do exist are considered "small quantity generators". Medical facilities in the city, including the Eisenhower Medical Center, are considered small quantity generators of hazardous materials due to medical waste associated with various treatments provided at the facility. The proper management and disposal of these materials is overseen by U.S. Environmental Protection Agency, as well as the California Office of health Planning and Development and the Riverside County Department of Health.

The Project site is surrounded by residential developments to the east and west, and medical offices to the north. The site is currently vacant, and no hazardous waste disposal, underground tanks, or buried materials are documented as occurring on the property.

9.2 Discussion of Impacts*:*

**a,b) LESS THAN SIGNIFICANT IMPACT:**

Construction of the proposed Project would involve the operation of heavy equipment and vehicles, which involve the use of limited quantities of oil and fuels, which are potentially flammable. The potential need for refueling or minor maintenance during construction could result in fuel or oil spills. The contractor will be required to identify a staging area for storing materials and will be subject to all applicable laws regarding the handling, storage, and use of hazardous materials during construction.

The proposed skilled nursing facility and future medical office building would result in the generation of medical waste. Medical waste must be stored and collected in regulated containers, and transported to approved disposal sites. The handling, storage, and disposal of such materials will occur in accordance with applicable federal, state, and local laws, including requirements from the California Occupational Health and Safety Administration (CalOSHA).

Operation of the Project could also involve the routine transport, use, and storage of cleaning products for use in the skilled nursing facility and medical offices, as well as chemical products for landscaping. None of these products would be used or stored in quantities that would pose a foreseeable threat to humans, and will be stored in accordance with the product's labels to prevent a chemical release into the environment.

Overall, compliance with applicable laws and regulations pertaining to hazardous materials during construction and operation of the Project will ensure significant hazard to the public or the environment do not occur through the routine transport, use, or disposal of hazardous materials, or as a result of reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. Impacts will be less than significant.

**c) NO IMPACT:**

The nearest schools to the subject site are the SBB College Campus located approximately 1.10 miles northeast of the Project, Della S. Lindley Elementary School located 2.3 miles north of the Project, Nellie N Coffman Middle School located 2.6 miles west of the Project, and Palm Valley

School, located 2.1 miles west of the Project. There are no existing or proposed schools within a quarter mile of the subject site. The proposed development would therefore not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within a quarter mile of an existing or proposed school, and no impacts would occur.

**d) NO IMPACT:**

According to the California Department of Toxic Substances Control EnviroStor database and the State Water Resources Control Board GeoTracker database, the Project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, nor are any hazardous materials site located within half of a mile of the subject site. Therefore, the proposed Project would not create a significant hazard to the public or to the environment as a result of hazardous materials sites. No impacts will occur.

**e) NO IMPACT:**

The two nearest airports to the Project site are the Palm Springs International Airport, and Bermuda Dunes Airport, both of which are located more than 5 miles away from the subject site. The Project site is not within the boundaries of an airport land use plan for either airport. Therefore, the project would not result in an airport-related safety hazard for people residing or working in the project area, and there would be no impacts.

**f) LESS THAN SIGNIFICANT IMPACT:**

The City of Rancho Mirage maintains a Local Hazard Mitigation Plan (LHMP), which is updated every 5 years, including the most recent update in 2017. The City also participates in the County of Riverside Multi-Jurisdictional Local Hazard Mitigation Plan (MJLHMP), which was updated in 2023. The two main evacuation routes in the City are I-10 and Highway 111. Arterial roads in the City serve as additional evacuation routes, potentially including Bob Hope Drive and Gerald Ford Drive, which bound the Project site.

If development of the proposed Project is to require temporary lane closures or detours, a Construction Traffic Control Plan would be prepared. Emergency access will be maintained throughout Project construction and operations, and at buildout, primary access will be provided from Via Marta, with a secondary entry/exit on Gerald Ford Drive. The Project will be required to comply with applicable Fire Department and Sheriff's Department regulations to ensure adequate emergency access and emergency vehicle turnaround space. Compliance with these requirements will ensure that the Project will not impair the implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan, and impacts would be less than significant.

**g) NO IMPACT:**

As described in Section 20, Wildfires, the Project site is not located in an urban area near wildlands or in an area where residences are intermixed with wildlands. The Project site is in an urbanized area in Rancho Mirage, and is surrounded by existing and ongoing developments. The Project area is not a state responsibility area, it is not designated as a moderate, high, or very fire severity zone. The Project will not expose people or structures to a significant risk associated with wildland fires, and no impacts are expected to occur.

*9.3 Mitigation Measures:* None required.

**10 - Hydrology and Water Quality**

| **HYDROLOGY AND WATER QUALITY** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Violate any water quality standards or waste discharge requirements? | ☐ | ☐ | ☒ | ☐ |
| b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? | ☐ | ☐ | ☒ | ☐ |
| c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:<br>i) Result in substantial erosion or siltation on- or off-site? | ☐ | ☐ | ☒ | ☐ |
| ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite? | ☐ | ☐ | ☒ | ☐ |
| iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff? | ☐ | ☐ | ☒ | ☐ |
| iv) Impede or redirect flood flows? | ☐ | ☐ | ☒ | ☐ |
| d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation? | ☐ | ☐ | ☐ | ☒ |
| e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? | ☐ | ☐ | ☐ | ☒ |

**Sources:** Preliminary Water Quality Management Plan for Skilled Nursing Facility, prepared by Michael Baker International (October 2023); Skilled Nursing Facility Preliminary Hydrology Study, prepared by Michael Baker International (October 2023); City of Rancho Mirage General Plan 2017 Update;

Geotechnical Report prepared by Sladden Engineering (August 2023); 2020 Coachella Valley Regional Urban Water Management Plan (June 2021); Coachella Valley Water District, Landscape Ordinance 1302.5, Appendix D and C; Water Supply Assessment for the Kaiser Permanente Los Angeles Medical Center Project Water Supply Assessment (December 2018), https://files.ceqanet.opr.ca.gov/177816-2/attachment/YlWklMKNrMw9MZyaktcciBSpuwtSgWewvjfLUHrDdvCwF_aktmyimJa-IC6xdIGEDbSRh_PCN-Ht9NWL0 (accessed October 2023).

*10.1 Setting*

Domestic Water

Groundwater is the primary water source in the Coachella Valley. The Project site is located in the service area for the Coachella Valley Water District (CVWD), which sources most of its water supply from the Whitewater River Subbasin (also known as the Indio subbasin) and the Mission Creek Subbasin. CVWD also uses imported water to recharge the groundwater at three facilities: the Whitewater River Groundwater Recharge Facility (GRF), the Thomas A. Levy GRF, and the Palm Desert GRF. CVWD also operates five water reclamation plants (WRPs), two of which generate recycled water which is used for landscape irrigation. In 2020, CVWD's actual water supply was 109,300 acre-feet, of which approximately 91% was sourced from groundwater, while the remainder was recycled water.

Flood Control

In Rancho Mirage, the 100-year flood zone is generally limited to the Coachella Valley Storm Channel/Whitewater River and its tributaries. However, much of the city is covered by the 500-year flood plain, particularly areas located south of Gerald Ford Drive. The Project site, which is currently vacant, is located outside of both the 100- and 500-year floodplains. On-site runoff currently flows to the south to Gerald Ford Drive.

The City, in conjunction with Riverside County Flood Control and CVWD, participates in the National Pollution Discharge Elimination System (NPDES).

*10.2 Discussion of Impacts:*

**a) LESS THAN SIGNIFICANT IMPACT:**

The Project is located in the Whitewater River watershed, and is thus required to comply with the Regional Water Quality Control Board (RWQCB) and National Pollution Discharge Elimination System (NPDES) regulations. A Water Quality Management Plan (WQMP) was prepared for the Project by Michael Baker International (October 2023). According to the WQMP, the proposed development would be expected to generate waste typical of commercial land uses, and is not expected to involve hazardous solid waste, outdoor material storage areas, or other activities that warrant special site design, source control, or treatment measures.

As described under Impact c), below, the proposed development will provide sufficient stormwater retention capacity on-site to retain the worst-case 100-year storm, thereby ensuring that the Project does not produce runoff or pollutants that could impact off-site or downstream water quality. The WQMP includes best management practices (BMPs) that will be implemented by the Project to prevent runoff contaminated with pollutants of concern. Implementation of these BMPs will ensure that the Project does not violate any water quality standards or waste discharge requirements, and that impacts would be less than significant.

**b) LESS THAN SIGNIFICANT IMPACT:**

The proposed Project would use water during construction and operations. Water demand for construction would be temporary and limited, and would be primarily used for dust control purposes.

During operations, water would be used for the skilled nursing facility, future medical office building, and for landscape irrigation. Table 6 shows the Project's estimated water demand in gallons per day (gpd) and acre-feet per year (AFY). Water demand factors for the Project's indoor water uses are based on water use factors used in the Water Supply Assessment for similar hospital and medical office building uses. Landscape water consumption was calculated based on factors provided in CVWD Landscape Ordinance 1302.5. The proposed landscaping will feature drought-tolerant plant species and an efficient drip irrigation system.

**Table 6**
**Project Water Demand**

| Proposed Land Use | Unit | Water Consumption Factor | Water Demand (gpd) | Total Water Demand (AFY) |
|---|---|---|---|---|
| Skilled Nursing Facility[1] | 46 beds | 70 gpd/bed | 3,220.00 | 3.61 |
| Medical Office Building[1] | 10,000 sf | 0.25 gpd/sf | 2,500.00 | 2.80 |
| Landscaping[2] | 12,432 sf | 83.34 ETo x 0.45 ETAF x 0.00169 gpd/sf | 791.97 | 0.89 |
| Parking | 33,977 sf | -- | 0 | 0 |
| **TOTAL:** | | | **6,511.97** | **7.29** |

[1]Skilled Nursing Facility and Medical Office Building water demand factors based on factors used for Kaiser Permanente Los Angeles Medical Center Project Water Supply Assessment (December 2018), Table I-B.
[2] Reference Evapotranspiration (ETo), Evapotranspiration Adjustment Factor (ETAF), and Conversion Factor per CVWD Landscape Ordinance 1302.5, Appendix D and C.

As shown in the above table, the Project is estimated to generate demand for approximately 6,512 gallons per day or 7.29 acre-feet per year. According to the 2020 Coachella Valley Regional Urban Water Management Plan (UWMP), CVWD's water supply is projected to be 137,061 AFY in 2025, increasing to 164,966 AFY by 2045. Approximately 90% of this water would be supplied from groundwater, and the remaining portion would be supplied from recycled water. The Project's projected water demand of 7.29 AFY would represent 0.005% of the 2025 supply or 0.004% of the 2045 supply. Further, the Project is consistent with the City's land use plan, on which, in part, CVWD bases long range water demand planning. Therefore, given that the Project will only use a limited amount of water during long-term operations, and that proposed landscaping will feature water-efficient plants and irrigation methods, it can be concluded that the proposed development would not substantially decrease water supplies to interfere substantially with groundwater recharge. Impacts would be less than significant.

**c)**
**i-iv) LESS THAN SIGNIFICANT IMPACT:**

According to Section 13.05.010 of the Rancho Mirage Municipal Code, the Project is required to retain 100% of the worst-case duration of the 100-year storm event on-site. A Preliminary Hydrology Study was prepared for the Project by Michael Baker International (October 2023). According to the Preliminary Hydrology Study, the 100-year, 6-hour storm is the worst-case storm event. In order to meet the on-site storage requirements, the Project proposes a system of above

ground infiltrations basins and an underground storage chamber with a capacity of 3,725.06 cubic feet. This system will retain the full volume of the worst-case 100-year storm event, ensuring that no negative off-site impacts will occur from Project runoff. The City will also require the implementation of NPDES standards, which require that construction and long term best management practices be established to prevent siltation, pollution and debris from entering storm flows. The Project will be subject to these requirements, including the preparation of a Stormwater Pollution Prevention Plan (SWPP).

The proposed development would therefore not result in substantial erosion or siltation, and it would not result in substantial increases in runoff in a manner which could result in flooding that would exceed the capacity of stormwater drainage systems, that would result in polluted runoff, or that would impede or redirect flood flows. Impacts would be less than significant.

**d) NO IMPACT:**
The Project site is located inland and at a substantial distance from any impounded bodies of water, and therefore has little to no risk of tsunamis or seiche. The FEMA flood insurance rate map (FIRM) for the Project vicinity classifies the area as outside of the 0.2% annual chance floodplain (Zone X). Given that there is a low to no risk of flooding, tsunami, or seiche in the Project area, no impact will occur.

**e) NO IMPACT:**
As described in the Preliminary Hydrology Study prepared for the Project, the proposed development will provide sufficient on-site retention for 100% of the volume of the worst-case 100-year storm, thereby preventing stormwater runoff from the subject site. In addition to retaining all urban runoff on-site, implementation of the BMPs provided in the Project-specific SWPPP and WQMP will mitigate any potential impacts associated with pollutants of concern.

Implementation of these measures, as well as all standard City, RWQCB, and NPDES requirements will ensure that the proposed Project will not conflict with or obstruct implementation of a water quality control plan. As shown in Table 6, above, the proposed Project will generate limited long-term water demand, and compliance with CVWD water conservation regulations will ensure that the proposed development will not conflict with or obstruct applicable sustainable groundwater management plans. There will be no impact.

*10.3 Mitigation Measures:* None required.

## 11 - Land Use and Planning

| **LAND USE AND URBAN PLANNING** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Physically divide an established community? | ☐ | ☐ | ☐ | ☒ |
| b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? | ☐ | ☐ | ☐ | ☒ |

**Sources:** City of Rancho Mirage General Plan 2017 Update; City of Rancho Mirage Municipal Code.

*11.1 Setting*

The subject site is currently vacant and undeveloped. Lands to the east and west of the site are developed with residential uses, and the property to the north is occupied by medical offices. The land south of the Project site is currently being developed.

The Project site is designated and zoned as Commercial Office (O), which has a maximum lot coverage of 35%, and is intended for professional uses including administrative, corporate, institutional, law, medical, financial, insurance, real estate, and government offices.

*11.2 Discussion of Impacts:*

**a) NO IMPACT:**
The Project site is currently vacant. The surrounding area is developed with residential and commercial office uses to the east, north, and west, and the site to the south of the Project site is currently being developed. The developments surrounding the Project site operate independently of the subject property, and will not be physically divided by the proposed development. There would be no impact.

**b) NO IMPACT:**
The Project will conform to the land use policies and regulations provided in the City's General Plan and Municipal Code. The proposed skilled nursing facility and medical offices are permitted uses, with a Developed Permit, in the Commercial Office (O) designation and zone. The proposed 42,526 square foot nursing facility and future development of a medical office building of up to 10,000 square feet will have a site coverage of 22.3%, consistent with the maximum site coverage of 35% for the Commercial Office designation and zone.

Overall, the Project would not conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect, and thus would have no resulting impacts on the environment.

*11.3 Mitigation Measures:* None required.

## 12 - Mineral Resources

| **MINERAL RESOURCES** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | ☐ | ☐ | ☐ | ☒ |
| b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | ☐ | ☐ | ☐ | ☒ |

**Sources:** City of Rancho Mirage General Plan 2017 Update; California Geological Survey Updated Mineral Land Classification Map for Portland Cement Concrete-Grade Aggregate in the Palm Springs Production-Consumption (P-C) Region, Riverside County, California (2007); County of Riverside General Plan (2015), Figure OS-6.

*12.1 Setting*

Mineral resources in Rancho Mirage and the surrounding area are generally limited to aggregates such as sands and gravel. Aggregates are an essential component of common construction materials such as concrete, plaster, stucco, and road base.

According to maps from the California Geological Survey, most of Rancho Mirage, including the Project site, are classified as Mineral Resource Zone 1(MRZ-1), which applies to areas where available geologic information indicates little likelihood for the presence of significant mineral resources. There are no mines or extraction sites in the City.

*12.2 Discussion of Impacts:*

**a,b) NO IMPACT:**
The Project site is located in an area classified as having a low likelihood of containing significant mineral resources. Development on the site would thus not result in the loss of availability of a known mineral resources that would be of value to the region and its residents. Given that there are no mines or mineral extraction sites in the City of Rancho Mirage, the proposed development would not result in the loss of availability of a mineral resource recovery site. Overall, the Project would have no impact on mineral resources.

*12.3 Mitigation Measures:* None required.

## 13 - Noise

| **NOISE** – Would the project result in: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? | ☐ | ☐ | ☒ | ☐ |
| b) Generation of excessive groundborne vibration or groundborne noise levels? | ☐ | ☐ | ☒ | ☐ |
| c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? | ☐ | ☐ | ☐ | ☒ |

**Sources:** City of Rancho Mirage General Plan 2017 Update; City of Rancho Mirage Municipal Code; AHC-Skilled Nursing Facility Noise and Vibration Analysis prepared by Urban Crossroads (August 2023).

### *13.1 Setting*

*Noise*

Noise is generally defined as unwanted sound. Not only can excessive noise be a nuisance, but it can also result in adverse health impacts. Noise is typically measured in decibel units (dB). Each interval of 10 decibels is perceived by the human ear as being approximately twice as loud. Noise increases of less than 3 dBA are not noticeable to most people.

Environmental noise levels generally range from 40 dBA (very quiet) to 100 dBA (very loud). In most of the Coachella Valley, including Rancho Mirage, motor vehicle traffic is the primary source of noise. Intermittent aircraft traffic, as well stationary noise sources such as mechanical refrigeration and HVAC units, also contribute to environmental noise levels in Rancho Mirage.

Section 8.45 of the City's Municipal Code provides noise regulations based on time-of-day, with the intention of managing to location of future noise generating land uses relative to sensitive land uses. Noise sensitive land uses include residences, schools, hospitals, churches, and other land uses that may be more sensitive to noise intrusion than commercial or industrial developments. Table 7 shows the exterior noise level standard by land use, as provided in the City's Noise Ordinance.

| Table 7<br>Exterior Noise Level Limits | | |
|---|---|---|
| **Land Use** | **Time of Day** | **Noise Level (dBA)** |
| Residential, Low Density | 7:00 a.m. to 6:00 p.m.<br>6:00 p.m. to 10:00 p.m.<br>10:00 p.m. to 7:00 a.m. | 55<br>50<br>45 |
| Residential, Medium and High Density; Hospital; Open Space | 7:00 a.m. to 6:00 p.m.<br>6:00 p.m. to 10:00 p.m.<br>10:00 p.m. to 7:00 a.m. | 60<br>55<br>50 |
| Commercial Office; Resort Commercial; Mixed Use; Institutional | 7:00 a.m. to 6:00 p.m.<br>6:00 p.m. to 10:00 p.m.<br>10:00 p.m. to 7:00 a.m. | 65<br>60<br>55 |
| Commercial Neighborhood; General Commercial; Commercial Recreation; Light Industrial | 7:00 a.m. to 6:00 p.m.<br>6:00 p.m. to 10:00 p.m.<br>10:00 p.m. to 7:00 a.m. | 70<br>65<br>60 |
| Source: Rancho Mirage Municipal Code Section 8.45.030, Table A-1 | | |

According to Section 8.45.050 of the Municipal Code, construction activities are exempt from the exterior noise level limits set forth in the above table, provided these activities occur within the allowable hours. Construction activity is prohibited on Sundays and Holidays (New Years Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, Christmas Day). Work hours are 7 a.m. to 7 p.m., Monday – Saturday.(Section 15.04.030 (A)(7) of the Municipal Code).

In addition, the City implements the Community Noise Equivalent Level (CNEL) in the Noise Element of the General Plan, and considers noise levels of 55 to 70 dBA CNEL conditionally acceptable for sensitive receptors, including the proposed SNF component of the Project, and the residential units immediately east of the site.

In order to develop an accurate representation of noise levels resulting from the Project, the noise analysis including the monitoring of existing noise levels at four locations, as shown in Exhibit 9. The locations were selected to represent both on- and off-site conditions at the site, and at nearby sensitive receptors. As shown in Table 8, the existing noise levels at these location are currently relatively quiet, with the exception of location L4, immediately adjacent to Bob Hope Drive.

**Table 8**
**Ambient Noise Level Measurements**

| **Location**[1] | **Energy Average Noise Level ($dBA L_{eq}$)**[2] | | |
|---|---|---|---|
| | **Daytime** | **Evening** | **Nighttime** |
| R1 | 55.2 | 51.3 | 48.7 |
| R2 | 55.5 | 52.3 | 50.3 |
| R3 | 52.7 | 53.6 | 53.5 |
| R4 | 66.1 | 64.5 | 60.2 |


**Exhibit 9**

*Vibration*

Vibration is defined as the periodic oscillation of a medium or object according to the Federal Transit Administration (FTA) Transit Noise Impact and Vibration Impact Assessment Manual. Common sources of ground-borne vibration are construction equipment and motor vehicle traffic on rough roads. Decibel notation (VdB) is commonly used to measure vibration as experienced by the human body. Ground-borne vibration typically becomes perceptible at approximately 65 VdB, and may cause minor damage to fragile buildings at 100 VdB.

The following discussion is based, in part, on the AHC-Skilled Nursing Facility Noise and Vibration Analysis prepared for the Project by Urban Crossroads (August 2023), and provided in Appendix E.

*13.2 Discussion of Impacts:*

**a) LESS THAN SIGNIFICANT IMPACT:**

The Project site is bound by arterial roads, Bob Hope Drive and Gerald Ford Drive, to the west and south. Nearby residential developments, including the neighborhood immediately east of the Project site, as well as the neighborhood northeast of site and the neighborhood on the west side of Bob Hope Drive, are all surrounded by existing 6-foot barriers. The site to the north of the Project site is occupied by medical offices, and the site to the south is currently being developed.

Operational Noise

The Project proposes the development of a skilled nursing facility, which is considered a noise-sensitive use, and thus is not expected to generate any significant sources of noise. On-site noise sources are expected to include roof-top air conditioning units, trash enclosure activity, parking lot vehicle movement, and the emergency backup generator. Reference noise levels for these sources were based on measurements at similar types of sources or on manufacturers' specification sheets, are as follows:

- Roof-top air conditioning units are estimated to generate 57.2 dBA $L_{eq}$ at 50 feet.
- Trash enclosure activity is estimated to generate 57.3 dBA $L_{eq}$ at 50 feet.
- Parking lot vehicle movement is estimated to generate 52.6 dBA $L_{eq}$ at 50 feet.
- The emergency backup generator is estimated to generate 64.9 dBA $L_{eq}$ at 50 feet.

Based on these reference noise levels, Table 9 shows the Project's operational noise as experienced at nearby receiver locations.

**Table 9**
**Offsite Stationary Source Noise Level Increases**

| Receiver Location[1] | Project Operational Noise Levels (dBA Leq) | | | Noise Level Standards (dBA Leq) | | | Threshold Exceeded? | | |
|---|---|---|---|---|---|---|---|---|---|
| | Day | Eve. | Night | Day | Eve. | Night | Day | Eve. | Night |
| R1 | 46.5 | 44.5 | 41.9 | 55 | 50 | 45 | No | No | No |
| R2 | 44.3 | 39.9 | 37.4 | 55 | 50 | 45 | No | No | No |
| R3 | 38.2 | 37.7 | 35.7 | 55 | 50 | 45 | No | No | No |
| R4 | 52.5 | 46.0 | 43.7 | 55 | 50 | 45 | No | No | No |

[1]R1 = medical offices north of Via Marta; R2 = residences northeast of the Project, north of Via Marta; R3 = residences immediately east of the Project; R4 = residences on the west side of Bob Hope Drive.
"Day" = 7:00 a.m. to 6:00 p.m.; "Evening" = 6:00 p.m. to 10:00 p.m.; "Night" = 10:00 p.m. to 7:00 a.m.

As shown in the table above, and based on the City's noise level standards for residential (low density) land uses as provided in Section 8.45.030 of the Municipal Code (see Table 7), the Project's operational noise impacts would be less than significant at nearby noise-sensitive receiver locations.

While the Rancho Mirage Noise Ordinance provides exterior noise level limits based on land use and time of day, the City does not provide a threshold that considers the magnitude of noise level increase resulting from a Project. To determine whether the Project would generate a substantial increase in ambient noise levels, the Noise and Vibration Analysis prepared for the Project uses guidance from the Federal Interagency Committee on Noise (FICON). The FICON guidance provides the following significance criteria to determine the potential significance of the noise level increase resulting from a project:

**Table 10**
**Stationary Source Noise Level Increases Thresholds**

| | | |
|---|---|---|
| Noise-Sensitive | If ambient is < 60 dBA CNEL | ≥ 5 dBA CNEL Project increase |
| | If ambient is 60 – 65 dBA CNEL | ≥ 3 dBA CNEL Project increase |
| | If ambient is > 65 dBA CNEL | ≥ 1.5 dBA CNEL Project increase |
| Non-Noise-Sensitive | If ambient is < 70 dBA CNEL | ≥ 5 dBA CNEL Project increase |
| | If ambient is > 70 dBA CNEL | ≥ 3 dBA CNEL Project increase |

Source: Federal Interagency Committee on Noise, Federal Agency Review of Selected Airport Noise Analysis (August 1992).

Based on the Project's operational noise levels combined with the existing ambient noise level measurements at nearby receiver locations, Table 11 shows the potential operational noise level increases resulting from the proposed development.

**Table 11**
**Project Stationary Source Noise Level Increases**

| Receiver Location | Total Project Operational Noise Level | Measurement Location | Reference Ambient Noise Levels | Combined Project and Ambient | Project Increase | Increase Criteria | Increase Criteria Exceeded? |
|---|---|---|---|---|---|---|---|
| **DAYTIME NOISE LEVEL INCREASES** | | | | | | | |
| R1 | 46.5 | L1 | 55.2 | 55.7 | 0.5 | 5.0 | No |
| R2 | 44.3 | L2 | 55.5 | 55.8 | 0.3 | 5.0 | No |
| R3 | 38.2 | L3 | 52.7 | 52.9 | 0.2 | 5.0 | No |
| R4 | 52.5 | L4 | 66.1 | 66.3 | 0.2 | 1.5 | No |
| **EVENING NOISE LEVEL INCREASES** | | | | | | | |
| R1 | 44.5 | L1 | 51.3 | 52.1 | 0.8 | 5.0 | No |
| R2 | 39.9 | L2 | 52.3 | 52.5 | 0.2 | 5.0 | No |
| R3 | 37.7 | L3 | 53.6 | 53.7 | 0.1 | 5.0 | No |
| R4 | 46.0 | L4 | 64.5 | 64.6 | 0.1 | 3.0 | No |
| **NIGHTTIME NOISE LEVEL INCREASES** | | | | | | | |
| R1 | 41.9 | L1 | 48.7 | 49.5 | 0.8 | 5.0 | No |
| R2 | 37.4 | L2 | 50.3 | 50.5 | 0.2 | 5.0 | No |
| R3 | 35.7 | L3 | 53.5 | 53.6 | 0.1 | 5.0 | No |
| R4 | 43.7 | L4 | 60.2 | 60.3 | 0.1 | 3.0 | No |

As shown in the above table, the noise level increase resulting from the proposed Project would be substantially below the FICON noise level increase thresholds, and impacts would therefore be less than significant.

Off-Site Traffic Noise

The Project would generate additional vehicle trips, potentially resulting in increased traffic noise in the surrounding area. Traffic volumes would be required to double in order to generate a 3 dBA CNEL noise level increase, which is considered a barely perceptible increase. As discussed in Section 17, Transportation, the Project is estimated to generate 501 average daily trips (ADT). According to Traffic Analysis prepared for the City's 2017 General Plan Update, average daily traffic volumes in 2016 on roadways near the Project were as follows:

- Bob Hope Drive (north of Gerald Ford Drive): 11,082 ADT
- Bob Hope Drive (south of Gerald Ford Drive): 8,561 ADT
- Gerald Ford Drive (west of Bob Hope Drive): 14,314 ADT
- Gerald Ford Drive (east of Bob Hope Drive): 13,023 ADT

The proposed Project would therefore only generate an incremental increase in traffic volumes on surrounding roadways. The noise level increase resulting from this incremental increase in traffic would not be perceptible.

Construction Noise

Project construction would result in short-term noise level increases, the volume of which would vary depending on the construction activities. Construction of the proposed development would involve site preparation, grading, building construction, paving, and architectural coating. Composite noise levels for each construction phase were calculated based combining reference noise levels for construction equipment typically used during each phase. Table 12 shows the resulting noise level at each phase based on the distance to the nearest receiver location.

**Table 12**
**Construction Noise Level Compliance**

| Receiver Location | Construction Noise Levels (dBA Leq) | | | | | Highest Levels | Threshold[1] | Threshold Exceeded? |
|---|---|---|---|---|---|---|---|---|
| | Site Prep. | Grading | Building Const. | Paving | Arch. Coating | | | |
| R1 | 62.9 | 62.2 | 59.5 | 56.8 | 55.1 | 62.9 | 80 | No |
| R2 | 57.1 | 56.4 | 53.7 | 51.0 | 49.3 | 57.1 | 80 | No |
| R3 | 55.7 | 55.0 | 52.3 | 49.6 | 47.9 | 55.7 | 80 | No |
| R4 | 64.5 | 63.8 | 61.1 | 58.4 | 56.7 | 64.5 | 80 | No |

[1] Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual.

As shown in the table above, Project construction would result in maximum noise levels of 55.7 to 64.5 dBA Leq at the nearby receiver locations. Based on a noise level threshold of 80 dBA Leq, as provided in the Federal Transit Administration, noise generated by Project construction would have a less than significant impact on nearby sensitive receivers.

Project construction will also be required to comply with permitted hours of 7:00 a.m. to 7:00 p.m. on weekdays and Saturdays, as provided in Section 15.04.030 of the Rancho Mirage Municipal Code. Compliance with this restriction will ensure that noise associated with Project construction occurs during the less-sensitive daytime hours.

Conclusion

Overall, noise generated from Project operations would neither exceed the City's noise level standards nor would it exceed the FICON guidance for noise level increases. Off-site noise level increases resulting from Project vehicle trips are expected to be imperceptible. Project construction will not exceed the FTA threshold and will be required to comply with the working hours provided in the City's Municipal Code. Therefore, it can be concluded that the Project would not generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. Impacts would be less than significant.

**b) LESS THAN SIGNIFICANT IMPACT:**

Ground-borne vibration and/or ground-borne noise would be generated by construction of the Project, which could be felt be adjacent land uses. The Project site is surrounded by residential developments immediately to the east and on the west side of Bob Hope Drive. Lands to the north and south of the subject site are occupied by existing medical office buildings and property currently undergoing development, respectively.

The degree of ground vibration during construction would vary depending on the methods and equipment being employed during a given construction phase. Table 13 provides vibration levels associated with typical construction equipment.

**Table 13**
**Vibration Source Levels for Construction Equipment**

| Equipment | PPV (in/sec) at 25 feet |
|---|---|
| Small bulldozer | 0.003 |
| Jackhammer | 0.035 |
| Loaded trucks | 0.076 |
| Large bulldozer | 0.089 |
| Vibratory roller | 0.210 |
| Source: CalTrans Transportation and Construction Vibration Guidance Manual, April 2020. | |

As shown in the above table, typical construction equipment generates vibration levels ranging from 0.003 to 0.210 PPV (in/sec) as perceived at a distance of 25 feet from the noise source.

Table 13 shows the expected construction vibration levels that would be experienced at nearby building facades from construction on the Project site. The City of Rancho Mirage does not identify specific vibration level limits for construction. Instead, vibration damage thresholds for buildings, from the Caltrans Transportation and Construction Vibration Guidance Manual are used to determine the potential impacts. The maximum vibration level that would occur at the nearby receiver locations is compared with a threshold of 0.3 PPV (in/sec) based on the threshold for "older residential buildings".

**Table 14**
**Project Construction Vibration Levels**

| Location | Distance to Const. Activity | Typical Construction Vibration Levels PPV (in/sec) | | | | | | Threshold PPV (in/sec) | Threshold Exceeded?[1] |
|---|---|---|---|---|---|---|---|---|---|
| | | Small bulldozer | Jack-hammer | Loaded trucks | Large bulldozer | Vibratory roller | Highest Vibration Level | | |
| R1 | 152' | 0.000 | 0.002 | 0.005 | 0.006 | 0.014 | 0.014 | 0.3 | No |
| R2 | 120' | 0.000 | 0.003 | 0.007 | 0.008 | 0.020 | 0.020 | 0.3 | No |
| R3 | 30' | 0.002 | 0.027 | 0.058 | 0.068 | 0.160 | 0.160 | 0.3 | No |
| R4 | 272' | 0.000 | 0.001 | 0.002 | 0.002 | 0.006 | 0.006 | 0.3 | No |
| [1]Caltrans Transportation and Construction Vibration Manual, April 2020 Table 19. | | | | | | | | | |

As shown in the above table, and based on a maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec), typical Project construction vibration levels would not exceed the building damage thresholds at the nearby receiver locations. The highest vibration levels shown in the above table would not be sustained throughout the construction period, but would intermittent and temporary, occurring only when heavy equipment is operated on the edge of the Project site. Given that the maximum vibration level at the receiver locations would not exceed the threshold, it can be concluded that ground-borne vibration would not be excessive, and impacts would be less than significant.

**c) NO IMPACT:**

The two nearest airports to the Project site are the Palm Springs International Airport, and Bermuda Dunes Airport, both of which are located more than 5 miles away from the subject site. The Project site is not within the boundaries of the airport land use plan for either airport. Therefore, the proposed development would not expose people residing or working in the project area to excessive noise levels from airport or private air strips. No impacts will occur.

*13.3 Mitigation Measures: None required.*

## 14 - Population and Housing

| **POPULATION AND HOUSING** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | ☐ | ☐ | ☒ | ☐ |
| b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? | ☐ | ☐ | ☐ | ☒ |

**Sources:** City of Rancho Mirage General Plan 2017 Update; City of Rancho Mirage Municipal Code; U.S. Census Bureau, American Community Survey 5-year estimates (2021); U.S. Census Bureau, 2020 Decennial Census; Southern California Association of Governments 2020-2045 RTP/SCS.

*14.1 Setting*

According to the Demographics and Growth Report provided in the Southern California Association of Governments Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS), Rancho Mirage is projected to have a population of 25,200 residents by 2045, up from a population of 18,200 in 2016. The City has a population of 16,999 residents according to the 2020 decennial census.

The 2021 5-year American Community Survey estimated that there are 14,998 housing units in Rancho Mirage, of which 59% are owner-occupied.

*14.2 Discussion of Impacts:*

**a) LESS THAN SIGNIFICANT IMPACT:**

The Project proposes the development of a skilled nursing facility and the future development of a medical office building. Given that it does not propose the development of any housing, the Project is not expected to directly generate permanent residential population. The Project also does not propose any infrastructure improvements or extensions that would indirectly induce population growth.

However, the proposed skilled nursing facility and future medical office building would generate new employment opportunities which could attract new residents to Rancho Mirage, thereby inducing population growth. This potential population growth is not expected to be substantial or unplanned because the proposed uses are consistent with the site's designated land use and zoning. The City's 2017 General Plan Update designates the site for Commercial Office land use and zoning, under which convalescent hospitals as well as medical services, clinics, and laboratories are permitted. Given that the proposed uses are consistent with the uses permitted in the City's long range plans, any populating growth resulting from associated job generation would not be unplanned. Impacts would therefore be less than significant.

**b) NO IMPACT:**

The Project site is currently vacant and undeveloped. The proposed development would not displace any existing people or housing. There will be no impact.

*14.3 Mitigation Measures:* None required.

## 15 - Public Services

| **PUBLIC SERVICES** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: | | | | |
| i) Fire protection? | ☐ | ☐ | ☒ | ☐ |
| ii) Police protection? | ☐ | ☐ | ☒ | ☐ |
| iii) Schools? | ☐ | ☐ | ☐ | ☒ |
| iv) Parks? | ☐ | ☐ | ☐ | ☒ |
| v) Other public facilities? | ☐ | ☐ | ☐ | ☒ |

**Sources:** City of Rancho Mirage General Plan 2017 Update.

*15.1 Setting*

*Fire Protection Services*

Fire protection in Rancho Mirage is provided by the Riverside County Fire Department under contract to the California Department of Forestry. There are two fire stations within the City limits, the nearest of which is Station No.69, located on Gerald Ford Drive approximately 1,300 feet west of the Project site.

*Police Protection Services*

The Riverside County Sheriff's Department provides police protection to Rancho Mirage. The department operates out of the station in Palm Desert, located on Gerald Ford Drive approximately 1.5 miles east of the Project site.

*Schools*

The Palm Springs Unified School District (PSUSD) serves most of Rancho Mirage, with a small portion in the southeastern portion of the City located within the Desert Sands Unified School District (DSUSD) service area. The Project site is located within the service area for the PSUSD.

*15.2 Discussion of Impacts:*

**a)**

**i) LESS THAN SIGNIFICANT IMPACT:**

Ultimate buildout of the Project would contribute two additional structures requiring fire protection, thereby incrementally increasing demand for the Department's resources and services. It is not, however, anticipated that new or expanded facilities would be required as a result of this incremental increase in demand.

The Project will be required to comply with all applicable local and state fire and building codes to ensure adequate fire safety and access, and site plans will be reviewed by the Fire Department. Given that the Project is expected to minimally increase demand for fire protection, and that plans will be reviewed to ensure adequate fire safety on-site, impacts to fire protection will be less than significant.

**ii) LESS THAN SIGNIFICANT IMPACT:**

Buildout of the proposed skilled nursing facility and future medical office could incrementally contribute to increased demand for police protection, but would not require the construction of new or expanded police services or facilities.

The Project will be required to comply with all applicable Sheriff's Department policies, and site plans will be reviewed by the Department to ensure adequate emergency access if provided. Impacts will be less than significant.

**iii) NO IMPACT:**

The Project proposes the development of a skilled nursing facility and the future development of medical offices. The proposed development would not include any residential uses that would generate permanent population, but may indirectly result in a marginal increase in students due to new employees' families. In addition, the Project will be required to pay the State mandated school impact fees, which are designed to offset the demand created by new development on school capacity. There will be no impact to schools.

**iv) NO IMPACT:**

Potential impacts to parks are addressed in Section 16, Recreation. The proposed Project is not expected to impact parks or other recreational facilities.

**v) NO IMPACT:**

The Project does not propose residential uses and thus would not directly generate growth in the permanent population. It is therefore not expected to impact the use or provision of public facilities. There would be no increase in demand for existing facilities, and no resulting impacts.

*15.3 Mitigation Measures: None required.*

## 16 - Recreation

| **RECREATION** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | ☐ | ☐ | ☐ | ☒ |
| b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment? | ☐ | ☐ | ☐ | ☒ |

**Source:** City of Rancho Mirage General Plan 2017 Update.

*16.1 Setting*

There are currently six parks, including two mini parks and four local parks, and two future parks in Rancho Mirage. The nearest parks to the Project site are the Rancho Mirage Dog Park, located approximately 4,500 feet northeast of the subject site, and the proposed Monterey Park, which would be located approximately 3,700 feet northeast of the site. The City also has a network of bike paths and trails that connect to the public parks. Existing Class II Bicycle Lanes and meandering sidewalks occur along the Project frontages on Bob Hope Drive and Gerald Ford Drive. There is also an existing trail network in the residential areas to the northeast of the Project site.

While there are numerous recreational facilities such as golf courses, swimming pools, and tennis courts in Rancho Mirage, most of the resources are private.

*16.2 Discussion of Impacts:*

**a,b) NO IMPACT:**
The Project proposes a skilled nursing facility and the future development of a medical office. It does not propose any residential uses, and therefore would not increase the use of existing parks and recreational facilities. The Project will have no impact on the deterioration of these facilities.

The proposed development will include an outdoor common space for use by residents and visitors of the proposed nursing facility. This open space will be within the subject site, and thus will not have environmental impacts beyond those already analyzed for the Project in this document. Given that the Project will not increase the use of parks or recreation facilities, it will not require the construction or expansion of recreational facilities. There will be no impacts.

*16.3 Mitigation Measures*: None required.

## 17 - Transportation

| **TRANSPORTATION** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities? | ☐ | ☐ | ☒ | ☐ |
| b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)? | ☐ | ☐ | ☒ | ☐ |
| c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | ☐ | ☐ | ☐ | ☒ |
| d) Result in inadequate emergency access? | ☐ | ☐ | ☐ | ☒ |

**Source:** Rancho Mirage General Plan 2017 Update; Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th edition, 2021; City of Rancho Mirage General Plan Update, Traffic Impact Analysis prepared by Urban Crossroads (March 2017); City of Rancho Mirage, Resolution No. 2021-06, https://weblink.ranchomirageca.gov/WebLink/DocView.aspx?id=602891&dbid=0&repo=RanchoMirage&cr=1 (accessed October 2023).

*17.1 Setting*

The City's Circulation Roadway Plan is based on six roadway design classifications, including major arterial, minor arterial, major collector, minor collector, local streets, and regional roadways. According to the revised circulation roadway plan provided, Bob Hope Drive and Gerald Ford Drive are designated as minor arterials (four lanes, divided). Via Marta is a local street. The intersection of Bob Hope Drive and Gerald Ford Drive is designated as a critical intersection.

Public transportation in Rancho Mirage and the Coachella Valley is provided by Sunline Transit Authority. Sunline Route 4 runs along Bob Hope Drive adjacent to the Project site. The nearest stops are the southbound bus stop at Bob Hope Drive and Gerald Ford Drive, and the northbound bus stop on Bob Hope Drive near Via Marta.

The Project's street frontages along Bob Hope Drive and Gerald Ford Drive are lined by existing meandering sidewalks. An existing bicycle lane is provided along Gerald Ford Drive.

According to the City's Circulation Element, the acceptable Level of Service (LOS) for roadway segments and intersections in Rancho Mirage is LOS D or better. Senate Bill 743 required the use of vehicle miles to determine the significance of transportation under CEQA, instead of LOS.

*17.2 Discussion of Impacts:*

**a) LESS THAN SIGNIFICANT IMPACT:**

Roadways

Both Bob Hope Drive and Gerald Ford drive exist as roadways built out to the General Plan roadway classification standard, with 55-foot half-width rights of way, and 21-foot pedestrian easements. Via Marta is currently a two lane, undivided roadway. Consistent with the General Plan local street design standard, the Project proposes half-width improvements to Via Marta, including a 30-foot half-width right of way with a 10-foot pedestrian easement.

As shown in Table 14, the Project's daily and peak hour trip generation was estimated using Institute of Transportation Engineers (ITE) 11th edition Trip Generation Manual.

**Table 15**
**Project Trip Generation Summary**

| Proposed Land Use | ITE Land Use Code | Quantity | AM Peak Hour | | | PM Peak Hour | | | Daily |
|---|---|---|---|---|---|---|---|---|---|
| | | | In | Out | Total | In | Out | Total | |
| Skilled Nursing Facility | ITE 620 Nursing Home | 46 beds | 6 | 3 | 9 | 6 | 9 | 15 | 141 |
| Future Medical Office | ITE 720 Medical-Dental Office Building | 10,000 square feet | 22 | 15 | 37 | 17 | 26 | 48 | 360 |
| | | **TOTAL:** | **28** | **18** | **46** | **23** | **35** | **63** | **501** |

Source: Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th edition, 2021.

As shown in the above table, the Project is expected to generate an average of 501 daily trips on weekdays. According to the City's General Plan 2017 Update, LOS D is considered an acceptable level of service in Rancho Mirage. Table 15, below, shows the existing (2016) traffic volumes on the arterial roads bounding the Project site, as well as the LOS capacity.

**Table 16**
**General Plan Roadway Segment Capacity Analysis for Existing (2016) Conditions**

| Roadway | Segment | LOS Capacity | Existing (2016) ADT | V/C | LOS | Acceptable LOS |
|---|---|---|---|---|---|---|
| Bob Hope Drive | North of Gerald Ford Dr. | 35,900 | 11,082 | 0.31 | A | D |
| | South of Gerald Ford Dr. | 35,900 | 8,561 | 0.24 | A | D |
| Gerald Ford Drive | West of Bob Hope Dr. | 35,900 | 14,314 | 0.40 | A | D |
| | East of Bob Hope Dr. | 35,900 | 13,032 | 0.36 | A | D |

Source: City of Rancho Mirage General Plan Update, Traffic Impact Analysis prepared by Urban Crossroads (March 2017), Table 3-2.

In the immediate vicinity of the Project site, both Bob Hope Drive and Gerald Ford Drive have a LOS capacity of 35,900, as shown in the above table. According to Table 5 in the Circulation Element of the City's General Plan, LOS D has a volume to capacity (V/C) ratio of 0.81 to 0.90.

LOS A to LOS C have V/C ratios ranging from 0.00 to 0.80. Table 16, below, shows the LOS on Bob Hope Drive and Gerald Ford Drive accounting for the additional 501 average daily trips generated by the Project.

**Table 17**
**Project Roadway Segment Capacity Analysis for Existing (2016) Conditions**

| Roadway | Segment | LOS Capacity | Existing (2016) ADT | Project ADT | With Project V/C | With Project LOS |
|---|---|---|---|---|---|---|
| Bob Hope Drive | North of Gerald Ford Dr. | 35,900 | 11,082 | 501 | 0.32 | A |
| | South of Gerald Ford Dr. | 35,900 | 8,561 | 501 | 0.25 | A |
| Gerald Ford Drive | West of Bob Hope Dr. | 35,900 | 14,314 | 501 | 0.41 | A |
| | East of Bob Hope Dr. | 35,900 | 13,032 | 501 | 0.38 | A |

Source: City of Rancho Mirage General Plan Update, Traffic Impact Analysis prepared by Urban Crossroads (March 2017), Table 3-2.

As shown in the above table, the 501 average daily trips projected to be generated by the Project would have a negligible impact on the existing V/C ratio on Bob Hope Drive and Gerald Ford Drive. While the actual daily trips on roadways in Rancho Mirage have likely increased in volume since the traffic impact analysis was prepared for the 2017 General Plan Update, it is still unlikely that the trips generated by the Project would result in a LOS below LOS D on surrounding roadways. The Project is consistent with the General Plan's land use designation for the site, and the SNF component of the Project is a particularly low trip generating use, both of which combine to result in an increase in traffic that will not significantly impact future roadway conditions.

Overall, the Project will not result in any conflicts with the policies in the City's General Plan Circulation Element addressing roadways or LOS. There will be no impact on plans or policies addressing roadways.

Transit

The Project area is currently served by Sunline Transit Agency, with service from Route 4 running along Bob Hope Drive. Southbound and northbound bus stops are accessible from the subject site, within approximately 300 feet and 600 feet, respectively. The Project would not conflict with transit-related plans from Sunline or the City, and would have no impact on plans or policies addressing transit.

Bicycle and Pedestrian Facilities

Existing meandering sidewalks occur along the Project's southern frontage, along Gerald Ford Drive, and along the western frontage with Bob Hope Drive. The Project proposes improvements to Via Marta, including the addition of a 10-foot wide pedestrian easement, including a meandering sidewalk. Existing bicycle facilities occur along Gerald Ford Drive. The proposed Project will not conflict with plans or policies addressing bicycle or pedestrian facilities.

**b) LESS THAN SIGNIFICANT IMPACT:**

Senate Bill (SB) 743 required an amendment to the CEQA Guidelines to require all lead agencies to adopt vehicle miles traveled (VMT) as a replacement for automobile delay-based LOS for

analyzing transportation impacts. The City of Rancho Mirage adopted its VMT policy via Resolution 2021-06[1], which includes screening criteria under which projects are not required to submit detailed VMT analysis.

The following seven categories of screening criteria are provided in Exhibit "A" of Resolution 2021-06:

1. Small Projects
2. Projects Near High Quality Transit
3. Affordable Housing
4. Local Essential Service
5. Map-Based Screening
6. Redevelopment Projects

The proposed Project does not meet the criteria for categories 2, 3, 4, 5, or 6. It does, however, meet the criteria for category 1, which applies to small projects. Resolution 2021-06 provides nine screening criteria for small projects, presuming that a development would cause less than significant impacts related to VMT if it conforms to one of the screening criteria. One of the criteria states that impacts would be less than significant if "Project GHG emissions are less than 3,000 Metric Tons of Carbon Dioxide Equivalent (MTCO2e) as determined by a methodology acceptable to the Engineering Department."

As described in Section 8, Greenhouse Gas Emissions, the proposed Project is projected to emit 1,763 MTCO2e per year according to modeling prepared for the proposed development using California Emissions Estimate Model (CalEEMod) Version 2022.1.1.21. Given that the Project's GHG emissions will be less than 3,000 MTCO2e, it can be concluded that further VMT analysis is not warranted, and that the proposed development would cause less than significant impacts related to VMT.

**c) NO IMPACT:**

The Project proposes the development of a skilled nursing facility and the future development of a medical office building. These uses would not result in incompatible uses such as farm equipment. The proposed roadway improvements, access points, and internal drives will be constructed in accordance with City standards, and would not include any sharp curves, dangerous intersections, or hazardous geometric features. Construction plans will be coordinated with the City to ensure that construction activities do not interfere with traffic on nearby roads. Overall, the Project is not expected to increase hazards, and no impacts are anticipated.

**d) NO IMPACT:**

Emergency access to the site will be provided via the primary ingress/egress on Via Marta, as well as via the secondary access point from Gerald Ford Drive. The proposed site plan will be reviewed by the fire and police departments prior to construction to ensure that adequate emergency access and emergency vehicle turnaround space is provided. Likewise, construction plans will be coordinated with the City to ensure that emergency access is not impaired by construction activities. The Project is therefore not expected to impact emergency access, and no impacts are anticipated.

*17.3 Mitigation Measures:* None required.

[1] City of Rancho Mirage, Resolution No. 2021-06, https://weblink.ranchomirageca.gov/WebLink/DocView.aspx?id=602891&dbid=0&repo=RanchoMirage&cr=1 (accessed October 2023).

**18 - Tribal Cultural Resources**

| **TRIBAL CULTURAL RESOURCES** – Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code § 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section5020.1(k), or | ☐ | ☒ | ☐ | ☐ |
| ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. | ☐ | ☒ | ☐ | ☐ |

**Source:** Historical/Archaeological Resources Survey Report for AHC Skilled Nursing Facility Project prepared by CRM TECH (October 2023).

*18.1 Setting*

The Project site is located in the Coachella Valley, an area which has historically been a center of Native American settlement. The earliest known cultural development in the broader area dates back to the Paleoindian period (ca. 8,000 to 10,000-12,000 years ago), when small groups of hunters and gatherers lived in the region. When present, Holocene Lake Cahuilla attract significant settlement along its shores.

As discussed in Section 5, Cultural Resources, the Coachella Valley is the traditional home of the Cahuilla. Anthropologists generally categorize the Cahuilla into three groups: the Pass Cahuilla of the San Gorgonio Pass-Palm Springs area, the Mountain Cahuilla of the San Jacinto and Santa Rosa Mountains and the Cahuilla Valley, and the Desert Cahuilla of the eastern Coachella Valley. Today, Native Americans of Pass or Desert Cahuilla heritage are generally affiliated with one or more reservations in and around the Coachella Valley, including the Agua Caliente, Morongo, Cabazon, Torres Martinez, and Augustine.

*18.2 Discussion of Impacts:*

**i,ii) LESS THAN SIGNIFICANT IMPACT WITH MITIGATION:**

As described in Section 5, Cultural Resources, a Historical and Archaeological Resources Survey Report was prepared for the Project by CRM TECH (October 2023). This survey included a historical/archaeological records search, consultation with the State of California Native American Heritage Commission (NAHC), consultation with the local Agua Caliente Band of Cahuilla Indians (ACBCI), historical background research, and a field survey. None of these research methods found evidence of cultural resources on the Project site, including tribal cultural resources as defined in Public Resources Code Section 5023.1.

During the course of the Historical and Archaeological Resources Survey for the Project, CRM TECH contacted the Agua Caliente Band of Cahuilla Indians (ACBCI) for additional information on potential Native American cultural resources in the Project vicinity. The ACBCI identified the Project site as part of the Tribe's Traditional Use Area, and requested copies of all cultural resources documentation generated for this Project for review. An ACBCI archaeological technician also accompanied the CRM TECH archaeologist in carrying out the field survey.

The City of Rancho Mirage conducted Tribal Consultation in conformance with AB 52. The City sent AB 52 notification letters to representatives of fifteen tribes on November 17, 2023. The letter indicated that all tribes had 30 days from the date of the letter to request consultation regarding the proposed Project. As of February 6, 2024, three tribes formally responded to the letter in writing.

A representative of the Morongo Band of Mission Indians suggested that the City should consult with tribes more closely associated with the subject site.

A representative of the Augustine Band of Cahuilla Indians indicated that no specific cultural resources are known by the Tribe that would be impacted by the Project, but requested notification should any cultural resources be discovered during development of the site.

A representative of the Agua Caliente Band of Cahuilla Indians (ACBCI) responded to the letter with a request for the following:

- Formal government to government consultation under California Assembly Bill No.52 (AB 52).
- Copies of any cultural resource documentation (report and site records) generated in connection with this project.
- A copy of the records search with associated survey reports and site records from the information center.
- The presence of an approved Agua Caliente Native American Cultural Resource Monitor(s) during any ground disturbing activities (including archaeological testing and surveys). Should buried cultural deposits be encountered, the Monitor may request that destructive construction halt and the Monitors shall notify a Qualified Archaeologist (Secretary of the Interior's Standards and Guidelines) to investigate and, if necessary, prepare a mitigation plan for submissions to the State Historic Preservation Officers and the Agua Caliente Tribal Historic Preservation Office.

To protect potential unanticipated resources that may be buried in the Project site, Mitigation Measure CUL-1, included in Section 5, Cultural Resources, requires that work be halted and a qualified archaeologist contacted should any buried cultural resources be discovered during earth-moving operations. The mitigation measure also requires that a Tribal monitor be present

during ground disturbing activities, and that a report shall be submitted to the City and Tribes should any cultural resources be discovered. Implementation of this mitigation measure will ensure that potential impacts to Tribal Cultural Resources are less than significant.

*18.3 Mitigation Measures*: *See Section 5 (Cultural Resources)*

## 19 - Utilities and Service Systems

| **UTILITIES AND SERVICE SYSTEMS** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? | ☐ | ☐ | ☒ | ☐ |
| b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years? | ☐ | ☐ | ☒ | ☐ |
| c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the projects projected demand in addition to the providers existing commitments? | ☐ | ☐ | ☒ | ☐ |
| d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? | ☐ | ☐ | ☒ | ☐ |
| e) Comply with federal, state, and local management and reduction statues and regulations related to solid waste? | ☐ | ☐ | ☒ | ☐ |

**Sources:** City of Rancho Mirage General Plan 2017 Update; CalRecycle Solid Waste Information System (SWIS), https://calrecycle.ca.gov/SWFacilities/ (accessed October 2023); CalRecycle Estimated Waste Generation Rates https://www2.calrecycle.ca.gov/WasteCharacterization/General/Rates, accessed October 2023.

*19.1 Setting*

*Domestic Water*

Groundwater is the primary water source in the Coachella Valley. The Project site is located in the service area for the Coachella Valley Water District (CVWD), which sources most of its water

supply from the Whitewater River Subbasin (also known as the Indio subbasin) and the Mission Creek Subbasin. CVWD also uses imported water to recharge the groundwater at three facilities: the Whitewater River Groundwater Recharge Facility (GRF), the Thomas A. Levy GRF, and the Palm Desert GRF. CVWD also operates five water reclamation plants (WRPs), two of which generate recycled water which is used for landscape irrigation. In 2020, CVWD's actual water supply was 109,300 acre-feet, of which approximately 91% was sourced from groundwater, while the remainder was recycled water.

*Wastewater*

CVWD provides wastewater collection and treatment services to Rancho Mirage. Wastewater from the city is conveyed to Palm Desert Water Reclamation Plant 10 (WRP 10), which has a total capacity of 18 million gallons per day (mgd), including 15 mgd tertiary treatment capacity.

*Electricity and Natural Gas*

Electricity is provided to the project site by the Imperial Irrigation District (IID). California Gas (SoCalGas) provides natural gas service to the city.

*Solid Waste*

Rancho Mirage contracts with Burrtec for solid waste management and disposal services. Most landfill waste from Burrtec's service area in the Coachella Valley is taken to the Edom Hill Transfer Station north of Cathedral City. The transfer station has a maximum daily throughput of 3,500 tons for general waste, and a separate area with a maximum daily throughput of 500 tons for compost. From the transfer station, waste is taken to a regional landfill.

Recyclable materials are transported to a Material Recovery Facility for sorting and processing, and are ultimately shipped for reuse and repurposing. According to the City's General Plan Public Services and Facilities Element, the nearest Material Recovery Site to the Project area is the West Valley Transfer Station/Material Recovery Site in Fontana.

*19.2 Discussion of Impacts:*

**a) LESS THAN SIGNIFICANT IMPACT:**

The Project site is located in an urbanized area in the City of Rancho Mirage that is well served by existing utilities. The proposed development is therefore not expected to require the relocation or construction of new or expanded utility facilities.

Water

Domestic water is provided in Rancho Mirage by CVWD. Existing 18-inch water mains run in the Bob Hope Drive and Gerald Ford Drive rights-of-way (ROW). The proposed Project will connect to these existing facilities, and thus will not require the relocation or construction of new or expanded water facilities.

Wastewater treatment

CVWD provides sewer systems and wastewater treatment services to Rancho Mirage. An existing 8-inch sewer main occurs in the Via Marta ROW, which, through the CVWD sewer system, would convey the Project's wastewater to WRP-10. The proposed Project will connect to this existing sewer line, extending the sewers into the subject site, and thus will not require the relocation or construction of new or expanded sewer facilities.

Storm drainage
According to the Preliminary Hydrology Study prepared for the Project, the proposed development will retain 100% of the worst-case 100-year storm on-site. The Project will therefore not generate any additional runoff, and thus will not require the relocation or construction of new or expanded storm drain facilities.

Electric Power, Natural Gas, and Telecommunications.
The proposed Project will require the construction of on-site electrical, natural gas, and telecommunications lines, which will connect to existing infrastructure located adjacent to the subject site. An existing Imperial Irrigation District transmission line occurs in the Bob Hope Drive ROW. The Project would be able to extend electricity into the site from this existing line, and will similarly extend utilities from existing natural gas and telecommunication facilities, and thus will not require the relocation or construction of new or expanded facilities.

**b) LESS THAN SIGNIFICANT IMPACT:**
The proposed Project would use water during construction and operations. Water demand for construction would be temporary and limited, and would be primarily used for dust control purposes. During operations, water would be used for the skilled nursing facility, future medical office building, and for landscape irrigation. As shown in Table 6 in Section 10, Hydrology and Water Quality, the Project is estimated to generate demand for 7.29 acre-feet per year once operational.

According to the 2020 Coachella Valley Regional Urban Water Management Plan (UWMP), CVWD's water supply is projected to be 137,061 AFY in 2025, increasing to 164,966 AFY by 2045. The UWMP verifies the reliability of this supply through normal, dry and multiple dry years. The Project's projected water demand of 7.29 AFY would represent 0.005% of the 2025 supply or 0.004% of the 2045 supply. CVWD would therefore have sufficient water supplies available to serve the Project and reasonably foreseeable future development through normal, dry, and multiple dry years. Impacts would be less than significant.

**c) LESS THAN SIGNFICIANT IMPACT:**
CVWD provides wastewater collection and treatment services to Rancho Mirage. Wastewater from Rancho Mirage is conveyed to the Palm Desert Water Reclamation Plant 10 (WRP 10), which has a total capacity of 18 million gallons per day (mgd). CVWD updates its plans based on growth within its service area in order to ensure adequate sewer system capacity for future demands. WRP 10 has a currently average flow of 10.8 million gallons per day, and the CVWD 2010 Urban Water Management Plan projects wastewater treatment at the plant to be 15.53 million gallons per day by 2045. The Project's wastewater discharges would be typical of residential uses for the SNF, and office uses for the future office building, and would not exceed the wastewater treatment requirements of CVWD or the Regional Water Quality Control Board. It is therefore anticipated that the existing WTP would have adequate capacity to serve the Project in addition to CVWD's existing commitments, and impacts associated with wastewater would be less than significant.

**d,e) LESS THAN SIGNIFICANT IMPACT:**
Solid waste services are provided to the City of Rancho Mirage by Burrtec. Solid waste is recycled, transformed at a waste-to-energy facility, or disposed of at a County landfill. The Lamb Canyon regional landfill and Badlands landfill serve the Project area. The Lamb Canyon landfill has a maximum permitted capacity of 39,681,513 cubic yards, and a remaining capacity of 19,242,950 cubic yards as of 2015. The Badlands Landfill has a maximum capacity of 82,300,000 cubic yards

and a remaining capacity of 7,800,000 cubic yards.[2] In accordance with Assembly Bill (AB) 939, or the Integrated Waste Management Act, the City is required to recycle at least 50% of its solid waste.

Table 17 shows the Project's estimated solid waste generation in tons per year, based on build out of the proposed 46-bed skilled nursing facility and future medical office building which could be up to 10,000 square feet.

**Table 18**
**Estimate Solid Waste Disposal at Buildout**

| Proposed Land Use | Disposal Rate | Proposed Units | Solid Waste Disposal | Projected Solid Waste Disposal (tons/year) |
|---|---|---|---|---|
| Skilled nursing facility | 5 lbs/bed/day | 46 beds | 230 lbs per day | 41.98 |
| Medical office building | 0.084 lbs/sf/day | 10,000 sf | 840 lbs per day | 153.3 |
| | | | Subtotal: | 195.28 |
| | | | **Total (with 50% diversion)** | **97.64** |

Based on estimated solid waste generation rates for nursing/retirement home and professional office uses as provided by CalRecycle, https://www2.calrecycle.ca.gov/WasteCharacterization/General/Rates, accessed October 2023.

As shown in the above table, the Project is estimated to generate 97.64 tons of solid waste per year. This is equivalent to 781.12 cubic yards per year,[3] which represents approximately 0.004% of the Lamb Canyon landfill's remaining capacity, or 0.01% of the Badlands landfill's remaining capacity. The Project would thus not exceed the available capacity of the landfill, and Project impacts will be less than significant.

Recyclable materials from the Project, such as paper, plastic, glass, carboard, and aluminum, will be transported to Burrtec's material recovery facilities for recycling. Burrtec is responsible for ensuring that solid waste operations comply with federal, state, and local regulations. The Project's impacts related to solid waste disposal would therefore be less than significant.

*19.3 Mitigation Measures:* None required.

[2] CalRecycle Solid Waste Information System (SWIS), https://calrecycle.ca.gov/SWFacilities/ (accessed October 2023)

[3] Assumes that 1 CY of commercial and residential recyclable solid waste is equivalent to 100 lbs. (averaged). "Volume to Weight Conversion Factors," US EPA Office of Resource Conversion and Recovery (2016).

**20 - Wildfire**

| **WILDFIRE** – Would the project: | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project: | | | | |
| a) Substantially impair an adopted emergency response plan or emergency evacuation plan? | ☐ | ☐ | ☐ | ☒ |
| b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? | ☐ | ☐ | ☐ | ☒ |
| c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? | ☐ | ☐ | ☐ | ☒ |
| d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? | ☐ | ☐ | ☐ | ☒ |

**Sources:** City of Rancho Mirage General Plan 2017 Update; CalFire, Fire Hazard Severity Zones in State Responsibility Area - June 15, 2023, https://calfire-forestry.maps.arcgis.com/apps/webappviewer/index.html?id=988d431a42b242b29d89597ab693d008 (Accessed October 2023).

*20.1 Setting*

Southern California is prone to wildfires due to the region's climate, topography, and vegetation. Projects located in the transition zone from developed to natural landscapes, known as the wildland-urban interface, tend to be particularly susceptible to wildfires. The southern portion of Rancho Mirage is largely undeveloped hillside terrain, and is susceptible to a higher wildfire risk than the rest of the City.

The Project site is located in the northern portion of Rancho Mirage, in an area with relatively flat topography. Lands to the east, north, and west of the subject site are developed, and lands south of Gerald Ford Drive are currently being developed.

CalFire ranks wildfire risks based on four criteria: fuels, weather, assets at risk, and level of service. According to a CalFire map of fire hazard severity zones in State Responsibility Areas (SRAs), the Project site and surrounding area are not classified as a moderate, high, or very high severity of wildfire hazard. As described in the City's General Plan 2017 Update, the historical record indicates that the wildland fire hazard in Rancho Mirage is relatively low.

*20.2 Discussion of Impacts:*

**a) NO IMPACT:**

The City of Rancho Mirage maintains a Local Hazard Mitigation Plan (LHMP), which is updated every 5-years, including the most recent update in 2017. The City also participates in the County of Riverside Multi-Jurisdictional Local Hazard Mitigation Plan (MJLHMP), which was updated in 2023.

The primary evacuation routes in Rancho Mirage are the I-10 and Highway 111. Arterial roads in the City provide secondary evacuation routes, including Bob Hope Drive, which bounds the Project to the west, and Gerald Ford Drive, which bounds the Project to the south. The primary point of Project ingress/egress will be at the north of the site, onto Via Marta. A secondary driveway will provide access to the site from Gerald Ford Drive. These ingress/egress points would provide access to the Project in case of an emergency. The Project does not propose modifications to the surrounding arterial roads that impede their use for emergency evacuation. The proposed development is also not anticipated to result in any impediment to the implementation of the LHMP or MJLHMP. No impacts are anticipated.

**b,c) NO IMPACT:**

The Project vicinity is urbanized, has relatively flat topography, and is not designated as a moderate, high, or very high wildfire hazard severity zone. It is not anticipated that the proposed development would have any impacts that could exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire. The Project also does not propose the installation or maintenance of infrastructure that may exacerbate fire risk. No impacts are anticipated.

**d) IMPACT:**

The Project site is located on the floor of the Coachella Valley, in an area with relatively flat topography. The proposed development would therefore not result flooding or landslides as a result of runoff, post-fire slope instability, or drainage changes. There would be no impact.

*20.3 Mitigation Measures:* None required.

## 21 - Mandatory Findings of Significance

| MANDATORY FINDINGS OF SIGNIFICANCE | Potentially Significant Impact | Less Than Significant with Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | ☐ | ☒ | ☐ | ☐ |
| b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? | ☐ | ☐ | ☒ | ☐ |
| c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly? | ☐ | ☐ | ☒ | ☐ |

*21.1 Discussion of Impacts:*

**a) LESS THAN SIGNIFICANT IMPACT WITH MITIGATION:**

Biological Resources: The project site is not located within a CVMSHCP-designated conservation area and does not contain any wildlife corridors or biological linkage areas. However, on-site vegetation could provide habitat for nesting birds; therefore, a pre-construction survey will be required to avoid impacts to nesting birds covered by the MBTA and to burrowing owl. A pre-construction survey will also be required for Crotch's bumble bee. In addition, the site is subject to payment of the Development Mitigation Fee to mitigate potential impacts to covered species under the CVMSHCP.

The Proposed Project will not significantly reduce fish or wildlife habitat or otherwise adversely impact a fish or wildlife species. The construction of the project has the potential to impact nesting birds, but the mitigation measures included in this document will reduce those impacts to less than significant levels.

Cultural Resources: No cultural resources are known to exist within or adjacent to the project site. Since the project will require excavation, there is a small potential for unknown resources to be uncovered. Mitigation measures provided in this document will ensure that impacts to cultural and/or tribal resources are less than significant in the unlikely event that resources are discovered during project development.

Overall, there will be no significant environmental impacts which cannot be mitigated. Project related impacts, including cumulative impacts, are considered less than significant.

**b) LESS THAN SIGNIFICANT IMPACT:**

A significant impact could occur if the Proposed Project, in conjunction with related projects, would result in impacts that would be less than significant when viewed separately, but would be significant when viewed together. Here, however, the impacts of the Proposed Project are individually limited and not cumulatively considerable.

The Proposed Project is consistent with the development envisioned for this area of the City in its General Plan. The project will comply with the maximum site coverage and FAR assigned to the property, and thus will not significantly intensify land use in the area beyond what is envisioned in the City's General Plan. All environmental impacts that could occur as a result of the proposed Project would be less than significant with the implementation of mitigation measures included herein, and when viewed in conjunction with other closely related past, present or reasonably foreseeable future projects, would not be significant.

**c) LESS THAN SIGNIFICANT IMPACT:**

The proposed Project will not have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly, with the implementation of the City's Municipal Code, other standard requirements and requirements of law, and the mitigation measures included in this document.

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# CHAPTER 3: MITIGATION MONITORING AND REPORTING PROGRAM

**Table 19**
**Mitigation Monitoring and Reporting Program**

| Mitigation Measure | Responsible Agency | Timing | Verification (Date and Initials) |
|---|---|---|---|
| **BIOLOGICAL RESOURCES** | | | |
| **BIO-1** Crotch's bumble bee: If vegetation removal and soil disturbance associated with construction activities will occur during the known flight season for Crotch's bumble bee (March to July), then a protocol survey must be conducted. If these activities will occur outside of the bee's flight season, then species can be avoided, and no mitigation or monitoring is necessary.<br><br>**BIO-2** Burrowing owl: A pre-construction take avoidance survey shall be conducted to confirm that no burrowing owl occur on the Project site. The pre-construction survey must follow CDFG's Staff Report for Burrowing Owls (2012), and must be conducted by a qualified biologist. Unless avoidable, all burrowing owls present must be relocated prior to any on-site ground disturbing activities. Relocation will require prior permission from CDFW, at a minimum.<br><br>**BIO-3** Nesting birds: If Project-related disturbance (i.e., grading, vegetation removal, operation of heavy equipment, construction, etc.) cannot be avoided during the nesting season (February 1 to August 31), then a nesting bird clearance survey must be conducted by a qualified ornithologist or biologist immediately prior to scheduled on-site disturbance. If nesting birds are found, no-work buffer zones of about 100 to 300 feet for unlisted songbirds and 500 feet for listed songbirds and raptors must be established and observed until young have fledged. | Project Proponent<br><br>Project Biologist<br><br>Planning Department | The Project Proponent shall provide the City with pre-construction surveys prior to the issuance of any permit to allow ground disturbance. | |
| **CULTURAL RESOURCES** | | | |
| **CUL-1** An approved ACBCI Native American Cultural Resource Monitor shall be on-site during pre-construction phases of the Project including all earth moving activities such as grubbing, grading, trenching, and excavation. If unanticipated cultural materials are discovered during earth-moving operations associated with the project, all work in the area shall be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds. | Project Proponent<br><br>Project Archaeologist<br><br>Planning Department<br><br>City Engineer | If resources are uncovered during construction, a report of findings shall be submitted to the City, as well as the Agua Caliente Band of Cahuilla Indians and the Augustine Band of Cahuilla Indians. The report shall include an itemized inventory of the identified cultural materials, and | |

| | | | |
|---|---|---|---|
| | | upon completion of the field and laboratory work, an analysis of any recovered artifacts. It shall be submitted to the City and Tribes within 30 days of completion of grading activities. | |
| **GEOLOGY AND SOILS** | | | |
| **GEO-1** Remedial Grading: Remedial grading shall be conducted under building areas. Excavation and recompaction within the building envelope shall extend laterally for 10 feet beyond the building limits and to a minimum depth of eight to ten feet below the existing grade. All other recommendations provided in the Geotechnical Report prepared for the Project shall be implemented. | Project Proponent<br>Project Engineer<br>Planning Department<br>City Engineer | Prior to the issuance of any permit to allow ground disturbance on the subject site, the Project Proponent shall provide the City with engineering reports. | |
| **TRIBAL CULTURAL RESOURCES**<br>**(See Cultural Resources above)** | | | |
| | | | |

# CHAPTER 4: REFERENCES

2020 Coachella Valley Regional Urban Water Management Plan (June 2021).

AHC-Skilled Nursing Facility Noise and Vibration Analysis prepared by Urban Crossroads (August 2023).

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Preliminary Water Quality Management Plan for Skilled Nursing Facility, prepared by Michael Baker International (October 2023).

Rancho Mirage Greenhouse Gas Inventory (September 2012).

Rancho Mirage Sustainability Plan (March 2013).

SCAG 2020-205 RTP/SCS Demographics and Growth Forecast Technical Report (September 2020).

SCAQMD 2022 AQMP (December 2022).

SCAQMD Final Localized Significance Threshold Methodology (July 2008).

Skilled Nursing Facility Preliminary Hydrology Study, prepared by Michael Baker International (October 2023).

U.S. Census Bureau, 2020 Decennial Census; Southern California Association of Governments 2020-2045 RTP/SCS.

U.S. Census Bureau, American Community Survey 5-year estimates (2021).

Water Supply Assessment for the Kaiser Permanente Los Angeles Medical Center Project Water Supply Assessment (December 2018), https://files.ceqanet.opr.ca.gov/177816-2/attachment/YlWklMKNrMw9MZyaktcciBSpuwtSgWewvjfLUHrDdvCwF_aktmyimJa-IC6xdIGEDbSRh_PCN-Ht9NWL0 (accessed October 2023).

# CHAPTER 5: APPENDICES

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|---|---|
| Appendix A | CalEEMod Output Tables |
| Appendix B | Biological Resources Assessment & CVMSHCP Consistency Analysis Report |
| Appendix C | Geotechnical Investigation |
| Appendix D | Historical Archaeological Resources Survey Report |
| Appendix E | Noise and Vibration Analysis |
| Appendix F | Preliminary Hydrology Study |
| Appendix G | Preliminary Water Quality Management Plan |

# CHAPTER 6: REPORT PREPARERS

## Lead Agency

City of Rancho Mirage

# AHC Skilled Nursing Facility Detailed Report

## Table of Contents

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | AHC Skilled Nursing Facility |
| Construction Start Date | 1/1/2024 |
| Operational Year | 2025 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 3.30 |
| Precipitation (days) | 0.80 |
| Location | 33.78822623475921, -116.40531499688039 |
| County | Riverside-Salton Sea |
| City | Rancho Mirage |
| Air District | South Coast AQMD |
| Air Basin | Salton Sea |
| TAZ | 5671 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.20 |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Hospital | 46.0 | Bed | 4.00 | 40,966 | 12,432 | — | — | — |
| Parking Lot | 163 | Space | 0.78 | 0.00 | 0.00 | — | — | — |
| Medical Office Building | 10.0 | 1000sqft | 0.97 | 10,000 | 0.00 | — | — | — |

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

# 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.65 | 2.25 | 19.5 | 26.5 | 0.04 | 0.89 | 0.48 | 1.37 | 0.82 | 0.12 | 0.94 | — | 4,653 | 4,653 | 0.18 | 0.08 | 2.50 | 4,686 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.43 | 6.95 | 36.1 | 34.0 | 0.05 | 1.60 | 2.98 | 3.82 | 1.47 | 1.39 | 2.16 | — | 5,522 | 5,522 | 0.23 | 0.09 | 0.07 | 5,543 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.50 | 1.79 | 11.3 | 14.0 | 0.02 | 0.50 | 0.40 | 0.90 | 0.46 | 0.13 | 0.60 | — | 2,590 | 2,590 | 0.10 | 0.05 | 0.58 | 2,608 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.27 | 0.33 | 2.07 | 2.55 | < 0.005 | 0.09 | 0.07 | 0.17 | 0.08 | 0.02 | 0.11 | — | 429 | 429 | 0.02 | 0.01 | 0.10 | 432 |
| Exceeds (Daily Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Threshol | — | 75.0 | 100 | 550 | 150 | — | — | 150 | — | — | 99.0 | — | — | — | — | — | — | — |
| Unmit. | — | No | No | No | No | — | — | No | — | — | No | — | — | Yes | — | — | — | Yes |
| Exceeds (Average Daily) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshol d | — | 75.0 | 100 | 550 | 150 | — | — | 150 | — | — | 99.0 | — | — | — | — | — | — | — |
| Unmit. | — | No | No | No | No | — | — | No | — | — | No | — | — | Yes | — | — | — | Yes |

## 2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 2.65 | 2.25 | 19.5 | 26.5 | 0.04 | 0.89 | 0.48 | 1.37 | 0.82 | 0.12 | 0.94 | — | 4,653 | 4,653 | 0.18 | 0.08 | 2.50 | 4,686 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 4.43 | 6.95 | 36.1 | 34.0 | 0.05 | 1.60 | 2.98 | 3.82 | 1.47 | 1.39 | 2.16 | — | 5,522 | 5,522 | 0.23 | 0.09 | 0.07 | 5,543 |
| 2025 | 2.62 | 6.80 | 19.3 | 26.2 | 0.04 | 0.81 | 0.52 | 1.33 | 0.75 | 0.13 | 0.87 | — | 4,744 | 4,744 | 0.19 | 0.09 | 0.06 | 4,774 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 1.50 | 1.79 | 11.3 | 14.0 | 0.02 | 0.50 | 0.40 | 0.90 | 0.46 | 0.13 | 0.60 | — | 2,590 | 2,590 | 0.10 | 0.05 | 0.58 | 2,608 |
| 2025 | 0.45 | 1.16 | 3.28 | 4.53 | 0.01 | 0.14 | 0.09 | 0.23 | 0.13 | 0.02 | 0.15 | — | 813 | 813 | 0.03 | 0.01 | 0.18 | 818 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 0.27 | 0.33 | 2.07 | 2.55 | < 0.005 | 0.09 | 0.07 | 0.17 | 0.08 | 0.02 | 0.11 | — | 429 | 429 | 0.02 | 0.01 | 0.10 | 432 |
| 2025 | 0.08 | 0.21 | 0.60 | 0.83 | < 0.005 | 0.03 | 0.02 | 0.04 | 0.02 | < 0.005 | 0.03 | — | 135 | 135 | 0.01 | < 0.005 | 0.03 | 135 |

## 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.18 | 5.83 | 9.27 | 45.3 | 0.11 | 0.38 | 7.58 | 7.96 | 0.38 | 1.92 | 2.30 | 141 | 13,403 | 13,544 | 14.6 | 0.44 | 32.6 | 14,073 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.33 | 5.02 | 9.59 | 29.4 | 0.10 | 0.38 | 7.58 | 7.96 | 0.38 | 1.92 | 2.30 | 141 | 12,315 | 12,456 | 14.6 | 0.45 | 1.16 | 12,957 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.54 | 3.42 | 4.51 | 25.8 | 0.08 | 0.15 | 6.20 | 6.35 | 0.14 | 1.57 | 1.72 | 141 | 10,364 | 10,504 | 14.6 | 0.37 | 11.7 | 10,989 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.46 | 0.62 | 0.82 | 4.71 | 0.01 | 0.03 | 1.13 | 1.16 | 0.03 | 0.29 | 0.31 | 23.3 | 1,716 | 1,739 | 2.41 | 0.06 | 1.94 | 1,819 |
| Exceeds (Daily Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 55.0 | 55.0 | 550 | 150 | — | — | 150 | — | — | 55.0 | — | — | — | — | — | — | — |
| Unmit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |
| Exceeds (Average Daily) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 55.0 | 55.0 | 550 | 150 | — | — | 150 | — | — | 55.0 | — | — | — | — | — | — | — |
| Unmit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |
| Exceeds (Annual) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmit. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | No |

## 2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 2.77 | 2.44 | 3.60 | 38.0 | 0.09 | 0.06 | 7.58 | 7.64 | 0.06 | 1.92 | 1.98 | — | 9,517 | 9,517 | 0.28 | 0.39 | 32.3 | 9,672 |
| Area | 0.39 | 1.59 | 0.02 | 2.22 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 9.12 | 9.12 | < 0.005 | < 0.005 | — | 9.15 |
| Energy | 0.08 | 0.04 | 0.73 | 0.62 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 2,938 | 2,938 | 0.21 | 0.02 | — | 2,949 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 10.3 | 38.3 | 48.6 | 1.06 | 0.03 | — | 82.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 131 | 0.00 | 131 | 13.1 | 0.00 | — | 457 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.32 | 0.32 |
| Stationary | 1.93 | 1.76 | 4.92 | 4.49 | 0.01 | 0.26 | 0.00 | 0.26 | 0.26 | 0.00 | 0.26 | 0.00 | 900 | 900 | 0.04 | 0.01 | 0.00 | 903 |
| Total | 5.18 | 5.83 | 9.27 | 45.3 | 0.11 | 0.38 | 7.58 | 7.96 | 0.38 | 1.92 | 2.30 | 141 | 13,403 | 13,544 | 14.6 | 0.44 | 32.6 | 14,073 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 2.32 | 2.00 | 3.94 | 24.3 | 0.08 | 0.06 | 7.58 | 7.64 | 0.06 | 1.92 | 1.98 | — | 8,438 | 8,438 | 0.29 | 0.40 | 0.84 | 8,565 |
| Area | — | 1.23 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.08 | 0.04 | 0.73 | 0.62 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 2,938 | 2,938 | 0.21 | 0.02 | — | 2,949 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 10.3 | 38.3 | 48.6 | 1.06 | 0.03 | — | 82.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 131 | 0.00 | 131 | 13.1 | 0.00 | — | 457 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.32 | 0.32 |
| Stationary | 1.93 | 1.76 | 4.92 | 4.49 | 0.01 | 0.26 | 0.00 | 0.26 | 0.26 | 0.00 | 0.26 | 0.00 | 900 | 900 | 0.04 | 0.01 | 0.00 | 903 |
| Total | 4.33 | 5.02 | 9.59 | 29.4 | 0.10 | 0.38 | 7.58 | 7.96 | 0.38 | 1.92 | 2.30 | 141 | 12,315 | 12,456 | 14.6 | 0.45 | 1.16 | 12,957 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 2.00 | 1.74 | 3.10 | 23.5 | 0.07 | 0.05 | 6.20 | 6.26 | 0.05 | 1.57 | 1.62 | — | 7,259 | 7,259 | 0.23 | 0.32 | 11.4 | 7,372 |
| Area | 0.19 | 1.40 | 0.01 | 1.09 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 4.50 | 4.50 | < 0.005 | < 0.005 | — | 4.51 |
| Energy | 0.08 | 0.04 | 0.73 | 0.62 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 2,938 | 2,938 | 0.21 | 0.02 | — | 2,949 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 10.3 | 38.3 | 48.6 | 1.06 | 0.03 | — | 82.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 131 | 0.00 | 131 | 13.1 | 0.00 | — | 457 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.32 | 0.32 | |
| Stationary | 0.26 | 0.24 | 0.67 | 0.61 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 123 | 123 | < 0.005 | < 0.005 | 0.00 | 124 |
| Total | 2.54 | 3.42 | 4.51 | 25.8 | 0.08 | 0.15 | 6.20 | 6.35 | 0.14 | 1.57 | 1.72 | 141 | 10,364 | 10,504 | 14.6 | 0.37 | 11.7 | 10,989 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.36 | 0.32 | 0.56 | 4.29 | 0.01 | 0.01 | 1.13 | 1.14 | 0.01 | 0.29 | 0.30 | — | 1,202 | 1,202 | 0.04 | 0.05 | 1.89 | 1,221 |
| Area | 0.04 | 0.26 | < 0.005 | 0.20 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 0.74 | 0.74 | < 0.005 | < 0.005 | — | 0.75 |
| Energy | 0.01 | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 487 | 487 | 0.03 | < 0.005 | — | 488 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 1.71 | 6.34 | 8.05 | 0.18 | < 0.005 | — | 13.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 21.6 | 0.00 | 21.6 | 2.16 | 0.00 | — | 75.6 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.05 | 0.05 | |
| Stationary | 0.05 | 0.04 | 0.12 | 0.11 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 20.4 | 20.4 | < 0.005 | < 0.005 | 0.00 | 20.5 |
| Total | 0.46 | 0.62 | 0.82 | 4.71 | 0.01 | 0.03 | 1.13 | 1.16 | 0.03 | 0.29 | 0.31 | 23.3 | 1,716 | 1,739 | 2.41 | 0.06 | 1.94 | 1,819 |

# 3. Construction Emissions Details

## 3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 4.34 | 3.65 | 36.0 | 32.9 | 0.05 | 1.60 | — | 1.60 | 1.47 | — | 1.47 | — | 5,296 | 5,296 | 0.21 | 0.04 | — | 5,314 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.10 | 0.99 | 0.90 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 145 | 145 | 0.01 | < 0.005 | — | 146 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.02 | 0.18 | 0.16 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 24.0 | 24.0 | < 0.005 | < 0.005 | — | 24.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.07 | 0.11 | 1.03 | 0.00 | 0.00 | 0.23 | 0.23 | 0.00 | 0.05 | 0.05 | — | 226 | 226 | 0.01 | 0.01 | 0.03 | 229 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.62 | 6.62 | < 0.005 | < 0.005 | 0.01 | 6.71 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.10 | 1.10 | < 0.005 | < 0.005 | < 0.005 | 1.11 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.26 | 1.90 | 18.2 | 18.8 | 0.03 | 0.84 | — | 0.84 | 0.77 | — | 0.77 | — | 2,958 | 2,958 | 0.12 | 0.02 | — | 2,969 |
| Dust From Material Movement | — | — | — | — | — | — | 2.76 | 2.76 | — | 1.34 | 1.34 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.10 | 1.00 | 1.03 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 162 | 162 | 0.01 | < 0.005 | — | 163 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 0.15 | 0.15 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.02 | 0.18 | 0.19 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 26.8 | 26.8 | < 0.005 | < 0.005 | — | 26.9 |
| Dust From Material Movement | — | — | — | — | — | — | 0.03 | 0.03 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.09 | 0.88 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 194 | 194 | 0.01 | 0.01 | 0.02 | 196 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.09 | 0.02 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | — | 76.5 | 76.5 | < 0.005 | 0.01 | < 0.005 | 80.1 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11.3 | 11.3 | < 0.005 | < 0.005 | 0.02 | 11.5 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 4.19 | 4.19 | < 0.005 | < 0.005 | < 0.005 | 4.39 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.88 | 1.88 | < 0.005 | < 0.005 | < 0.005 | 1.90 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 0.69 | 0.69 | < 0.005 | < 0.005 | < 0.005 | 0.73 |

## 3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.44 | 1.20 | 11.2 | 13.1 | 0.02 | 0.50 | — | 0.50 | 0.46 | — | 0.46 | — | 2,398 | 2,398 | 0.10 | 0.02 | — | 2,406 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.44 | 1.20 | 11.2 | 13.1 | 0.02 | 0.50 | — | 0.50 | 0.46 | — | 0.46 | — | 2,398 | 2,398 | 0.10 | 0.02 | — | 2,406 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.91 | 0.76 | 7.11 | 8.32 | 0.01 | 0.32 | — | 0.32 | 0.29 | — | 0.29 | — | 1,520 | 1,520 | 0.06 | 0.01 | — | 1,525 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.17 | 0.14 | 1.30 | 1.52 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 252 | 252 | 0.01 | < 0.005 | — | 253 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.10 | 0.09 | 0.09 | 1.69 | 0.00 | 0.00 | 0.21 | 0.21 | 0.00 | 0.05 | 0.05 | — | 248 | 248 | 0.01 | 0.01 | 0.92 | 251 |
| Vendor | 0.01 | 0.01 | 0.29 | 0.13 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 269 | 269 | < 0.005 | 0.04 | 0.73 | 281 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.07 | 0.10 | 0.96 | 0.00 | 0.00 | 0.21 | 0.21 | 0.00 | 0.05 | 0.05 | — | 211 | 211 | 0.01 | 0.01 | 0.02 | 213 |
| Vendor | 0.01 | 0.01 | 0.32 | 0.13 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 269 | 269 | < 0.005 | 0.04 | 0.02 | 280 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.05 | 0.06 | 0.76 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 143 | 143 | 0.01 | 0.01 | 0.25 | 145 |
| Vendor | 0.01 | 0.01 | 0.20 | 0.08 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 171 | 171 | < 0.005 | 0.02 | 0.20 | 178 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.14 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.01 | 0.01 | — | 23.6 | 23.6 | < 0.005 | < 0.005 | 0.04 | 24.0 |
| Vendor | < 0.005 | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 28.2 | 28.2 | < 0.005 | < 0.005 | 0.03 | 29.4 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.35 | 1.13 | 10.4 | 13.0 | 0.02 | 0.43 | — | 0.43 | 0.40 | — | 0.40 | — | 2,398 | 2,398 | 0.10 | 0.02 | — | 2,406 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.19 | 1.78 | 2.22 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 408 | 408 | 0.02 | < 0.005 | — | 410 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.04 | 0.32 | 0.41 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 67.6 | 67.6 | < 0.005 | < 0.005 | — | 67.8 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.09 | 0.88 | 0.00 | 0.00 | 0.21 | 0.21 | 0.00 | 0.05 | 0.05 | — | 206 | 206 | 0.01 | 0.01 | 0.02 | 209 |
| Vendor | 0.01 | 0.01 | 0.30 | 0.13 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 265 | 265 | < 0.005 | 0.04 | 0.02 | 275 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.19 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 37.5 | 37.5 | < 0.005 | < 0.005 | 0.06 | 38.0 |
| Vendor | < 0.005 | < 0.005 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 45.0 | 45.0 | < 0.005 | 0.01 | 0.05 | 46.9 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.21 | 6.21 | < 0.005 | < 0.005 | 0.01 | 6.29 |
| Vendor | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.45 | 7.45 | < 0.005 | < 0.005 | 0.01 | 7.76 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.01 | 0.85 | 7.81 | 10.0 | 0.01 | 0.39 | — | 0.39 | 0.36 | — | 0.36 | — | 1,512 | 1,512 | 0.06 | 0.01 | — | 1,517 |
| Paving | — | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.01 | 0.85 | 7.81 | 10.0 | 0.01 | 0.39 | — | 0.39 | 0.36 | — | 0.36 | — | 1,512 | 1,512 | 0.06 | 0.01 | — | 1,517 |
| Paving | — | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.24 | 0.20 | 1.85 | 2.37 | < 0.005 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 358 | 358 | 0.01 | < 0.005 | — | 359 |
| Paving | — | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.04 | 0.34 | 0.43 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 59.3 | 59.3 | < 0.005 | < 0.005 | — | 59.5 |
| Paving | — | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.08 | 0.09 | 1.55 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 228 | 228 | 0.01 | 0.01 | 0.85 | 231 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.09 | 0.88 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 194 | 194 | 0.01 | 0.01 | 0.02 | 196 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.02 | 0.26 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 49.0 | 49.0 | < 0.005 | < 0.005 | 0.09 | 49.7 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.12 | 8.12 | < 0.005 | < 0.005 | 0.01 | 8.23 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.11. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.95 | 0.80 | 7.45 | 9.98 | 0.01 | 0.35 | — | 0.35 | 0.32 | — | 0.32 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,517 |
| Paving | — | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.16 | 0.14 | 1.27 | 1.70 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 257 | 257 | 0.01 | < 0.005 | — | 258 |
| Paving | — | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03 | 0.02 | 0.23 | 0.31 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 42.6 | 42.6 | < 0.005 | < 0.005 | — | 42.8 |
| Paving | — | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.08 | 0.81 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 190 | 190 | 0.01 | 0.01 | 0.02 | 192 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.17 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 34.5 | 34.5 | < 0.005 | < 0.005 | 0.06 | 34.9 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.01 | 5.79 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.13. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.17 | 0.14 | 0.91 | 1.15 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 4.59 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.02 | 0.10 | 0.13 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 15.2 | 15.2 | < 0.005 | < 0.005 | — | 15.2 |
| Architectural Coatings | — | 0.52 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 2.51 | 2.51 | < 0.005 | < 0.005 | — | 2.52 |
| Architectural Coatings | — | 0.10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.02 | 0.19 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 42.1 | 42.1 | < 0.005 | < 0.005 | < 0.005 | 42.6 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 5.11 | 5.11 | < 0.005 | < 0.005 | 0.01 | 5.18 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.85 | 0.85 | < 0.005 | < 0.005 | < 0.005 | 0.86 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.13 | 0.88 | 1.14 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 4.59 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03 | 0.02 | 0.15 | 0.19 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 22.7 | 22.7 | < 0.005 | < 0.005 | — | 22.8 |
| Architectural Coatings | — | 0.78 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.76 | 3.76 | < 0.005 | < 0.005 | — | 3.78 |
| Architectural Coatings | — | 0.14 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.02 | 0.18 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 41.2 | 41.2 | < 0.005 | < 0.005 | < 0.005 | 41.7 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.50 | 7.50 | < 0.005 | < 0.005 | 0.01 | 7.60 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.24 | 1.24 | < 0.005 | < 0.005 | < 0.005 | 1.26 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | 0.78 | 0.69 | 1.01 | 10.7 | 0.03 | 0.02 | 2.13 | 2.15 | 0.02 | 0.54 | 0.56 | — | 2,678 | 2,678 | 0.08 | 0.11 | 9.09 | 2,722 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Medical Office Building | 1.99 | 1.76 | 2.59 | 27.3 | 0.07 | 0.05 | 5.45 | 5.49 | 0.04 | 1.38 | 1.42 | — | 6,839 | 6,839 | 0.20 | 0.28 | 23.2 | 6,950 |
| Total | 2.77 | 2.44 | 3.60 | 38.0 | 0.09 | 0.06 | 7.58 | 7.64 | 0.06 | 1.92 | 1.98 | — | 9,517 | 9,517 | 0.28 | 0.39 | 32.3 | 9,672 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | 0.65 | 0.56 | 1.11 | 6.83 | 0.02 | 0.02 | 2.13 | 2.15 | 0.02 | 0.54 | 0.56 | — | 2,375 | 2,375 | 0.08 | 0.11 | 0.24 | 2,411 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Medical Office Building | 1.67 | 1.44 | 2.83 | 17.4 | 0.06 | 0.05 | 5.45 | 5.49 | 0.04 | 1.38 | 1.42 | — | 6,063 | 6,063 | 0.21 | 0.29 | 0.60 | 6,155 |
| Total | 2.32 | 2.00 | 3.94 | 24.3 | 0.08 | 0.06 | 7.58 | 7.64 | 0.06 | 1.92 | 1.98 | — | 8,438 | 8,438 | 0.29 | 0.40 | 0.84 | 8,565 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | 0.12 | 0.10 | 0.18 | 1.38 | < 0.005 | < 0.005 | 0.36 | 0.37 | < 0.005 | 0.09 | 0.10 | — | 386 | 386 | 0.01 | 0.02 | 0.61 | 392 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Medical Office Building | 0.25 | 0.22 | 0.38 | 2.91 | 0.01 | 0.01 | 0.77 | 0.77 | 0.01 | 0.19 | 0.20 | — | 816 | 816 | 0.03 | 0.04 | 1.28 | 828 |
| Total | 0.36 | 0.32 | 0.56 | 4.29 | 0.01 | 0.01 | 1.13 | 1.14 | 0.01 | 0.29 | 0.30 | — | 1,202 | 1,202 | 0.04 | 0.05 | 1.89 | 1,221 |

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | — | 1,764 | 1,764 | 0.11 | 0.01 | — | 1,771 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 43.1 | 43.1 | < 0.005 | < 0.005 | — | 43.3 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 254 | 254 | 0.02 | < 0.005 | — | 255 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,062 | 2,062 | 0.13 | 0.02 | — | 2,069 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | — | 1,764 | 1,764 | 0.11 | 0.01 | — | 1,771 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 43.1 | 43.1 | < 0.005 | < 0.005 | — | 43.3 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 254 | 254 | 0.02 | < 0.005 | — | 255 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,062 | 2,062 | 0.13 | 0.02 | — | 2,069 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hospital | — | — | — | — | — | — | — | — | — | — | — | — | 292 | 292 | 0.02 | < 0.005 | — | 293 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 7.14 | 7.14 | < 0.005 | < 0.005 | — | 7.17 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 42.1 | 42.1 | < 0.005 | < 0.005 | — | 42.3 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 341 | 341 | 0.02 | < 0.005 | — | 343 |

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | 0.07 | 0.04 | 0.66 | 0.56 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 788 | 788 | 0.07 | < 0.005 | — | 791 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | 0.01 | < 0.005 | 0.07 | 0.06 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 88.4 | 88.4 | 0.01 | < 0.005 | — | 88.7 |
| Total | 0.08 | 0.04 | 0.73 | 0.62 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 877 | 877 | 0.08 | < 0.005 | — | 879 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | 0.07 | 0.04 | 0.66 | 0.56 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 788 | 788 | 0.07 | < 0.005 | — | 791 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | 0.01 | < 0.005 | 0.07 | 0.06 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 88.4 | 88.4 | 0.01 | < 0.005 | — | 88.7 |
| Total | 0.08 | 0.04 | 0.73 | 0.62 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 877 | 877 | 0.08 | < 0.005 | — | 879 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | 0.01 | 0.01 | 0.12 | 0.10 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 131 | 131 | 0.01 | < 0.005 | — | 131 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 14.6 | 14.6 | < 0.005 | < 0.005 | — | 14.7 |
| Total | 0.01 | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 145 | 145 | 0.01 | < 0.005 | — | 146 |

## 4.3. Area Emissions by Source

### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Source | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 1.09 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 0.13 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.39 | 0.36 | 0.02 | 2.22 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 9.12 | 9.12 | < 0.005 | < 0.005 | — | 9.15 |
| Total | 0.39 | 1.59 | 0.02 | 2.22 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 9.12 | 9.12 | < 0.005 | < 0.005 | — | 9.15 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer Products | — | 1.09 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 0.13 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | 1.23 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 0.20 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 0.02 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.04 | 0.03 | < 0.005 | 0.20 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 0.74 | 0.74 | < 0.005 | < 0.005 | — | 0.75 |
| Total | 0.04 | 0.26 | < 0.005 | 0.20 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 0.74 | 0.74 | < 0.005 | < 0.005 | — | 0.75 |

## 4.4. Water Emissions by Land Use

### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | 7.92 | 29.6 | 37.5 | 0.81 | 0.02 | — | 63.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 2.40 | 8.66 | 11.1 | 0.25 | 0.01 | — | 19.0 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 10.3 | 38.3 | 48.6 | 1.06 | 0.03 | — | 82.7 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | 7.92 | 29.6 | 37.5 | 0.81 | 0.02 | — | 63.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 2.40 | 8.66 | 11.1 | 0.25 | 0.01 | — | 19.0 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 10.3 | 38.3 | 48.6 | 1.06 | 0.03 | — | 82.7 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | 1.31 | 4.90 | 6.21 | 0.13 | < 0.005 | — | 10.5 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 0.40 | 1.43 | 1.83 | 0.04 | < 0.005 | — | 3.15 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1.71 | 6.34 | 8.05 | 0.18 | < 0.005 | — | 13.7 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hospital | — | — | — | — | — | — | — | — | — | — | — | 72.4 | 0.00 | 72.4 | 7.24 | 0.00 | — | 253 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 58.2 | 0.00 | 58.2 | 5.82 | 0.00 | — | 204 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 131 | 0.00 | 131 | 13.1 | 0.00 | — | 457 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | 72.4 | 0.00 | 72.4 | 7.24 | 0.00 | — | 253 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 58.2 | 0.00 | 58.2 | 5.82 | 0.00 | — | 204 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 131 | 0.00 | 131 | 13.1 | 0.00 | — | 457 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | 12.0 | 0.00 | 12.0 | 1.20 | 0.00 | — | 41.9 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 9.64 | 0.00 | 9.64 | 0.96 | 0.00 | — | 33.7 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 21.6 | 0.00 | 21.6 | 2.16 | 0.00 | — | 75.6 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.06 | 0.06 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.26 | 0.26 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.32 | 0.32 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.06 | 0.06 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.26 | 0.26 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.32 | 0.32 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.01 | 0.01 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.04 | 0.04 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.05 | 0.05 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 1.93 | 1.76 | 4.92 | 4.49 | 0.01 | 0.26 | 0.00 | 0.26 | 0.26 | 0.00 | 0.26 | 0.00 | 900 | 900 | 0.04 | 0.01 | 0.00 | 903 |
| Total | 1.93 | 1.76 | 4.92 | 4.49 | 0.01 | 0.26 | 0.00 | 0.26 | 0.26 | 0.00 | 0.26 | 0.00 | 900 | 900 | 0.04 | 0.01 | 0.00 | 903 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 1.93 | 1.76 | 4.92 | 4.49 | 0.01 | 0.26 | 0.00 | 0.26 | 0.26 | 0.00 | 0.26 | 0.00 | 900 | 900 | 0.04 | 0.01 | 0.00 | 903 |
| Total | 1.93 | 1.76 | 4.92 | 4.49 | 0.01 | 0.26 | 0.00 | 0.26 | 0.26 | 0.00 | 0.26 | 0.00 | 900 | 900 | 0.04 | 0.01 | 0.00 | 903 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency | 0.05 | 0.04 | 0.12 | 0.11 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 20.4 | 20.4 | < 0.005 | < 0.005 | 0.00 | 20.5 |
| Total | 0.05 | 0.04 | 0.12 | 0.11 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 20.4 | 20.4 | < 0.005 | < 0.005 | 0.00 | 20.5 |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|---|---|---|---|---|---|---|
| Site Preparation | Site Preparation | 1/1/2024 | 1/12/2024 | 5.00 | 10.0 | — |
| Grading | Grading | 1/15/2024 | 2/9/2024 | 5.00 | 20.0 | — |
| Building Construction | Building Construction | 2/12/2024 | 3/28/2025 | 5.00 | 295 | — |
| Paving | Paving | 9/2/2024 | 3/28/2025 | 5.00 | 150 | — |
| Architectural Coating | Architectural Coating | 11/4/2024 | 3/28/2025 | 5.00 | 105 | — |

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | Diesel | Average | 3.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 4.00 | 8.00 | 84.0 | 0.37 |
| Grading | Excavators | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Grading | Graders | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 3.00 | 8.00 | 84.0 | 0.37 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 7.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Paving | Pavers | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving | Paving Equipment | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Site Preparation | — | — | — | — |
| Site Preparation | Worker | 17.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Site Preparation | Hauling | 0.00 | 20.0 | HHDT |
| Site Preparation | Onsite truck | — | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Grading | Hauling | 1.10 | 20.0 | HHDT |
| Grading | Onsite truck | — | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 16.3 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 8.35 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | — | 10.2 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 3.26 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 5.5. Architectural Coatings

| Phase Name | Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 76,449 | 25,483 | 2,026 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Grading | 170 | — | 20.0 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 2 | 61% | 61% |

## 5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|
| Hospital | 0.00 | 0% |
| Parking Lot | 0.78 | 100% |
| Medical Office Building | 0.00 | 0% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2024 | 0.00 | 532 | 0.03 | < 0.005 |
| 2025 | 0.00 | 532 | 0.03 | < 0.005 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Hospital | 141 | 111 | 107 | 48,128 | 3,017 | 2,375 | 2,289 | 1,029,782 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Medical Office Building | 360 | 138 | 11.4 | 101,637 | 7,703 | 2,948 | 244 | 2,174,716 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|
| 0 | 0.00 | 76,449 | 25,483 | 2,026 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 180 |

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| Hospital | 1,210,498 | 532 | 0.0330 | 0.0040 | 2,460,156 |
| Parking Lot | 29,584 | 532 | 0.0330 | 0.0040 | 0.00 |
| Medical Office Building | 174,432 | 532 | 0.0330 | 0.0040 | 275,867 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Hospital | 4,131,428 | 233,294 |
| Parking Lot | 0.00 | 0.00 |
| Medical Office Building | 1,254,805 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Hospital | 134 | — |
| Parking Lot | 0.00 | — |
| Medical Office Building | 108 | — |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| Hospital | Chillers | R-134a | 1,430 | < 0.005 | 2.00 | 2.00 | 23.0 |
| Hospital | Household refrigerators and/or freezers | R-134a | 1,430 | < 0.005 | 0.60 | 0.00 | 1.00 |
| Hospital | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | < 0.005 | 1.00 | 0.00 | 1.00 |
| Hospital | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Medical Office Building | Household refrigerators and/or freezers | R-134a | 1,430 | 0.45 | 0.60 | 0.00 | 1.00 |
| Medical Office Building | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|---|---|---|---|---|---|---|
| Emergency Generator | Diesel | 1.00 | 2.00 | 100 | 536 | 0.73 |

### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|---|---|---|---|---|---|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|---|---|

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

| Climate Hazard | Result for Project Location | Unit |
|---|---|---|
| Temperature and Extreme Heat | 23.4 | annual days of extreme heat |
| Extreme Precipitation | 0.00 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Flooding | N/A | N/A | N/A | N/A |
| Drought | 0 | 0 | 0 | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | N/A | N/A | N/A | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 1 | 1 | 2 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | 1 | 1 | 1 | 2 |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | N/A | N/A | N/A | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 88.7 |
| AQ-PM | 7.34 |
| AQ-DPM | 43.4 |
| Drinking Water | 45.4 |
| Lead Risk Housing | 1.31 |
| Pesticides | 0.00 |
| Toxic Releases | 3.08 |
| Traffic | 64.6 |
| Effect Indicators | — |
| CleanUp Sites | 0.00 |
| Groundwater | 0.00 |
| Haz Waste Facilities/Generators | 43.3 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 0.00 |
| Sensitive Population | — |
| Asthma | 20.9 |
| Cardio-vascular | 16.5 |
| Low Birth Weights | 20.3 |
| Socioeconomic Factor Indicators | — |
| Education | 25.9 |
| Housing | 86.8 |
| Linguistic | 7.38 |
| Poverty | 21.5 |

| | |
|---|---|
| Unemployment | 4.23 |

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Economic | — |
| Above Poverty | 47.56833055 |
| Employed | 15.56525087 |
| Median HI | 74.56691903 |
| Education | — |
| Bachelor's or higher | 65.96945977 |
| High school enrollment | 100 |
| Preschool enrollment | 48.45374054 |
| Transportation | — |
| Auto Access | 37.4566919 |
| Active commuting | 25.81804183 |
| Social | — |
| 2-parent households | 97.56191454 |
| Voting | 86.88566662 |
| Neighborhood | — |
| Alcohol availability | 82.80508148 |
| Park access | 2.194276915 |
| Retail density | 35.17259079 |
| Supermarket access | 45.92583087 |
| Tree canopy | 17.8108559 |
| Housing | — |
| Homeownership | 83.62633132 |

| | |
|---|---|
| Housing habitability | 22.35339407 |
| Low-inc homeowner severe housing cost burden | 25.38175286 |
| Low-inc renter severe housing cost burden | 6.274862056 |
| Uncrowded housing | 70.21686129 |
| Health Outcomes | — |
| Insured adults | 97.45925831 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 80.6 |
| High Blood Pressure | 0.0 |
| Cancer (excluding skin) | 0.0 |
| Asthma | 0.0 |
| Coronary Heart Disease | 0.0 |
| Chronic Obstructive Pulmonary Disease | 0.0 |
| Diagnosed Diabetes | 0.0 |
| Life Expectancy at Birth | 94.6 |
| Cognitively Disabled | 39.7 |
| Physically  Disabled | 49.3 |
| Heart Attack ER Admissions | 64.0 |
| Mental Health Not Good | 0.0 |
| Chronic Kidney Disease | 0.0 |
| Obesity | 0.0 |
| Pedestrian Injuries | 19.6 |
| Physical Health Not Good | 0.0 |
| Stroke | 0.0 |
| Health Risk Behaviors | — |
| Binge Drinking | 0.0 |
| Current Smoker | 0.0 |

| | |
|---|---|
| No Leisure Time for Physical Activity | 0.0 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 79.8 |
| Elderly | 0.9 |
| English Speaking | 70.5 |
| Foreign-born | 10.7 |
| Outdoor Workers | 98.2 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 47.2 |
| Traffic Density | 47.5 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 34.9 |
| Other Decision Support | — |
| 2016 Voting | 92.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 7.00 |
| Healthy Places Index Score for Project Location (b) | 56.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | No |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

| Screen | Justification |
|---|---|
| Land Use | Per Project site plans, proposed 46 bed skilled nursing facility will be 40,966.4 SF, 163 parking spaces, with 12,432 SF of landscaping on 5.67 AC site. |
| Construction: Demolition | No demolition will be required, site is currently vacant and undeveloped. |
| Construction: Construction Phases | No demolition will be required; the site is currently vacant and undeveloped. Assumes that building construction, paving, and architectural coating will occur as overlapping phases. |
| Operations: Vehicle Data | Trip generation rates per ITE Trip Generation Manuel 11th Ed, for land use code 620 (Nursing Home): Average 141 weekday daily trips, 107 trips on Sat., 111 trips on Sun; and land use code 720 (Medical-Dental Office): average of 360 weekday/138 Sat./11 Sun. trips generated. |
| Construction: Dust From Material Movement | Material import will occur during grading phase. |

# *DRAFT* BIOLOGICAL RESOURCES ASSESSMENT & COACHELLA VALLEY MULTIPLE SPECIES HABITAT CONSERVATION PLAN CONSISTENCY ANALYSIS REPORT

## BOB HOPE DRIVE & GERALD FORD DRIVE SKILLED NURSING FACILITY PROJECT

**Assessor's Parcel Numbers: 685-120-003 (3.11 acres) & 685-120-004 (2.56 acres)**

Rancho Mirage
Riverside County
California

Submitted to:
**Terra Nova Planning and Research**
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Palm Springs, CA 92211

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Submitted by:
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04 October 2023

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# 1.0 INTRODUCTION

At the request of Terra Nova Planning & Research, this biological resources assessment report (BRAR) and Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP) consistency analysis was prepared by WSP USA Environment & Infrastructure, Inc. (WSP USA) for the proposed development of a skilled nursing facility (project) on the 6-acre site (site) in Rancho Mirage, Riverside County, California (Appendix C, Figure 1). Information contained herein is intended to be used for compliance with the CVMSHCP, the California Environmental Quality Act (CEQA) and other relevant environmental regulations.

# 2.0 SITE / PROJECT DESCRIPTION

The approximate 6-acre site is located at the northeast junction of Bob Hope Drive and Gerald Ford Drive in Rancho Mirage, Riverside County, California. The Assessor's Parcel Numbers (APNs) are APN 685-120-003 (3.11 acres) and APN 685-120-004 (2.56 acres). The site is currently zoned as "Vacant Commercial" by the Riverside County Assessor, County Clerk and Recorders website. It is also located within Section 30, Township 4 South, Range 6 East, United States Geological Survey (USGS) 7.5' Cathedral City, Calif. Quadrangle. Elevations range between approximately 91 meters (m) (300 feet [ft]) above mean sea level (Appendix C, Figure 2).

The proposed project includes the development of new skilled nursing facility on the approximate 6-acre vacant, undeveloped site.

# 3.0 REGULATORY FRAMEWORK

## 3.1 Federal Endangered Species Act

The United States Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service are the designated federal agencies accountable for administering the federal Endangered Species Act (FESA). The FESA defines species as "endangered" or "threatened" and provides regulatory protection at the federal level.

- Section 9 of the FESA prohibits the "take" of listed (i.e., endangered or threatened) species. The FESA definition of take is "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in such conduct." Recognizing that take cannot always be avoided, Section 10(a) includes provisions for take that is incidental to, but not the purpose of, otherwise lawful activities. Specifically, Section 10(a)(1)(A) permits (authorized take permits) are issued for scientific purposes Section 10(a)(1)(B) permits (incidental take permits) are issued for the incidental take of listed species that does not jeopardize the species.

- Section 7 (a)(2) requires federal agencies to evaluate the proposed project with respect to listed or proposed listed, species and their respective critical habitat (if applicable). Federal agencies must employ programs for the conservation of listed species and are prohibited from authorizing, funding, or carrying out any action that would jeopardize a listed species or destroy or modify its "critical habitat." As defined by the FESA, "individuals, organizations, states, local governments, and other nonfederal entities are affected by the designation of critical habitat only if their actions occur on federal lands, require a federal permit, license, or other authorization, or involve federal funding.
- Section 10(a) of the FESA authorizes the issuance of incidental take permits and establishes standards for the content of habitat conservation plans (HCP). The CVMSHCP is an HCP, see discussion below.

### 3.2 Federal Migratory Bird Treaty Act

Treaties signed by the United States, Great Britain, Mexico, Japan and the countries of the former Soviet Union make it unlawful to pursue, capture, kill, and/or possess, or attempt to engage in any such conduct to any migratory bird, nest, egg or parts thereof listed in this document. The Secretary of the Interior can issue permits for incidental take of migratory bird species. The Migratory Bird Treaty Act (MBTA) also allows the Secretary of the Interior to grant permits for specific actions for the incidental take of these protected migratory bird species, but this rarely occurs.

### 3.3 Clean Water Act

The United States Army Corps of Engineers (USACE) regulates the discharge of dredged or fill material in waters of the United States (WUS) pursuant to Section 404 of the Clean Water Act (CWA). The CWA regulations (33 CFR 328.3[a]) define WUS as follows:

- All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide.

- All interstate waters including interstate wetlands.

- All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters: (i) Which are or could be used by interstate or foreign travelers for recreational or other purposes; or (ii) From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or (iii) Which are used or could be used for industrial purpose by industries in interstate commerce;

- All impoundments of waters otherwise defined as WUS under the definition.
- Relatively permanent waters that are Tributary to WUS.
- The territorial seas.
- Wetlands adjacent to WUS (other than waters that are themselves wetlands).

The USACE delineates non-wetland waters in the Arid West Region by identifying the ordinary high-water mark (OHWM) in intermittent channels (USACE 2008a). The OHWM is defined in 33 CFR 328.3(e) as:

> "…that line on the shore established by the fluctuations of water and indicated by physical characteristics such as clear, natural line impresses on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas."

Identification of the OHWM involves assessments of stream geomorphology and vegetation response to the dominant stream discharge. Determining whether any non-wetland water is a jurisdictional WUS involves further assessment in accordance with the regulations, case law, and clarifying guidance as discussed below.

Wetlands are defined at 33 CFR 328.3(b) as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas."

Special aquatic sites are geographic areas, large or small, possessing special ecological characteristics of productivity, habitat, wildlife protection, or other important and easily disrupted ecological values. These areas are generally recognized as significantly influencing or positively contributing to the general overall environmental health or vitality of the entire ecosystem of a region. Special aquatic sites include sanctuaries and refuges, wetlands, mud flats, vegetated shallows, coral reefs, and riffle and pool complexes. They are defined in 40 CFR 230 Subpart E.

On May 25, 2023, the Supreme Court of the United States issued a decision on Sackett v. EPA stating that an adjacent wetland must have continuous surface water connection. During the decision process, the USACE revised the Clean Water Rule. Under the previous definition, flow characteristics and functions of the tributary and adjacent wetlands were evaluated to determine whether the drainage feature had a significantly nexus regarding the chemical, physical and biological integrity of downstream Traditional Navigable Water. As part of the new definition, the

significant nexus evaluation was removed. Therefore, drainage features under the jurisdiction of the USACE are limited to relatively permanent waters and traditional navigable waters. All ephemeral drainages, roadside ditches, or isolated wetland are no longer under federal jurisdiction. The consideration of hydrological factors in the limits of USACE jurisdictional limits include volume, duration, and frequency of flow, size of watershed, average annual rainfall, and average annual winter snowpack.

### 3.3.1 Regional Water Quality Control Board

The Regional Water Quality Control Board (RWQCB) regulates activities pursuant to Section 401(a)(1) of the CWA. Section 401 of the CWA specifies that certification from the State is required for any applicant requesting a federal license or permit to conduct any activity including, but not limited to, the construction or operation of facilities that may result in any discharge into navigable waters. Through the Porter Cologne Water Quality Control Act, the RWQCB asserts jurisdiction over Waters of the State of California (WSC) which is generally the same as WUS but may also include isolated waterbodies. The Porter Cologne Act defines WSC as "surface water or ground water, including saline waters, within the boundaries of the state."

### 3.3.2 California Environmental Quality Act

The basic goal of the CEQA is to maintain a high-quality environment now and in the future and the specific goals are for California's public agencies to:

1) Identify the significant environmental effects of their actions; and, either

2) Avoid those significant environmental effects, where feasible; or

3) Mitigate those significant environmental effects, where feasible.

The CEQA applies to "projects" proposed to be undertaken or requiring approval by State and local government agencies. Projects are activities which have the potential to have a physical impact on the environment and may include the enactment of zoning ordinances, the issuance of conditional use permits and the approval of tentative subdivision maps. Where a project requires approvals from more than one public agency, the CEQA requires one of these public agencies to serve as the "lead agency."

A "lead agency" must complete the environmental review process required by the CEQA. The most basic steps of the environmental review process are:

1) Determine if the activity is a "project" subject to the CEQA;

2) Determine if the "project" is exempt from the CEQA;

3) Perform an Initial Study to identify the environmental impacts of the project and determine whether the identified impacts are "significant". Based on its findings of "significance", the lead agency prepares one of the following environmental review documents:

a) Negative Declaration if it finds no "significant" impacts;

b) Mitigated Negative Declaration if it finds "significant" impacts but revises the project to avoid or mitigate those significant impacts;

c) Environmental Impact Report (EIR) if it finds "significant" impacts.

While there is no ironclad definition of "significance", Article 5 of the CEQA Guidelines provides criteria to lead agencies in determining whether a project may have significant effects.

The purpose of an EIR is to provide State and local agencies and the general public with detailed information on the potentially significant environmental effects which a proposed project is likely to have and to list ways in which the significant environmental effects may be minimized and indicate alternatives to the project.

### 3.3.3 Section 2081 of the State Fish and Game Code

Under Section 2081 of the California Fish and Game Code (FGC), the California Department of Fish and Wildlife (CDFW) authorizes individuals or public agencies to import, export, take, or possess state endangered, threatened, or candidate species in California through permits or memoranda of understanding. These acts, which are otherwise prohibited, may be authorized through permits or "memoranda of understanding" if (1) the take is incidental to otherwise lawful activities, (2) impacts of the take are minimized and fully mitigated, (3) the permit is consistent with regulations adopted in accordance with any recovery plan for the species in question, and (4) the applicant ensures suitable funding to implement the measures required by the CDFW. The CDFW shall make this determination based on the best scientific information reasonably available and shall include consideration of the species' capability to survive and reproduce.

### 3.3.4 Sections 3503, 3505.5, & 3513 of the State Fish and Game Code

Section 3503 of the FGC makes it unlawful to take, possess, or needlessly destroy the nest or eggs of any bird. Section 3505.5 makes it unlawful to take, possess, or destroy any birds in the order Falconiformes or Strigiformes (birds-of-prey, i.e.: owls, hawks, eagles, etc.) or to take, possess, or destroy the nest or eggs of any bird-of-prey. Section 3513 makes it unlawful to take or possess any migratory nongame bird as designated in the MBTA.

## 3.4 Regional

### 3.4.1 Coachella Valley Multiple Species Habitat Conservation Plan

Finalized in October 2008, the CVMSHCP is a comprehensive, regional plan that addresses the conservation needs of 27 species of native flora and fauna and 24 natural vegetation communities occurring throughout the Coachella Valley region of western Riverside County, California. Permits for the CVMSHCP were issued by the CDFW on September 9, 2008 and the United States Fish and Wildlife Service (USFWS) on October 1, 2008 (TE104604-0). The CVMSHCP serves two primary purposes: Balancing environmental protection and economic development objectives in the CVMSHCP area and simplifying compliance with endangered species related laws. The CVMSHCP accomplishes this by conserving unfragmented habitat to permanently protect and secure viable populations of the covered species. The covered species include those plants and animals that are either currently listed as threatened or endangered, are proposed for listing, or are believed by an appointed Scientific Advisory Committee, USFWS and CDFW, to have a high probability of being proposed for listing in the future if not provided protection by the CVMSHCP. The goal of the CVMSHCP is to meet the requirements of the state and federal endangered species acts, while at the same time allowing for the economic growth (land development) within the plan area without significant delay or hidden costs. Under the CVMSHCP, land development/mitigation fees are collected from all new development projects occurring in the plan area. The purpose of this fee is to support the assembly of a preserve system for the covered species and natural vegetation communities within areas identified as having high conservation value.

# 4.0 METHODS

## 4.1 Literature Review

In preparation for the field assessment, a literature search was conducted to identify special status biological resources known from the vicinity of the site. In the context of this report, and for the purpose of this assessment, vicinity is defined as areas within a 5-mile radius of the site.

The literature search included a review of the following documents:

- California Natural Diversity Data Base (CNDDB) RareFind 5 (CDFW 2023a)
- Special Animals List (CDFW 2023b)
- California Native Plant Society's (CNPS) Inventory of Rare, Threatened, and Endangered Plants of California (CNPS 2023a)
- CVMSHCP (Coachella Valley Conservation Commission "CVCC" 2023)
- United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS). Web Soil Survey (USDA, NRCS 2023a)
- USDA NRCS. The Plants Database (USDA, NRCS 2023b)

- USGS 7.5′ *Cathedral City, Myoma, Rancho Mirage,* and *La Quinta, Calif.* quadrangles (USGS 2021a, 2023, 2021b, 2021c)

Scientific nomenclature for this document follows standard reference sources: For plant communities, CVMSHCP (CVCC 2023); for flora, Jepson eFlora (2023) and the USDA NRCS PLANTS Database (2023); for amphibians, reptiles, and mammals, CDFW (2016); and for birds, California Bird Records Committee (2023).

### 4.2 Field Assessment

The field assessment was conducted between the hours of 1215 and 1300 on 23 July 2023 by WSP USA senior biologist Michael D. Wilcox. On-site suitable habitat was assessed based on the presence of constituent habitat elements (e.g., soils, vegetation and topography) characteristic of the potentially occurring special status biological resources determined by the literature review. The entire site was assessed on foot with parallel pedestrian belt transects spaced at approximately 10 m. (30 ft.) intervals to record pertinent field data, current site conditions and compile a detected flora and fauna species list. Where present, adjacent undeveloped areas within an approximate 150-meter (m) (~500-foot [ft]) buffer zone are also assessed visually, from the project site, for burrowing owl (*Athene cunicularia*). All on-site flora and fauna observed or otherwise detected (e.g., vocalizations, presence of scat, tracks, and/or bones) during the assessment were recorded in field notes and are included in Appendices A and B. General weather and site conditions were also recorded at the beginning and end of the survey. Temperatures and wind speeds were recorded with a handheld Kestrel 3500 anemometer. Percent cloud cover was visually estimated. Digital time, date and latitude/longitude-stamped photographs were taken and are included in Appendix D.

## 5.0 RESULTS

The unfenced, 6-acre site currently exhibits undeveloped, natural open space. Vegetation is generally sparse, consisting of a mixture of native and non-native plant species. Soils are very sandy but also becoming somewhat stabilized. Existing site disturbances included evidence of minor offroad vehicular activity, minor dumping and accumulation of roadside trash (Appendix D, Photos 1-6).

Existing commercial development occurs adjacent to the site to the north. Existing residential housing development occurs adjacent to the site to the east and west. The land to the south is fenced and appears to have recently been cleared of all vegetation and currently under construction.

## 5.1 Coachella Valley Multiple Species Habitat Conservation Plan

The project site is located within the city of Rancho Mirage, which is a signatory to the CVMSHCP. The site is not within any CVMSHCP-designated conservation areas. The closest conservation areas are the Thousand Palms Conservation Area, which is approximately 4 kilometers (km) (2.5 miles [mi]) to the northeast of the project site and the Santa Rosa and San Jacinto Mountains Conservation Area located approximately 4 km (2.5 mi) to the southwest of the project site (Appendix C, Figure 3). No CVMSHCP-designated wildlife corridors or biological linkages are mapped on the project site. The site does, however, contain CVMSHCP modeled habitat for a variety of special status species including: Coachella Valley milk-vetch (*Astragalus lentiginosus* var. *coachellae*), Coachella giant sand-treader cricket (*Macrobaenetes valgum*), Coachella Valley Jerusalem cricket (*Stenopelmatus cahuilaensis*), flat-tailed horned lizard (*Phrynosoma mcallii*), Coachella Valley fringe-toed lizard (*Uma inornata*), Palm Springs pocket mouse (*Perognathus longimembris bangsi*) and Coachella Valley (Palm Springs) round-tailed ground squirrel (*Xerospermophilus tereticaudus chlorus*).

## 5.2 Weather Conditions

Weather conditions during the assessment included overcast skies (100% cloud cover) and light rain. The temperature was 95 degrees Fahrenheit. Winds were gusty with speeds ranging from 5 to 20 miles per hour (mph).

## 5.3 Topography, Soils and Waters

The elevation of the site is approximately 94 m (310 ft.) AMSL. Existing topography is relatively flat, sloping slightly toward the south. Relief in the form of small hummocks was present, primarily surrounding on-site mature creosote bushes. Mapped soils (USDA NRCS 2019) are Myoma fine sand (MaD), 5-15% slopes (Appendix C, Figure 4). Myoma series soils are fine to very fine sands that range from nearly level to rolling and hummocky in some areas. These soils were formed in wind-blown sand from recent alluvium at elevations of -61 m (-200 ft), below sea level to 549 m (1,800 ft) above sea level.

Soils are sandy but appear to be stabilizing as the site is surrounded by existing or and/on-going development (Appendix D, Photos 1-6). The geology of the site is probably best described as a stabilized sand field/stabilized sand dune. Although sandy, the site does not appear to contain active sand dunes. No streams, washes, springs, bodies of water, active drifts, rock outcrops, rocky areas or clay lenses were observed.

## 5.4 Vegetation

The on-site vegetation community most closely aligns with Sonoran creosote bush scrub as described by CVCC (2023). Sawyer et. al. (2009) refers to this community as "*Larrea tridentata* shrubland alliance (creosote bush scrub)" (Appendix C, Figure 5). The CVMSHCP maps the site as Stabilized Sand Fields. The dominant native perennial plant species observed was sparse creosote bush (*Larrea tridentata*). Other perennials observed were very sparse but included white bur-sage (*Ambrosia dumosa*) and indigo bush (*Psorothamnus* cf. *emoryi*). Dominant native herbaceous species observed were also relatively sparse but included Palmer's tiquilia (*Tiquilia palmeri*), desert dicoria (*Dicoria canescens*) and Spanish needles (*Palafoxia arida*). The herbaceous non-native annuals Mediterranean grass (*Schismus barbatus*), Sahara mustard (*Brassica tournefortii*) and cheatgrass (*Bromus tectorium*) were also present. Sonoran creosote bush scrub is the predominant vegetation community occurring below 762 m (2500 ft) in the Colorado Desert from the Little San Bernardino Mountains south and eastward into Arizona and Mexico (Holland 1986).

No natural wetland, riparian or otherwise special-status vegetation communities were observed on the project site. A full list of the plant species observed during the surveys, including common and scientific names, is appended to this report (Appendix A).

## 5.5 Wildlife

Vertebrate wildlife directly observed and/or detected otherwise (e.g., scat, bones, tracks, feathers, burrows, etc.) during the assessment was not diverse or abundant, limited to only nine species common to the region. This included two reptile species and seven bird species (Appendix B). No mammals or amphibians were detected.

The two reptiles detected on-site were zebra-tailed lizard (*Callisaurus draconoides*) and desert iguana (*Dipsosaurus dorsalis*). Other common reptile species that would be expected to also occur include, but are not limited to, side-blotched lizard (*Uta stansburiana*), western whiptail (*Aspidoscelis tigris*) and shovel-nosed snake (*Chionactis occipitalis*). All are common in the Coachella Valley.

The seven bird species observed on-site included: Eurasian collared dove (*Streptopelia decaocto*), mourning dove (*Zenaida macroura*), greater roadrunner (*Geococcyx californianus*), western kingbird (*Tyrannus verticalis*), common raven (*Corvus corax*), verdin (*Auriparus flaviceps*) and northern mockingbird (*Mimus polyglottos*). Other common avian species that may also occur include, but are not limited to, house finch (*Haemorhous mexicanus*), Costa's hummingbird (*Calypte costae*), great-tailed grackle (*Quiscalus mexicanus*), red-tailed hawk (*Buteo jamaicensis*), American kestrel (*Falco sparverius*) and house sparrow (*Passer domesticus*). Most of these would be expected to occasionally occur on-site, primarily for foraging and/or dispersal. Nesting habitat

for most of these species, with a few exceptions, is not present on-site. Habitat for ground nesting species, such as mourning dove and killdeer (*Charadrius vociferus*). Additional bird species are anticipated to temporarily visit the site during migration.

Although no mammals were detected on-site, common mammal species that may occur include, but are not limited to, Botta's pocket gopher (*Thomomys bottae*), desert cottontail (*Sylvilagus audubonii*), white-tailed antelope squirrel (*Ammospermophilus leucurus*), black-tailed jackrabbit (*Lepus californicus*) and coyote (*Canis latrans*).

It should be noted that relatively short-term biological studies of this nature are often limited by the seasonality of annual plants, the migratory habits of many birds, the fossorial and nocturnal habits of many mammals and reptiles, and the timing of field surveys. A complete inventory of the wildlife on the site would require extensive year-round surveys for birds, amphibians, and reptiles, and additional surveys, such as placement of scent stations or tracking stations, for the detection of nocturnal mammals. Knowledge of habitat associations, natural history, seasonality, and distribution is essential in the assessment of the potential for occurrence of the various special status plants and animals known to occur throughout the Coachella Valley. For these reasons, other common and special status species that were not observed on-site may also have the potential to occur based on their geographic distribution, habitat preferences, and the regional location of the site. The following section summarizes information on sensitive species known to occur in the vicinity of the project site.

## 5.6 Special Status Biological Resources

Plant or animal taxa may be considered "sensitive" or as having "special status" due to declining populations, vulnerability to habitat change, or because they have restricted ranges. Some are listed as threatened or endangered by the USFWS or by the CDFW and are protected by the federal and state Endangered Species acts. Others have been identified as sensitive or as special-status species by the USFWS, the CDFW, or by private conservation organizations, including the CNPS. Unlisted sensitive species do not have formal state or federal status but may nevertheless be considered significant under the CEQA. The CVMSHCP provides conservation for twenty-seven (27) imperiled plant and animal species (5 plants, 2 insects, 1 amphibian, 3 reptiles, 11 birds, and 5 mammals). These include federal and state-listed species, federal and California Species of Concern, and species on the CNPS sensitive species lists. CVMSHCP covered species are designated on the tables below. The site is not within designated critical habitat for any special status plants or wildlife. The nearest designated critical habitats for Coachella Valley fringe-toed lizard and Coachella Valley milk-vetch are located approximately 3.8 miles east of the project site, respectively.

The review of the CNDDB, CNPS Online Inventory of Rare Plants, other biological reports from the vicinity, and consultation with other experienced biologists/naturalists resulted in the identification of 52 special status biological resources known to occur in the vicinity (within an approximate 5-mile radius) of the project site. The 58 special status biological resources known from the vicinity included 28 plants, one vegetation communities, five invertebrates, one fish, four reptiles, 10 birds and nine mammals. Tables 1 through 7 provide a complete list of the special status biological resources, their associated legal status, and their respective on-site occurrence potentials.

No special status plant species were detected on-site during the field assessment. The site does, however, contain at least marginally (potentially) suitable habitat for 11 of the special status plant species that have been previously reported from the vicinity. These include chaparral sand-verbena (*Abronia villosa* var. *aurita*), Borrego milk-vetch (*Astragalus lentiginosus var. borreganus*), Coachella Valley milk-vetch, pointed dodder (*Cuscuta californica* var. *apiculate*), glandular ditaxis (*Ditaxis claryana*), California ditaxis (*Ditaxis serrata* var. *californica*), Abram's spurge (*Euphorbia abramsiana*), Arizona spurge (*Euphorbia arizonica*), flat-seeded spurge (*Euphorbia platysperma*), ribbed cryptantha (*Johnstonella costata*) and slender cottonheads (*Nemacaulis denudata* var. *gracilis*).

No special status vegetation communities were detected on-site during the field assessment. The one special status vegetation community known from the vicinity of the site included desert fan palm oasis woodland. No palm trees or palm woodlands were present on the site.

No special status wildlife species were observed on-site during the assessment. The review of the CNDDB, CNPS and other biological reports from the vicinity resulted in a total of 29 special status wildlife species known to occur in the vicinity. Of these, nine are considered to have some (mostly very low to low) potential of occurrence on the project site. Very limited, marginally (potentially) suitable habitat remains present for Crotch bumble bee (*Bombus crotchii*), Coachella giant sand treaded cricket, Coachella Valley Jerusalem cricket, flat-tailed horned lizard, Coachella Valley fringe-toed lizard, burrowing owl (*Athene cunicularia*), pallid San Diego pocket mouse (*Chaetodipus fallax pallidus*), Palm Springs pocket mouse and Coachella Valley (Palm Springs) round-tailed ground squirrel.

Tables 1 through 7 summarize information on all special status species that have been reported within the vicinity (5-mile radius) or that occur or are considered to have some potential to occur on-site based on geographic distribution and presence of potentially suitable habitat. Occurrence probability is based on the best available information and the collective expertise of WSP USA biologists. These tables provide the names, legal or conservation status, general habitat associations, and the probability of occurrence for each of these species.

**Table 1. Special Status Plants**

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Abronia villosa* var. *aurita* **chaparral sand-verbena** | F: None<br>C: None<br>CNPS: List 1B.1<br>State Rank: S2<br>CVMSHCP: No | Sandy areas in chaparral, coastal sage scrub & desert dune habitats, 80-1600 m (262-5249 ft.); B: (Jan) Mar-Sept. | **Low**<br>Sand verbena present but var. *aurita* not determined (species not blooming at time of assessment). Var. *aurita* is more commonly associated with coastal vegetation communities but has been found to occur in the desert. Nearest CNDDB record ~1.7 mi. SE (2001). |
| *Astragalus hornii* var. *hornii* **Horn's milk-vetch** | F: None<br>C: None<br>CNPS: List 1B.1<br>State Rank: S1<br>CVMSHCP: No | Alkaline areas of lake margins, playas, meadows and seeps. 60 to 850 m (197-2787 ft.); B: May – Oct. A single 1936 record from "south of Palm Springs, foothills of San Jacinto Mountains". | **Absent**<br>Suitable mesic/alkaline habitats lacking. Nearest CNDDB record ~5.6 mi. W (1936). |
| *Astragalus lentiginosus var. borreganus* **Borrego milk-vetch** | F: None<br>C: None<br>CNPS List: 4.3<br>State Rank: S4<br>CVMSHCP: No | Sandy Mojavean desert scrub, Sonoran Desert scrub; 30-895 m (100-2935 ft). B: Feb-May | **Low**<br>Suitable habitat present but site small and isolated. |
| *Astragalus lentiginosus* var. *coachellae* **Coachella Valley milk-vetch** | F: **END**<br>C: None<br>CNPS: 1B.2<br>State Rank: S1<br>CVMSHCP: **Yes** | Sonoran Desert scrub; sandy flats, washes, outwash fans, sometimes on dunes; 40-665 m (131-2,182 ft). B: Jan–Sept. | **Moderate**<br>Suitable habitat present, species known from immediate vicinity, 0.9 mi. E (2003) & ~1 mi. S (2012). Site within CVMSHCP modeled habitat for this species but not within designated critical habitat. Nearest designated critical habitat located approx. 3.8 mi. E. |
| *Astragalus preussii* var. *laxiflorus* **Lancaster milk-vetch** | F: None<br>C: None<br>CNPS: 1B.1<br>State Rank: S1<br>CVMSHCP: No | Chenopod scrub; 700 m (2295 ft). B: Mar–May | **Absent**<br>Suitable chenopod scrub habitat lacking. Site below known elevational range of species. Nearest CNDDB record over 13 mi. SE (1928) |
| *Astragalus tricarinatus* **triple-ribbed milk-vetch** | F: **END**<br>C: None<br>CNPS: 1B.2<br>State Rank: S2<br>CVMSHCP: **Yes** | Joshua tree woodland & Sonoran Desert scrub on hot, rocky slopes in canyons & along edge of boulder-strewn desert washes with *Larrea* and *Encelia*; 455-1525 m (1,492-5,000 feet). B: Feb–May. | **Absent**<br>Suitable habitat lacking. Site below known elevational range of species. Nearest CNDDB record 6.7 mi. NE (2019) |

## Table 1. Special Status Plants

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Ayenia compacta*<br>**California ayenia** | F: None<br>C: None<br>CNPS: 2B.3<br>State Rank: S3<br>CVMSHCP: No | Sandy, gravelly washes in the desert, dry desert canyons; 152-1097 m (500–3600 ft). | **Absent**<br>Suitable habitat lacking. Site below known elevational range of species. Nearest CNDDB record over 10 mi. S (1973) |
| *Calochortus palmeri* var. *munzii*<br>**San Jacinto mariposa-lily** | F: None<br>C: None<br>CNPS: 1B.2<br>State Rank: S3<br>CVMSHCP: No | Chaparral, lower montane coniferous forest, meadows and seeps; 855-2200 m (2805-7220 ft.); B: April-July | **Absent**<br>Suitable habitat lacking. Site below elevation range of species. Nearest CNDDB record 12 mi. S (1988). |
| *Cuscuta californica* var. *apiculata*<br>**pointed dodder** | F: None<br>C: None<br>CNPS: 3<br>State Rank: S3?<br>CVMSHCP: No | Mojavean Desert scrub, Sonoran Desert scrub; 0-500 m (0-1640 ft.); B: Feb-Aug | **Very Low**<br>Suitable habitat present but site is small, isolated and no dodder of any kind was detected on-site. |
| *Ditaxis claryana*<br>**glandular ditaxis** | F: None<br>C: None<br>CNPS: 2B.2<br>State Rank: S2<br>CVMSHCP: No | Mojavean & Sonoran desert scrub. 0-465 m (0-1526 ft). B: October – March. | **Low**<br>Suitable habitat present but site small and isolated from other undeveloped open space. CNDDB record 3.9 mi. S (2012). |
| *Ditaxis serrata* var. *californica*<br>**California ditaxis** | F: None<br>C: None<br>CNPS: 3.2<br>State Rank: S2?<br>CVMSHCP: No | Sonoran desert scrub. 30 to 1000 m (98-3281 ft). B: March - December. | **Low**<br>Suitable habitat present but site small, isolated from other undeveloped open space and becoming stabilized. |
| *Euphorbia abramsiana*<br>**Abrams' spurge** | F: None<br>C: None<br>CNPS: 2B.2<br>State Rank: S2<br>CVMSHCP: No | Sandy sites in Mojave and Sonoran desert scrub. -5 – 1,450 m (-16-4757 ft). B: (August) September - November. | **Low**<br>Suitable habitat present but small, isolated from other undeveloped open space and becoming stabilized. Nearest CNDDB record ~4.5 mi. E (1968). |
| *Euphorbia arizonica*<br>**Arizona spurge** | F: None<br>C: None<br>CNPS: 2B.3<br>State Rank: S3<br>CVMSHCP: No | Sandy soils in Sonoran Desert scrub; 50-300 m (200-1000 ft). B: Mar-Apr. | **Low**<br>Suitable habitat present but small, isolated from other undeveloped open space and becoming stabilized. Nearest CNDDB record ~5.4 mi. N (2001). |
| *Euphorbia platysperma*<br>**flat-seeded spurge** | F: None<br>C: None<br>CNPS: 1B.2<br>State Rank: S1<br>CVMSHCP: No | Sandy Sonoran Desert scrub, shifting dunes. In CA, potentially a waif; more common in AZ and MX; 65-100 m (215-330 ft). B: Feb-Sep. | **Very Low**<br>Marginally suitable habitat present but small, isolated from other undeveloped open space and becoming stabilized. Nearest CNDDB record ~1.5 mi. N (1964). |

## Table 1. Special Status Plants

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Eremothera boothii* var. *boothii*<br>**Booth's evening primrose** | F: None<br>C: None<br>CNPS: 2B.3<br>State Rank: S3<br>CVMSHCP: No | Joshua tree "woodland", pinyon and juniper woodland; 815-2400 m (2674-7874 ft). B: April-Sep. | **Absent**<br>Suitable habitat lacking. Site below known elevational range of species. Nearest CNDDB record 9 mi. NE (1995). |
| *Johnstonella costata*<br>**ribbed cryptantha** | F: None<br>C: None<br>CNPS: 4.3<br>State Rank: S4<br>CVMSHCP: No | Desert dunes, Mojavean Desert scrub, Sonoran Desert scrub; -60-500 m (-195-1640 ft). B: Feb-May | **Low**<br>Suitable habitat present but limited, isolated and disturbed. |
| *Juncus acutus ssp. leopoldii*<br>**southwestern spiny rush** | F: None<br>C: None<br>CNPS: 4.2<br>State Rank: S4<br>CVMSHCP: No | Coastal dunes (mesic), coastal scrub, meadows & seeps (alkaline), marshes & swamps (coastal salt) Mojavean Desert scrub, Sonoran Desert scrub; -3-900 m (10-2955 ft). B: Mar-Jun | **Absent**<br>Suitable (mesic) habitats lacking |
| *Juncus cooperi*<br>**Cooper's rush** | F: None<br>C: None<br>CNPS: 4.3<br>State Rank: S3<br>CVMSHCP: No | Meadows & seeps (mesic, alkaline or saline); -260-1700 m (-855-5805 ft). B: Apr-Aug | **Absent**<br>Suitable (mesic) habitats lacking |
| *Lycium torreyi*<br>**Torrey's box-thorn** | F: None<br>C: None<br>CNPS: 4.2<br>State Rank: S3<br>CVMSHCP: No | Mojavean Desert scrub, Sonoran Desert scrub; -50 - 1220 m (-165–4005 ft) B: (Jan-Feb) Mar-Jun (Sep-Nov) | **Absent**<br>Not observed. Perennial shrub would have been detected if present. |
| *Marina orcuttii* var. *orcuttii*<br>**California marina** | F: None<br>C: None<br>CNPS: 1B.3<br>State Rank: S2?<br>CVMSHCP: No | Chaparral, pinyon and juniper woodland, Sonoran desert scrub, rocky; 1050-1160 m (3445–3806 ft) B: May-Oct. | **Absent**<br>Suitable habitat lacking. Site below elevational range of species. Nearest CNDDB record 9.5 mi. S (1976). |
| *Matelea parvifolia*<br>**spear-leaf matelea** | F: None<br>C: None<br>CNPS: 2B.3<br>State Rank: S3<br>CVMSHCP: No | Mojavean Desert scrub, Sonoran Desert scrub, rocky; 440-1095 m (1445–3595 ft) B: Mar-May (July) | **Absent**<br>Suitable rocky habitat lacking. Site below elevational range of species. Nearest CNDDB record 9.6 mi. S (1974). |
| *Nemacaulis denudata* var. *gracilis*<br>**slender cottonheads** | F: None<br>C: None<br>CNPS: 2B.2<br>State Rank: S2<br>CVMSHCP: No | Sandy places in coastal dunes, desert dunes & Sonoran Desert scrub; 50-400 m (164-1315 ft). B: Mar– May. | **Very Low**<br>Suitable habitat present but small, isolated from other undeveloped open space and becoming stabilized. Nearest CNDDB records ~3.5 mi. S (1942) & 6.5 mi. SE (1980). |
| *Petalonyx linearis*<br>**narrow-leaf sandpaper-plant** | F: None<br>C: None | Sandy or rocky canyons in Mojavean desert scrub and | **Absent** |

## Table 1. Special Status Plants

| Species | Status | Habitat | Probability |
|---|---|---|---|
| | CNPS: 2B.3<br>State Rank: S3?<br>CVMSHCP: No | Sonoran desert scrub; -25-1115 m (-80-3,660 ft.) B: Mar-May (sometimes Jan-Dec) | Suitable canyon habitat lacking. Nearest CNDDB record 6 mi. NE (1921). |
| *Pseudorontium cyanthiferum*<br>**Deep Canyon snapdragon** | F: None<br>C: None<br>CNPS: 2B.3<br>State Rank: S1<br>CVMSHCP: No | Sonoran desert scrub in rocky washes and on rocky slopes in the immediate vicinity of Deep Canyon. 0-800 m (0-2625 ft). B: February -April. | **Absent**<br>Suitable rocky habitat lacking. CNDDB record 9.5 mi. S (1978) |
| *Selaginella eremophila*<br>**desert spike-moss** | F: None<br>C: None<br>CNPS: 2B.2<br>State Rank: S2S3<br>CVMSHCP: No | Chaparral, Sonoran Desert scrub; shaded sites, gravelly soils, crevices or among rocks; 200-900 m (656-2953 ft). B: May–Jul. | **Absent**<br>Suitable rocky habitat lacking. Site below known elevational range of species. Nearest CNDDB record ~5.4 mi. SW (1938) |
| *Senna covesii*<br>**Cove's cassia** | F: None<br>C: None<br>CNPS: 2B.2<br>State Rank: S3<br>CVMSHCP: No | Sonoran Desert scrub, dry, sandy desert washes & slopes; 225-1295 m (740-4250 ft). B: Mar–Jun (Aug). | **Absent**<br>Suitable habitat lacking. Site below known elevational range of species. Nearest CNDDB record over 11 mi. S (1992) |
| *Stemodia durantifolia*<br>**purple stemodia** | F: None<br>C: None<br>CNPS: List 2B.1<br>State Rank: S2.1?<br>CVMSHCP: No | Mesic sites on sandy soils in Sonoran Desert scrub; 180-300 m (590–980 ft). B: (Jan) Apr-Dec | **Absent**<br>Suitable habitat lacking. Site below elevational range of species. Nearest CNDDB record ~5 mi. W (1948) |
| *Xylorhiza cognata*<br>**Mecca-aster** | F: None<br>C: None<br>CNPS: List 1B.2<br>State Rank: S2<br>CVMSHCP: **Yes** | Grows on steep canyon slopes on sandstone and clay substrates, 20-305 m (65–1000 ft); B: Jan-Jun | **Absent**<br>Suitable habitat lacking. Nearest CNDDB record ~8.2 mi. NE (2005) |

## Table 2. Special Status Vegetation Communities

| Community | Status | Habitat | Probability |
|---|---|---|---|
| **desert fan palm oasis woodland** | F: None<br>C: S3.2<br>State Rank: S3.2<br>CVMSHCP: **Yes** | Natural California fan palm (*Washingtonia filifera*) stands | **Absent**<br>No palms on-site. Nearest ~6.3 mi. SW (1965) |

## Table 3. Special Status Invertebrates

| Community | Status | Habitat | Probability |
|---|---|---|---|

## Table 3. Special Status Invertebrates

| | | | |
|---|---|---|---|
| *Bombus crotchii*<br>**Crotch bumble bee** | F: None<br>C: None<br>State Rank: S1S2<br>CVMSHCP: No | Found from coastal California east to the Sierra-Cascade crest & south into Baja, Mexico. Primarily southwestern California, including Pacific coast, western desert, great valley, & adjacent foothills through most of California. Has also been recorded in southwest Nevada. Inhabits open grassland & scrub habitats. Primarily nests underground. Food plant genera include, but are not limited to: *Antirrhinum*, *Phacelia*, *Clarkia*, *Dendromecon*, *Eschscholzia*, and *Eriogonum*. | **Very Low**<br>Potentially suitable habitat present but site is small, isolated from other undeveloped open space and disturbed. Potential nectar sources not abundant or diverse at time of assessment. Nearest CNDDB record 4.8 mi. SW (1953). |
| *Dinacoma caseyi*<br>**Casey's June beetle** | F: END<br>C: None<br>State Rank: S1<br>CVMSHCP: No | Appears to be entirely restricted to the mouth and alluvial floodplain of Palm Canyon Wash and Tahquitz Creek in Palm Springs, in association with deposits of fine silts, sands and gravels | **Absent**<br>Suitable habitat lacking. Site outside of known range of species. Site is not within designated critical habitat for this species. Closest current records ~5 mi. NW (pers. obs.) |
| *Macrobaenetes valgum*<br>**Coachella giant sand treader cricket** | F: None<br>C: None<br>State Rank: S1S2<br>CVMSHCP: **Yes** | Active sand dune hummocks and ridges, sites favorable to permanent habitation include spring-moistened sand. | **Low**<br>Suitable habitat present but site is small, isolated from other undeveloped open space and becoming stabilized. Site within CVMSHCP modeled habitat for this species. Closest CNDDB record 3.1 mi. NW (1960). |
| *Oliarces clara*<br>**cheeseweed owlfly** | F: None<br>C: None<br>State Rank: S2<br>CVMSHCP: No | Known from lower Colorado River drainage, associated with creosote bush (*Larrea tridentata*) in desert scrub; creosote is suspected larval host. Found under rocks or in flight over streams. | **Absent**<br>Habitat not present, no drainages or washes on the site. Closest CNDDB record from over 6 mi. NE (1952) and 6.9 mi. W (pers. obs.). |

### Table 3. Special Status Invertebrates

| | | | |
|---|---|---|---|
| *Stenopelmatus cahuilaensis*<br>**Coachella Valley Jerusalem cricket** | F: None<br>C: None<br>State Rank: S1S2<br>CVMSHCP: **Yes** | Sandy, moist soils in Coachella Valley | **Low**<br>Potentially suitable habitat present but small, isolated from other undeveloped open space, becoming stabilized and not notably moist. Site within CVMSHCP modeled habitat for this species. Closet CNDDB record 1.9 mi. N (1990). |

### Table 4. Special Status Fish

| Community | Status | Habitat | Probability |
|---|---|---|---|
| *Cyprinodon macularius*<br>**desert pupfish** | F: **END**<br>C: **END**, S1<br>CVMSHCP: **Yes** | Desert ponds, springs, marshes and streams. | **Absent**<br>Aquatic habitat lacking. |

### Table 5. Special Status Reptiles

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Crotalus ruber ruber*<br>**northern red diamond rattlesnake** | F: ND<br>C: SSC<br>State Rank: S2?<br>MSHCP: No | Favors rocky areas and dense vegetation, shelters in rodent burrows, rock cracks, or surface cover. Known from the eastern slopes of the Peninsular Ranges, desert floor up to 5,000 feet | **Absent**<br>Habitat lacking. Site small, isolated from other undeveloped open space and not rocky. Known from 5 mi. W (pers. obs.) |
| *Gopherus agassizi*<br>**desert tortoise** | F: **THR**<br>C: **THR**<br>State Rank: S2<br>CVMSHCP: **Yes** | Creosote bush scrub, Joshua tree woodland, saltbush scrub); washes, arroyos, bajadas, rocky hillsides, open flat desert. | **Absent**<br>Sign (burrows, scat, remains, etc.) not observed. Soils may be too sandy to support large burrows. Site small and isolated from other undeveloped open space. Site is not within designated critical habitat for this species. Desert tortoise not known to occur in immediate vicinity. Nearest CNDDB record 7.8 mi. S (1997). |

### Table 4. Special Status Fish

| Community | Status | Habitat | Probability |
|---|---|---|---|
| *Cyprinodon macularius*<br>**desert pupfish** | F: **END**<br>C: **END**, S1<br>CVMSHCP: **Yes** | Desert ponds, springs, marshes and streams. | **Absent**<br>Aquatic habitat lacking. |

### Table 5. Special Status Reptiles

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Phrynosoma mcallii*<br>**flat-tailed horned lizard** | F: None<br>C: SSC<br>State Rank: S2<br>CVMSHCP: **Yes** | Sandy and gravelly areas in desert washes, edges of dunes and desert flats; requires vegetative cover, ants & fine sand. | **Very Low**<br>Habitat suitable but small. isolated from other undeveloped open space and becoming stabilized. Site within CVMSHCP modeled habitat for this species. Nearest CNDDB record ~0.5 mi. S (1961). More recently reported from ~2.9 mi. NW (1997), 3.7 mi. NE (2011) and 4.4 mi. E (2014). |
| *Uma inornata*<br>**Coachella Valley fringe-toed lizard** | F: **THR**<br>C: **END**<br>State Rank: S1<br>CVMSHCP: **Yes** | Requires fine, loose, windblown sand (dunes) interspersed with hardpan & widely spaced desert shrubs. Known only from the Coachella Valley. | **Low**<br>Habitat suitable but small, isolated from other undeveloped open space and becoming stabilized. Site within CVMSHCP modeled habitat for this species. CNDDB records from adjacent lands, which are now developed ~0.1 mi. S (1994). |

### Table 6. Special Status Birds

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Aquila chrysaetos*<br>**golden eagle** | F: **MBTA**<br>C: FP, WL<br>State Rank: S3<br>CVMSHCP: No | Forages over rolling foothills, mountain areas, sage-juniper flats, and desert. Cliff-walled canyons used for nesting, sometimes large trees in open areas. | **Breeding: Absent**<br>Suitable nesting habitat lacking.<br>**Foraging: Low**<br>Suitable habitat present. Closest CNDDB record 9 mi. S (1979). |

## Table 6. Special Status Birds

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Athene cunicularia*<br>**burrowing owl** | F: **MBTA**, BCC<br>C: SSC (burrows), FGC<br>State Rank: S2<br>CVMSHCP: **Yes*** | Open, dry annual or perennial grassland, deserts & scrublands characterized by low-growing vegetation. Burrow sites essential. | **Breeding: Low**<br>Suitable habitat present but burrows not observed. Soils may be too sandy to support burrows of appropriate size.<br>**Foraging: Low**<br>Site surrounded by existing and on-going development. CNDDB records ~3.4 mi. N (2006). |
| *Calypte costae*<br>**Costa's hummingbird** | F: **MBTA**, BCC<br>C: None<br>State Rank: S4<br>CVMSHCP: No | Desert and semi-desert, arid brushy foothills and chaparral, in migration and winter also in adjacent mountains and in open meadows and gardens | **Nesting**: **Absent**<br>Suitable tree & shrub nesting habitat lacking)<br>**Foraging**: **High**<br>May nest adjacent or nearby and forage over site. |
| *Empidonax traillii extimus*<br>**southwestern willow flycatcher** | F: **END**, MBTA<br>C: **END**<br>State Rank: S1<br>CVMSHCP: **Yes*** | Breeds in dense riparian areas. | **Nesting: Absent**<br>Suitable riparian habitat lacking<br>**Foraging: Very Low**<br>Occurs in many habitats during migration. Nearest CNDDB record from 6.4 mi. NE (2002). |
| *Falco mexicanus*<br>**prairie falcon** | F: **MBTA**, BCC<br>C: SSC (nesting), FGC<br>State Rank: S3<br>CVMSHCP: No | Inhabits dry, open terrain, either level or hilly. Breeding sites located on cliffs, but forages far afield. | **Breeding**: **Absent**<br>Suitable nesting habitat lacking.<br>Foraging: **Low**<br>May nest or winter nearby & forage over site. CNDDB records suppressed but known from project quadrangle. |
| *Lanius ludovicianus*<br>**loggerhead shrike** | F: **MBTA**, BCC<br>C: SSC (nesting), FGC<br>State Rank: S4<br>CVMSHCP: No | Open fields with scattered trees or shrubs, open country with short vegetation, pastures, old orchards, cemeteries, golf courses, riparian areas & open woodlands. | **Breeding: Absent**<br>Suitable nesting habitat lacking.<br>**Foraging: Moderate**<br>May nest or winter nearby & forage over site. Nearest CNDDB record from ~5 mi. E (2005) |

## Table 6. Special Status Birds

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Polioptila melanura*<br>**black-tailed gnatcatcher** | F: ND<br>C: ND<br>State rank: S3S4<br>CVMSHCP: No | Nests in wooded desert wash habitat containing mesquite, palo verde, ironwood, and acacia. May also occur in areas with salt cedar, especially when adjacent to native wooded desert wash habitat. Also occurs in desert scrub habitat in winter. | **Breeding: Absent**<br>Suitable nesting habitat lacking.<br>**Foraging: Moderate**<br>May forage or move through site from nearby areas. Nearest CNDBB record 8.3 miles SE (1953) |
| *Pyrocephalus rubinus*<br>**vermilion flycatcher** | F: MBTA<br>C: SSC (nesting)<br>State Rank: S2S3<br>CVMSHCP: No | During nesting, inhabits desert riparian adjacent to irrigated fields, irrigation ditches, pastures, & other open, mesic areas with nest in cottonwood, willow, mesquite, or other large desert riparian trees. | **Nesting: Absent**<br>Suitable nesting habitat lacking.<br>**Foraging: Low**<br>Nearest CNDDB record 9.5 mi. SE (1930), known from 5 mi. W (pers. obs.). |
| *Toxostoma crissale*<br>**crissal thrasher** | F: None<br>C: SSC<br>State Rank: S3<br>CVMSHCP: **Yes*** | Resident of SE deserts in desert riparian and wash habitats, nests in dense mesquite, ironwood, catclaw, arrowweed. | **Nesting**: **Absent**<br>Suitable nesting habitat lacking<br>**Foraging**: **Very low**<br>May nest or winter nearby and/or forage on-site, but unlikely due to isolation. CNDDB record 7.2 mi. SE (1932). |
| *Toxostoma lecontei*<br>**Le Conte's thrasher** | F: **MBTA**, BCC<br>C: SSC (nesting), FGC<br>State Rank: S3<br>CVMSHCP: **Yes*** | Desert resident; primarily of open desert wash, desert scrub, alkali desert scrub, and desert succulent scrub habitats. Nest in dense, spiny shrub or densely branched cactus in desert wash habitat, usually 2-8 feet above ground. | **Breeding**: **Absent**<br>Suitable nesting habitat lacking.<br>**Foraging**: **Very Low**<br>May nest or winter nearby and/or forage on-site, but unlikely due to isolation. Closest CNDDB record ~2.3 mi. NW (1921) |

* Species conserved under the CVMSHCP, but is still protected by the MBTA and FGC

## Table 7. Special Status Mammals

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Chaetodipus fallax pallidus*<br>**pallid San Diego pocket mouse** | F: None<br>C: SSC<br>State Rank: S3S4<br>CVMSHCP: No | Desert border areas in desert wash, desert scrub, desert succulent scrub, pinon-juniper, etc. Sandy herbaceous areas usually in association with rocks or coarse gravel. | **Very Low**<br>Site small, isolated from other undeveloped open space and not rocky or gravelly. CNDDB records 5.6 mi. S (1952) & 6 mi NE (1995). |

## Table 7. Special Status Mammals

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Dipodomys merriami collinus*<br>**Earthquake Merriam's (Aguanga) kangaroo rat** | F: None<br>C: SSC<br>State Rank: S1S2<br>CVMSHCP: No | Known only from San Diego & Riverside Counties. Associated with Riversidean sage scrub, chaparral, & non-native grassland. Needs sandy loam substrates for digging of burrows. | **Absent**<br>The CNDDB records near site out of range and habitat for this subspecies. Presumably these records are in error and refer to a different subspecies. |
| *Lasiurus xanthinus*<br>**western yellow bat** | F: None<br>C: SSC<br>State Rank: S3<br>WBWG: H<br>CVMSHCP: **Yes** | Found in a variety of habitats: Valley foothill riparian, desert riparian, desert wash, and palm oasis habitats | **Roosting: Absent**<br>Suitable tree-roosting habitat lacking.<br>**Foraging: Moderate**<br>May roost adjacent or nearby and forage on-site. Nearest CNDDB record ~3.2 mi. S (1982). |
| *Neotoma albigula venusta*<br>**Colorado Valley woodrat** | F: ND<br>C: ND<br>State rank: S1S2<br>CVMSHCP: No | Low-lying desert areas in SE California, closely associated with beaver-tail cactus and mesquite. Eats mainly succulent plants, distribution influenced by availability of nesting material. | **Absent**<br>Middens not detected. Suitable succulent and/or mesquite habitat lacking. Nearest CNDDB record over 11 mi. S (1939). |
| *Neotoma lepida intermedia*<br>**San Diego desert woodrat** | F: None<br>C: SSC<br>State Rank: S3S4<br>CVMSHCP: No | Coastal scrub of southern California. Moderate to dense canopies preferred. Particularly abundant in rock outcrops & rocky cliffs & slopes. | **Absent**<br>Middens not detected. Site small and isolated from other undeveloped open space. Dense canopy preferred habitat lacking. Nearest CNDDB record 4.7 mi. NE (1995). |
| *Nyctinomops femorosaccus*<br>**pocketed free-tailed bat** | F: None<br>C: SSC<br>State Rank: S2S3<br>WBWG: M<br>CVMSHCP: No | Rocky areas with high cliffs in a variety of arid areas in southern California. | **Roosting: Absent**<br>Suitable rocky cliff habitat lacking<br>**Foraging: Moderate**<br>May roost in vicinity & forage on-site. CNDDB record over 10 mi. SE (1994). |
| **Peninsular bighorn sheep DPS**<br>*Ovis canadensis nelsoni* (Pop. 2) | F: END<br>C: THR<br>State Rank: S1<br>CVMSHCP: **Yes** | Eastern slopes of the Peninsular Ranges below 4,600 feet. Optimal habitat includes steep-walled canyons/ridges bisected by rocky or sandy washes w/ available water | **Absent**<br>Suitable mountainous rocky habitat lacking. Known from San Jacinto and Santa Rosa Mountains S of site. |

## Table 7. Special Status Mammals

| Species | Status | Habitat | Probability |
|---|---|---|---|
| *Perognathus longimembris bangsi*<br>**Palm Springs pocket mouse** | F: None<br>C: SSC<br>State Rank: S2<br>CVMSHCP: **Yes** | Inhabits flat or gently sloping areas with sparse vegetative cover and packed or sandy soils. | **Low**<br>Habitat suitable but small and isolated from other undeveloped open space. Site within CVMSHCP modeled habitat for this species. Nearest CNDDB record 5 mi. E (2005). |
| *Xerospermophilus tereticaudus chlorus*<br>**Coachella Valley (Palm Springs) round-tailed ground squirrel** | F: None<br>C: SSC<br>State Rank: S1S2<br>CVMSHCP: **Yes** | Prefers open, flat, grassy areas in fine-textured, sandy soil in desert succulent scrub, desert wash, desert scrub, alkali scrub, & levees. | **Very Low**<br>Habitat suitable but small and isolated from other undeveloped open space. Ground squirrel burrows not detected. Site is within CVMSHCP modeled habitat for this species. Nearest CNDDB record 1.7 mi. N (1954). |

**Definitions of status designations and occurrence probabilities for Tables 1-7**

**Definitions for Species**

*Italics* – Scientific name (*i.e., Genus species subspecies*)

**Bold** – Standard common name

[*Genus*] – Previous genus, relatively recent taxonomic revision

var. – variety (plants only)

DPS – Distinct Population Segment

***Definitions of occurrence probability:***

***Occurs****:* Observed or detected on-site by WSP USA or recently reported by another reliable source.

***High****:* Observed in similar habitat in region by qualified biologists, or habitat on-site is a type often utilized by the species and the site is within the known range of the species.

***Moderate****:* Reported sightings in surrounding region, or site is within the known range of the species and habitat on-site is a type occasionally used by the species.

***Low****:* Site is within the known range of the species but habitat on-site is rarely used by the species

***Very Low***: Habitat is of marginal suitability and/or site is at the edge of species known range or distribution.

***Absent****:*A focused study failed to detect the species, suitable habitat not present, or site is outside the geographic distribution of the species.

***Unknown****:* No focused surveys have been performed in the region, & the species' distribution & habitat are poorly known.

***CVMSHCP designations***

**Yes: Conserved by the CVMSHCP**

No: Not Specifically Conserved by the CVMSHCP

***Federal designations:*** (F = federal Endangered Species Act or USFWS designations)

**END: Federally listed, Endangered**

**THR: Federally listed, Threatened**

**CAN: Candidate for Federal listing**

MBTA: Migratory Bird Treaty Act

BEPA: Bald Eagle Protection Act (also protects Golden Eagles)
BCC: Birds of Conservation Concern
None: No designation

***State designations*:** (C = California Endangered Species Act or CDFG designations)
**END: State listed, Endangered**
**THR: State listed, Threatened**
**CAN: Candidate for State listing**
**RARE: State listed, Rare**
**FP**: Fully Protected Species
SSC: Species of Special Concern
FGC: Fish and Game Code
WL: Watch List Species

***CDFW state rankings*** are a reflection of the overall condition of an element throughout its California range. The number after the decimal point represents a threat designation attached to the rank:

**S1** = Critically Imperiled. Less than (<) 6 Element Occurrences (EOs) OR < 1,000 individuals OR < 2,000 acres
- **S1.1** = very threatened
- **S1.2** = threatened
- **S1.3** = no current threats known

**S2** = Imperiled. 6-20 EOs OR 1,000-3,000 individuals OR 2,000-10,000 acres
- **S2.1** = very threatened
- **S2.2** = threatened
- **S2.3** = no current threats known

**S3** = Vulnerable. 21-80 EOs OR 3,000-10,000 individuals OR 10,000-50,000 acres
- **S3.1** = very threatened
- **S3.2** = threatened
- **S3.3** = no current threats known

**S4** = Apparently Secure. Uncommon but not rare in the state; some cause for long-term concern.
**S5** = Secure. Common, widespread, and abundant in the state.
**SH** = All known California sites are historical, not extant

**?** = Qualifier: Inexact or Uncertain - A question mark represents a rank qualifier, denoting an inexact or uncertain numeric rank.

***California Native Plant Society (CNPS) designations:***

Primary Categories
LIST 1A: Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere
LIST 1B: Plants Rare, Threatened, or Endangered in California and Elsewhere
LIST 2A: Plants Presumed Extirpated in California, But Common Elsewhere
LIST 2B: Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere
LIST 3: Plants About Which More Information is Needed - A Review List
LIST 4: Plants of Limited Distribution - A Watch List
Subdivisions within Categories
0.1: Seriously threatened in California
0.2: Moderately threatened in California
0.3: Not very threatened in California

## *Western Bat Working Group (WBWG) designations:*

The Western Bat Working Group is comprised of agencies, organizations and individuals interested in bat research, management and conservation from the 13 western states and provinces. Its goals are (1) to facilitate communication among interested parties and reduce risks of species decline or extinction; (2) to provide a mechanism by which current information on bat ecology, distribution and research techniques can be readily accessed; and (3) to develop a forum to discuss conservation strategies, provide technical assistance and encourage education programs.

**H**: High: Species which are imperiled or are at high risk of imperilment based on available information on distribution, status, ecology and known threats.

**M**: Medium: Species which warrant a medium level of concern and need closer evaluation, more research, and conservation actions of both the species and possible threats. A lack of meaningful information is a major obstacle in adequately assessing these species' status and should be considered a threat.

**L**: Low: Species for which most of the existing data support stable populations, and for which the potential for major changes in status in the near future is considered unlikely. There may be localized concerns, but the overall status of the species is believed to be secure. Conservation actions would still apply for these bats, but limited resources are best used on High and Medium status species.

**P**: Periphery: This designation indicates a species on the edge of its range, for which no other designation has been determined.

## 6.0 DISCUSSION

Implementation of the development of the project site would result in the incremental loss/conversion of approximately 6 acres of undeveloped and isolated stabilized desert sand field vegetated Sonoran creosote bush scrub and the biological resources, sensitive and/or otherwise, that may occur, or potentially occur, on-site. The likelihood of occurrence for many of the special status species known from the vicinity has been significantly reduced by the presence of existing adjacent commercial and residential development, which has essentially isolated the site from other surrounding undeveloped open space. Existing site disturbance (i.e., stabilization of formerly active sand dunes, offroad vehicular activity, dumping and accumulation of roadside trash) also reduces the likelihood of occurrence of many special status species. As a result, connectivity of the site to other undeveloped open space has been eliminated, or at least significantly diminished, for many terrestrial species.

The CVMSHCP was designed to streamline the permitting process and to mitigate potential impacts resulting from covered projects and the lawful activities of permittees through payment of the requisite development fee and participation in plan's requirements. A few species, which are not covered by the CVMSHCP and/or are not yet adequately conserved by the CVMSHCP (e.g., burrowing owl, nesting birds) require additional consideration and/or actions, which are detailed below.

### 6.1 Discussion of the Special Status Biological Resources Tables

A review of the CNDDB, CNPS, in-house WSP USA library and the collective knowledge of WSP USA senior biologists resulted in a total of 58 special status biological resources that are known from the vicinity of the project site (Tables 1-7). These include: 28 plants, one vegetation communities, five invertebrates, one fish, four reptiles, 10 birds and nine mammals. Of these, 38 are considered to be absent from the site due to a combination of factors ranging from the fact that they weren't detected (as in the case of Torrey's box [*Lycium torreyi*]), a lack of suitable habitat and/or the site being outside of elevational parameters or in the case of flying animals (birds and bats), they may only occur on-site to forage and will therefore not be directly impacted. The resources that are considered to be absent from the site include: Horn's milk-vetch (*Astragalus hornii var. hornii*), Lancaster milk-vetch (*Astragalus preussii* var. *laxiflorus*), triple-ribbed milk-vetch (*Astragalus tricarinatus*), California ayenia (*Ayenia compacta*), San Jacinto mariposa-lily (*Calochortus palmeri* var. *munzii*), Booth's evening primrose (*Eremothera boothii* var. *boothii*), southwestern spiny rush (*Juncus acutus ssp. leopoldii*), Cooper's rush (*Juncus cooperi*), Torrey's box-thorn, California marina (*Marina orcuttii* var. *orcuttii*), spear-leaf matelea (*Matelea parvifolia*), narrow-leaf sandpaper-plant (*Petalonyx linearis*), Deep Canyon snapdragon (*Pseudorontium cyanthiferum*), desert spike-moss (*Selaginella eremophila*), Cove's cassia (*Senna covesii*), purple stemodia (*Stemodia durantifolia*), Mecca-aster (*Xylorhiza cognata*), desert fan palm oasis

woodland, Casey's June beetle (*Dinacoma caseyi*), cheeseweed owlfly (*Oliarces clara*), desert pupfish (*Cyprinodon macularius*), northern red diamond rattlesnake (*Crotalus ruber ruber*), desert tortoise (*Gopherus agassizi*), nesting golden eagle (*Aquila chrysaetos*), nesting Costa's hummingbird (*Calypte costae*), nesting southwestern willow flycatcher (*Empidonax traillii extimus*), nesting prairie falcon (*Falco mexicanus*), nesting loggerhead shrike (*Lanius ludovicianus*), nesting black-tailed gnatcatcher (*Polioptila melanura*), nesting vermilion flycatcher (*Pyrocephalus rubinus*), nesting crissal thrasher (*Toxostoma crissale*), nesting Le Conte's thrasher (*Toxostoma lecontei*), Earthquake Merriam's (Aguanga) kangaroo rat (*Dipodomys merriami collinus*), roosting western yellow bat (*Lasiurus xanthinus*), Colorado Valley woodrat (*Neotoma albigula venusta*), San Diego desert woodrat (*Neotoma lepida intermedia*), roosting pocketed free-tailed bat (*Nyctinomops femorosaccus*) and Peninsular bighorn sheep DPS (*Ovis canadensis nelsoni* [Pop. 2]). These special status biological resources will not be discussed further.

Eight of the remaining 17 species are fully covered and conserved under the CVMSHCP. Participation in the CVMSHPS and payment of the requisite CVMSHCP development fee and participation in the plan is expected to fully mitigate project related impacts (if any) to these species. These include: Coachella Valley milk-vetch, Coachella giant sand treader cricket (*Macrobaenetes valgum*), Coachella Valley Jerusalem cricket (*Stenopelmatus cahuilaensis*), flat-tailed horned lizard (*Phrynosoma mcallii*), Coachella Valley fringe-toed lizard (*Uma inornata*), burrowing owl (*Athene cunicularia*), Palm Springs pocket mouse (*Perognathus longimembris bangsi*) and Coachella Valley (Palm Springs) round-tailed ground squirrel (*Xerospermophilus tereticaudus chlorus*). The site is within CVMSHCP modeled habitat for Coachella Valley milk-vetch, Coachella giant sand-treader cricket, Coachella Valley Jerusalem cricket, flat-tailed horned lizard, Coachella Valley fringe-toed lizard, Palm Springs pocket mouse and Coachella Valley (Palm Springs) round-tailed ground squirrel. Regardless of whether these species occur on the project site or not, participation in the CVMSHCP and payment of the development fee is designed and intended to provide full coverage of all potential project-related impacts. One of these species, burrowing owl, however, may require additional considerations and/or actions for CVMSHCP compliance, which will be discussed below. The remaining species will not be discussed further.

The remaining 10 species, which are not covered, or not fully covered, under the CVMSHCP are discussed separately below.

### 6.1.1 Potentially Occurring Plant Species Not Covered Under the CVMSHCP

Chaparral sand-verbena is considered to have at least a low potential of occurrence on-site as the site is within the known geographic distribution and the elevational parameters of the species (80-1600 m [262-5249 ft.]) and it is associated with sandy areas in chaparral, coastal sage scrub and desert dune habitats. Sand-verbena (*Abronia villosa*) was observed on-site during the assessment, however, a determination of the variety present was not concluded as the on-site plants were no

longer flowering. It is more likely that the on-site sand-verbena is the common desert sand-verbena (*Abronia villosa* var. *villosa*), as this variety is abundant and common throughout the region. Nevertheless, WSP USA considers there to be at least a low potential for chaparral sand-verbena to occur on-site based on the presence of potentially suitable habitat and known locations of this variety occurring in the immediate vicinity (approximately 1.7 miles southeast of the project site) in 2001 (CNDDB 2023). Chaparral sand-verbena is not listed as threatened or endangered by any of the regulatory agencies. It has, however, been designated as a List 1B.1 species by the CNPS meaning that it is considered to be "rare, threatened or endangered in California and elsewhere" and "seriously threatened in California" by the CNPS. Chaparral sand-verbena has also been assigned a state rank of S2 by the CDFW which means that this plant is considered to be "imperiled" in California. This species is not covered under the CVMSHCP so development fees and participation in the plan offer no mitigation for impacts to this species (if any). If a significant population were to be present on-site, unmitigated impacts could be considered significant under the CEQA. The likelihood of a significant population of chaparral sand-verbena occurring on the project site is, however, considered to be even lower (very low/remote) based on the limited amount of remnant suitable habitat, the isolated nature and disturbed condition of the site. Potential impacts to a few individuals (if present) would not be expected to cause the greater population of chaparral sand-verbena to drop to a less than self-sustaining level, especially considering the isolated nature of the site. For these reasons, impacts to chaparral sand-verbena (if any) are considered not likely to meet the threshold of significance under the CEQA, despite its 1B.1 and S2 designations. Consequently, a focused survey for chaparral sand-verbena is not anticipated to be required at this time.

Borrego milk-vetch is considered to have a low potential of occurrence as it is associated with sandy soils in Sonoran Desert scrub within the elevational range of the project site (30-895 m [100-2935 ft]) and it has been reported from the Cathedral City quadrangle (CNPS 2023). This species was not detected during the field assessment; however, the assessment was conducted outside of this species blooming period (February-May). Borrego milk-vetch is not listed as threatened or endangered but is designated as S4 by the CDFW and List 4.3 by the CNPS meaning that it is considered to be "apparently secure, uncommon but not rare in the state but some cause for long-term concern" by the CDFW and "plant of limited distribution - Watch List" species and it is "Not very threatened" in California. This species is not covered under the CVMSHCP, thus development fees and participation in the plan offer no mitigation for impacts (if any). If a significant population were to be present, unmitigated impacts may be considered significant under the CEQA. Like chaparral sand-verbena above, the likelihood of a significant population of Borrego milk-vetch occurring on the project site, however, is considered very low/remote based on the small size, isolated condition and disturbed nature of the site. For these reasons and since it is considered to be "apparently secure" and "not very threatened in California", potential impacts to a few Borrego milk-vetch (if any) would not be expected to result in reducing the population

to a less than self-sustaining level. As a result, impacts to Borrego milk-vetch (if any) would not likely fall under the threshold of significance under the CEQA at this site. Thus, focused surveys for this species are not anticipated to be required at this time.

WSP USA considers there is a very low potential for pointed dodder to occur on-site as suitable habitat (Sonoran Desert scrub) is present. No dodder species of any kind were detected during the assessment that was conducted during this species blooming period (February-August). Pointed dodder is not listed as threatened or endangered. It is, however, designated as S3? by the CDFW meaning that it is considered "vulnerable" but a specific threat designation is currently unknown. This species is also assigned List 3 status meaning that "more information is needed" and that it is considered a "Review List" species by the CNPS. Like the other plant species discussed in this section, pointed dodder is not a CVMSHCP-covered species, therefore payment of development fees and participation in the plan offer no mitigation for unavoidable impacts to this species. Impacts could be considered significant under the CEQA if a significant population were to be present. The likelihood of a significant population occurring on the relatively small, isolated and disturbed site is considered to be very low/remote as dodder would likely have been detected during the assessment, if it were present, due to this species conspicuous appearance when growing on and parasitizing other plant species. Potential impacts to a single or even a few individuals (if present) are unlikely to cause the greater population to drop to a less than self-sustaining level. Therefore, impacts (if any) to pointed dodder on this site are not anticipated be considered significant under the CEQA. For these reasons, focused surveys for pointed dodder are not expected to be required at this site.

Glandular ditaxis was not detected on-site, however the assessment was conducted outside the species blooming period (October-March) and thus it may have been dormant, undetectable and/or easily overlooked. This species is considered to have at least a low potential of occurrence due to the presence of potentially suitable habitat (Mojavean and Sonoran desert scrub) and the known records of this species from the vicinity. The closest CNDDB record of glandular ditaxis relative to the site is approximately 3.9 mi. south in 2012 (CNDDB 2023). This species is not listed as threatened or endangered, however, is designated as a List 2B.2 species by the CNPS meaning that this species is considered to be "rare, threatened or endangered in California, but more common elsewhere" and "moderately threatened in California" by the CNPS. Glandular ditaxis has also been designated a state rank of S2 meaning that it is considered to be "imperiled" in California. This species is not covered under the CVMSHCP, therefore development fees and participation in the plan would offer no mitigation for impacts to this species (if any). If a significant population were to be present on-site, unmitigated impacts may be considered significant under the CEQA. WSP USA considers the likelihood of a significant population of glandular ditaxis occurring on the project site to be even lower than the potential occurrence of just a few individuals based on the small size, isolation from other suitable habitat and disturbed nature of

the habitat on the site. Potential impacts to a few individuals of this species (if present) are unlikely to cause the greater population to drop to a less than self-sustaining level. Therefore, impacts (if any) are considered unlikely to meet the threshold of significance under the CEQA. For these reasons, a focused survey for glandular ditaxis is not expected to be required at this time.

California ditaxis was not detected on-site during the assessment despite the timing of the assessment during the species blooming period (March-December). This species is nevertheless considered to have at least a low potential of occurrence due to the presence of potentially suitable habitat (Sonoran desert scrub), the site located within the species' elevational range and its occurrence in the vicinity (CNPS 2023). California ditaxis is not listed as threatened or endangered by either the CDFW or USWFW. This species has been designated as a List 3.2 species, generally meaning that "more information is needed" but that it is considered a "moderately threatened in California" by the CNPS. California ditaxis has also been assigned a state rank of S2? Meaning that the species is generally considered to be "imperiled" in the state but that the assigned rank is inexact or uncertain. Like the other species above, California ditaxis is not a CVMSHCP-covered species, therefore development fees offer no mitigation for impact (if any). Impacts could be considered significant under the CEQA if a significant population were to be present on-site. The likelihood of a significant population occurring on the remnant habitat of the relatively small, isolated and disturbed site, however, is considered to be very low/remote. Potential impacts to a few individuals (if present) are unlikely to cause the greater population to drop to a less than self-sustaining level given the relative small size of the site, the sites isolation from other areas of potentially suitable habitat and its disturbed condition. Therefore, impacts to California ditaxis (if any) would not likely be considered significant under the CEQA. As a result, a focused survey for California ditaxis at this site is not anticipated to be required.

Abram's spurge is considered to have at least a low potential of occurrence as it is associated with sandy soils in Mojavean and Sonoran Desert scrub within the elevational parameters of the site and the fact that it is known from the vicinity. This species was not detected during the field assessment as the assessment was conducted outside of this species blooming period (September-November). Abram's spurge is not listed as threatened or endangered but is designated as S2 by the CDFW and List 2B.2 by the CNPS meaning that it is considered to be "imperiled" by the CDFW and "rare, threated or endangered in California but more common elsewhere" and "moderately threatened in California". The nearest known location of this species relative to the project site is approximately 4.5 miles east from 1968 (CNDDB 2023). Abram's spurge is not covered under the CVMSHCP; thus, development fees and participation offer no mitigation for impacts (if any). If a significant population were to be present, unmitigated impacts may be considered significant under the CEQA. Although it is possible that Abram's spurge could occur on-site, it is the opinion of WSP USA that the likelihood of a significant population of this

species occurring on the small and isolated site to be highly unlikely. For these reasons, a focused survey for Abram's spurge is not anticipated to be required.

Arizona spurge was not observed on-site during the assessment but is considered to have a low potential of occurrence due to its association with sandy soils in Sonoran Desert scrub within the elevational parameters of the site and its known occurrence in the vicinity (approximately 5.4 mi. north in 2001 [CNDDB 2023]). It should be noted that the assessment was conducted outside of this species blooming period (March-April) and as a result could have been undetectable or easily overlooked. Arizona spurge is not listed as threatened or endangered but is designated as S3 by the CDFW and List 2B.3 by the CNPS meaning that it is considered to be "vulnerable" by the CDFW and "rare, threated or endangered in California but more common elsewhere" and "not very threatened in California". Arizona spurge is not covered under the CVMSHCP; thus, development fees and participation offer no mitigation for impacts (if any). If a significant population were to be present, unmitigated impacts may be considered significant under the CEQA. The likelihood of a significant population of Arizona spurge occurring on the project site, however, is very low/remote based on the small size, isolated and disturbed nature of the site. Potential impacts to a few individuals (if present) are unlikely to cause the greater population to drop to a less than self-sustaining level. For these reasons, impacts (if any) would not likely be considered significant under the CEQA. As a result, a focused survey for Arizona spurge is not expected to be required.

There is a very low potential for flat-seeded spurge to occur on-site as suitable habitat (sandy Sonoran Desert scrub) is present but small in size, isolated, disturbed and appears to be stabilizing or partially stabilizing. This species was not detected during the field assessment, despite the assessment being conducted during this species blooming period (February-September). The nearest known record of flat-seeded spurge relative to the project site is a record from 1964 approximately 1.5 miles north (CNDDB 2023). Flat-seeded spurge is not listed as threatened or endangered; it is, however, designated as S1 by the CDFW meaning that it is designated as "Critically Imperiled" by the CDFW and CNPS List 1B.2 meaning that "rare, threated or endangered in California and elsewhere" and "moderately threatened in California" by the CNPS. Flat-seeded spurge is not a CVMSHCP-covered species; therefore, development fees offer no mitigation and impacts could be considered significant under the CEQA if a significant population were to be present. The likelihood of a significant population occurring on the remnant habitat on the project site is considered extremely low/remote. As a result, potential impacts to a few individuals (if present) are unlikely to cause the greater population to drop to a less than self-sustaining level. For these reasons, impacts (if any) are not anticipated to fall under the threshold of significance under the CEQA. Consequently, a focused survey for flat-seeded spurge is not anticipated to be required.

Ribbed cryptantha is considered to have a low potential of occurrence as it is associated with sandy soils in Sonoran Desert scrub and has been reported from the Cathedral City quadrangle. This species was not detected during the field assessment as the assessment was conducted outside of this species blooming period (February-May). Ribbed cryptantha is not listed as threatened or endangered but is designated as S4 by the CDFW and List 4.3 by the CNPS meaning that it is considered to be "Apparently Secure; but some cause for long-term concern" by the CDFW and "Plant of limited distribution, a Watch List species" and "not very threatened in California". Ribbed cryptantha is not covered under the CVMSHCP, thus development fees and participation offer no mitigation for impacts. If a significant population were to be present, unmitigated impacts could be considered significant under the CEQA. The likelihood of a significant population of this species occurring on the project site, however, is considered to be even lower than the potential occurrence of just a few individuals based on the small size, isolated condition and disturbed nature of the site. For these reasons and considering that its "apparently secure" and "not very threatened in California" designations, potential impacts to a few ribbed cryptantha (if any) would not be expected to result in reducing the population to a less than self-sustaining level. As a result, impacts to ribbed cryptantha (if any) would not likely be considered significant under the CEQA. Therefore, a focused plant survey for ribbed cryptantha is not expected to be required.

There is a very low potential for slender cottonheads to occur on-site as suitable habitat (sandy soils in Sonoran Desert scrub) is present. This species was not detected during the field assessment; however, the assessment was conducted outside of this species blooming period (Mar-May). Slender cottonheads is not listed as threatened or endangered; this species is, however, designated as S2 by the CDFW meaning that it is designated as "imperiled" by the CDFW and List 2B.2 meaning that it is considered to be "rare, threatened or endangered in California, but more common elsewhere" and "moderately threatened in California" by the CNPS. Slender cottonheads is not a CVMSHCP-covered species, therefore development fees offer no mitigation and impacts could be considered significant under the CEQA if a substantial population were to be present. Due to the small size, isolated nature and disturbed condition of the habitat on-site, the likelihood of a significant population occurring on the project site is considered to be extremely low/remote. Potential impacts to a few individuals (if present) are unlikely to cause the greater population of slender cottonheads to drop to a less than self-sustaining level. Therefore, impacts (if any) are not anticipated to be considered significant under the CEQA. A focused plant survey for this species is not recommended.

### 6.1.2 Potentially Occurring Invertebrates Not Covered Under the CVMSHCP

Crotch bumble bee is not covered by the CVMSHCP and is considered to have a very low potential to occur on-site due to the presence of remnant Sonoran Desert scrub. This species is not currently

state or federally listed as endangered or threatened. This species was petitioned for listing as endangered under the California Endangered Species Act. In 2018. In 2019, CDFW determined that listing this species as endangered may be warranted and was updated to a Candidate Species. This decision was challenged in court and was its protection as a candidate species was stayed. It's candidacy was reinstated in September 2022. As a candidate species for state listing by the CDFW, it is afforded the same legal protection as a federal or state listed endangered species. This species is designated with a state rank of S1S2, which means the CDFW considers it to be between "critically imperiled" and "imperiled".

In the unlikely event that this species occurred on-site, it would not be expected to persist long term due to the small size, isolated nature, disturbed condition of the site and the general lack of adjacent undeveloped, natural open space needed for foraging and dispersal. Also, the key plant species identified as nectar sources for this species are not present. For these reasons, we do not anticipate Crotch's bumble bee establishing a hive on-site. However, any project related impacts associated with dispersing individuals would require an incidental take permit. If present, project-related impacts would be considered significant under the CEQA as implementation of the proposed project may result in direct impact to a dispersing individual. Since there are known occurrences of Crotch's bumble bee within seven miles, protocol surveys are recommended, but only if vegetation removal and initial soil disturbance must occur within the known flight season for the bumble bee. If initial construction activities can avoid the flight season (March to July), then the species can be completely avoided and no protocol surveys or monitoring will be required.

### 6.1.3 Desert Tortoise

The desert tortoise is federally and state listed as threatened by the CDFW and USFWS. Although this species is covered under the CVMSHCP, further actions are required in some cases to ensure that mortality of desert tortoise is entirely avoided and/or direct take is minimized to the greatest extent possible. No live desert tortoises or sign thereof (i.e., burrows, scat, prints, carcass remains, courtship rings, drinking depressions) were observed on-site during the assessment. The site is relatively small (6 acres) and isolated from other undeveloped open space by existing and on-going development is all directions. Additionally, on-site soils are sandy, likely formerly part of an extensive sand dune system in the Coachella Valley, that appear to be in the process of transitioning to more stabilized substrates as a result of existing developments interfering with the deposition of upwind blow sand sources. For these reasons, although the desert tortoise is associated with Sonoran creosote bush scrub vegetation, other existing site conditions (i.e., isolation, existing adjacent development, sandy soils, etc.) are factors that very likely preclude this conspicuous and wide-ranging species from occurring on the site. For these reasons, it is the opinion of WSP USA that desert tortoise is very likely absent from the project site and that focused

surveys are not warranted or anticipated to be required. Project implementation is anticipated to have no impact on the desert tortoise.

### 6.1.4 Burrowing Owl

The burrowing owl is not listed as threatened or endangered by the USFWS or CDFW. It is, however, managed as a BCC by the USFWS and designated as a SSC by the CDFW. It is also protected from take by the MBTA and FGC. The burrowing owl is a covered species under the CVMSHCP, however the federal permit for the CVMSHCP does not allow take of this species under the MBTA. Any impacts or disturbance to burrowing owls would be considered significant under the CEQA. Although burrowing owls, and/or sign thereof, were not observed or detected on-site during the assessment, potentially suitable habitat (i.e., sparse Sonoran creosote bush scrub) remains present (Appendix D). No burrows of sufficient size were observed on-site at the time of the assessment (only small invertebrate, lizard and/or rodent burrows were observed). The site is relatively small (6 acres) and surrounded on all sides by existing and on-going development, which has isolated the biological resources on-site from any other available undeveloped open space, which further reduces the overall likelihood of burrowing owl occurring on-site. As a result, burrowing owls are considered unlikely to occur on-site, however the potential is not zero and thus considered to be low. For these reasons, and because the site is not located within a CVMSHCP conservation area, it is the opinion of WSP USA that a pre-construction (take avoidance) survey for burrowing owl is anticipated to be required and would be sufficient to confirm that burrowing owls do not occur and will not be affected by project implementation.

### 6.1.5 Additional Bird Species Protected by the Migratory Bird Treaty Act

Excluded from coverage under the CVMSHCP are a variety of common bird species that are protected by the MBTA and FGC. This includes virtually all native migratory and resident bird species, including birds observed on-site and/or known to occur in the vicinity. Avoidance of impacts to these nesting migratory and resident birds is a requirement of the federal permit issued for the CVMSHCP. In order to avoid potentially impacting nesting birds, either avoidance of the initial project-related disturbance (i.e., grading, vegetation removal, operation of heavy equipment, construction, etc.) during the nesting season (1 February through 31 August) or if initial project-related site construction activities cannot be avoided during the nesting season, a nesting bird clearance survey conducted by a qualified ornithologist or biologist immediately prior to scheduled on-site disturbance is recommended. If nesting birds are found, no work buffer zones would need to be established and observed where no work would be permitted until young have fledged. While there is no established protocol for nest avoidance, when consulted the CDFW generally recommends avoidance buffers of about 100–300 feet for unlisted songbirds and 500 feet for listed songbirds and raptors.

### 6.1.6 Potentially Occurring Mammal Species Not Covered by the CVMSHCP

The pallid San Diego pocket mouse is not listed as threatened or endangered by the USFWS or CDFW. This species is designated as a Species of Special Concern (SSC) by the CDFW but not covered under the CVMSHCP. It is ranked S3S4 which means that it is "vulnerable to apparently secure". It is known to occur in desert border areas in washes, desert scrub with sandy/gravelly soils, often in rocky areas. On-site habitat is considered to be marginally suitable, limited and isolated from other undeveloped open space areas. For these reasons, this species is considered to have a very low potential of occurrence. Although small mammal trapping would be the only way to determine the status of pallid San Diego pocket mouse on-site, project-related impacts (if any), even if this species were present, would be not likely meet the threshold of significance under the CEQA as implementation of the proposed project would not likely result in: 1) a substantial reduction of habitat for this species, 2) a drop in self-sustaining population levels, 3) an elimination of this species population levels, or 4) substantially reduce this species numbers or reduce its geographic range. As a result, a focused survey for this pallid San Diego pocket mouse is not anticipated to be required.

### 6.1.7 Jurisdictional Areas

The project site is located within an area of stabilized sand fields. No creeks, rivers, drainages, ponds, lakes, pools or areas that would appear to hold water were observed on-site. For these reasons, a jurisdictional delineation or determination of the presence of Waters of the U.S. or Waters of the State is not expected to be required.

## 7.0 CONCLUSION

The city of Rancho Mirage is a signatory to the CVMSHCP (CVCC 2023). Therefore, payment of the required development fees for approved projects are anticipated to mitigate the impacts and/or potential impacts to covered species resulting from the loss/conversion of the natural open space present on-site. Covered species that are considered to have at least some potential of on-site occurrence include: Coachella Valley milk-vetch, Coachella giant sand treader cricket, Coachella Valley Jerusalem cricket, flat-tailed horned lizard, Coachella Valley fringe-toed lizard, burrowing owl and Coachella Valley (Palm Springs) round-tailed ground squirrel. With the exception of burrowing owl, impacts to these species (if present) and their respective habitat, would be fully covered and mitigated under the CVMSHCP with the payment of the requisite development fee and participation in the requirements of the plan.

Although burrows suitable for burrowing owl were not observed and the species is considered to no likely occur on the project site, WSP USA recommends a final pre-construction (take avoidance) survey immediately prior to commencement of project ground disturbance, grading and/or

vegetation clearance to ensure that burrowing owl do not occur and will not be affected. If burrowing owls are detected on-site, the CDFW would need to be contacted for guidance. If burrowing owls are detected on-site, relocation may be required, in coordination with the CVCC and CDFW. The likelihood of burrowing owls occurring on-site is low.

Impacts to other bird species protected by the MBTA and FGC, including but not limited to ground-nesting species such as mourning (*Zenaida macroura*), killdeer (*Charadrius vociferus*) and lesser nighthawk (*Chordeiles acutipennis*), require 100% avoidance. If initial project activities (i.e., site grading, vegetation removal/trimming, earthwork, etc.) are conducted during the nesting season (i.e., generally between 1 February and 31 August), a nesting bird clearance survey conducted by a qualified ornithologist or biologist immediately prior to scheduled disturbance is recommended to ensure impacts to nesting birds are entirely avoided. If project activities are conducted outside of the nesting season, a nesting bird clearance survey could likely be avoided. If nesting birds are found, no work buffer zones would need to be established and observed where no work would be permitted until young have fledged. Periodic monitoring of the nests is also recommended to document the status of the nest(s) and determine when the young have fledged and construction could proceed without impacting nesting birds. While there is no established protocol for nest avoidance, when consulted the CDFW generally recommends avoidance buffers of about 100–300 feet for unlisted songbirds and 500 feet for listed songbirds and raptors. If active bird nests are found, at any time, proposed project activities would need to be halted and postponed until young have fledged the nest and impacts to nesting birds are entirely avoided.

Since Crotch's bumblebee is still listed as a candidate species. If construction activities cannot avoid the flight season, a protocol-level survey will be required. If present, an incidental take permit under Section 2081 of the California Fish and Game Code. Avoiding the flight season will allow construction activities to proceed without the need for a protocol-level survey or obtaining an incidental take permit.

With participation in and compliance with the requirements of the CVMSHC and implementation of the recommendations above, impacts to special status biological resources are anticipated to be mitigated to a less than significant level.

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# APPENDIX A

# SPECIES LIST: VASCULAR PLANTS

# APPENDIX A
## Species List: Vascular Plants

This list reports only plants observed on the site by this study. Other species may have been overlooked or undetectable due to their growing season. [†= *special status species,* * = non-native species, sp. = identified only to genus, *cf*= compares favorably with]

| **Asteraceae** | **Sunflower Family** |
|---|---|
| *Ambrosia Dumosa* | white bur-sage |
| *Dicoria canescens* | desert dicoria |
| *Palafoxia arida* | Spanish needles |
| **Boraginaceae** | **Borage Family** |
| *Johnstonella angustifolia* | narrow-leaved johnstonella |
| **Brassicaceae** | **Mustard Family** |
| *Brassica tournefortii** | Saraha mustard* |
| **Chenopodaceae** | **Goosefoot Family** |
| *Salsola tragus** | Russian thistle* |
| **Ehretiaceae** | **Ehretia Family** |
| *Tiquilia plicata* | fan-leaved tiquilia |
| **Euphorbiaceae** | **Spurge Family** |
| *Croton californicus* | California croton |
| **Fabaceae** | **Pea Family** |
| *Lupinus* sp. | unidentified lupine |
| *Psorothamnus cf. emoryi* | Emory's indigo bush |
| **Nyctaginaceae** | **Four O'clock Family** |
| *Abronia villosa* (likely var. *villosa*) | desert sand-verbena |
| **Onagraceae** | **Evening Primrose Family** |
| *cf. Eremothera* sp. | unidentified evening primrose |
| **Zygophyllaceace** | **Caltrop family** |
| *Larrea tridentata* | creosote bush |
| **Poaceae** | **Grass family** |
| *Bromus tectorum** | cheatgrass* |
| *Schismus cf. barbatus** | Mediterranean grass* |

# APPENDIX B

# SPECIES LIST: VERTEBRATE ANIMALS

# APPENDIX B

## Species List: Vertebrate Animals

This list reports only the vertebrate animals observed or detected by WSP USA during the field assessment. Other species may have been overlooked or undetectable due to their activity patterns or weather conditions. [† = *special status species,* * = non-native species, sp. = identified only to genus, *cf* = compares favorably with]

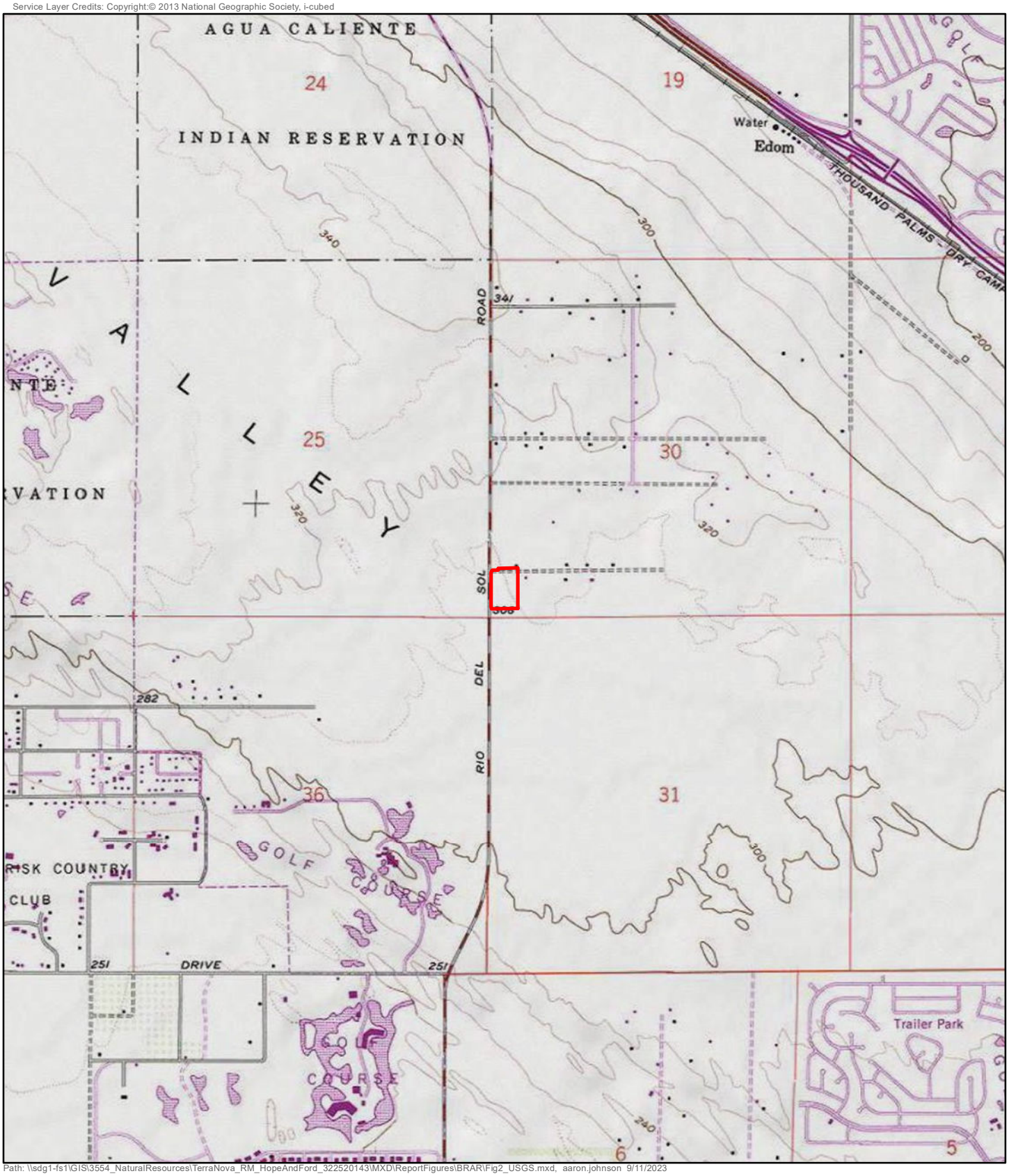
| **VERTEBRATES** | |
|---|---|
| **REPTILIA** | **REPTILES** |
| **Iguanidae** | **Iguanas** |
| *Dipsosaurus dorsalis* | desert iguana |
| **Phrynosomatidae** | **Spiny Lizards & Relatives** |
| *Callisaurus draconoides* | zebra-tailed lizard |
| **AVES** | **BIRDS** |
| **Columbidae** | **Pigeons & Doves** |
| *Streptopelia decaocto** | Eurasian collared-dove* |
| *Zenaida macroura* | mourning dove |
| **Cuculidae** | **Cuckoos, Roadrunners & Anis** |
| *Geococcyx californianus* | greater roadrunner |
| **Tyrannidae** | **Tyrant Flycatchers** |
| *Tyrannus verticalis* | western kingbird |
| **Corvidae** | **Crows & Ravens** |
| *Corvus corax* | common raven |
| **Remizidae** | **Penduline Tits & Verdins** |
| *Auriparus flaviceps* | Verdin |
| **Mimidae** | **Mockingbirds & Thrashers** |
| *Mimus polyglottos* | northern mockingbird |
| **MAMMALIA** | **MAMMALS** |
| **Geomyidae** | **Pocket Gophers** |
| *Thomomys bottae* | Botta's pocket gopher |

# APPENDIX C

# FIGURES


# FIGURE 1

Regional Map
Rancho Mirage Hope and Ford Project
Rancho Mirage, CA

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1 inch = 2,000 feet
0 1,000 2,000 Feet

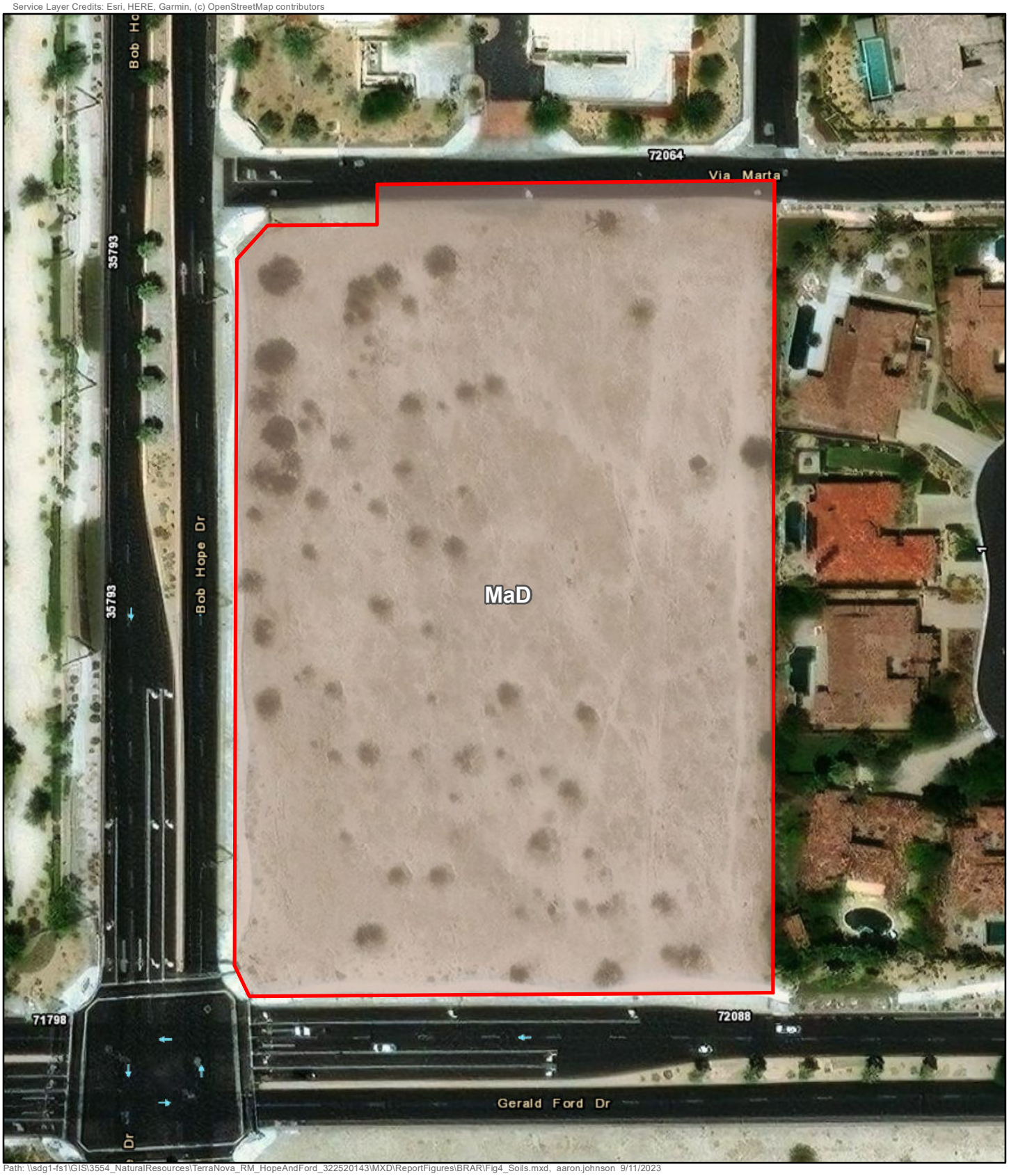
Project Location

# FIGURE 2

USGS 7.5' Topo Quad: Cathedral City
Rancho Mirage Hope and Ford Project
Rancho Mirage, CA


# FIGURE 3

CVMSHCP Areas In Vicinity
Rancho Mirage Hope and Ford Project
Rancho Mirage, CA




Project Location

MaD - Myoma fine sand, 5 to 15 percent slopes

# FIGURE 4

Soils

Rancho Mirage Hope and Ford Project

Rancho Mirage, CA


Path: \\sdg1-fs1\GIS\3554_NaturalResources\TerraNova_RM_HopeAndFord_322520143\MXD\ReportFigures\BRAR\Fig5_Vegetation.mxd, aaron.johnson 9/11/2023

1 inch = 100 feet
0 50 100 Feet

wsp

Project Location
Sonoran Creosote Bush Scrub

# FIGURE 5

Vegetation Communities
Rancho Mirage Hope and Ford Project
Rancho Mirage, CA

# APPENDIX D

# PHOTOGRAPHIC EXHIBITS

# BOB HOPE DRIVE & GERALD FORD DRIVE SKILLED NURSING FACILITY PROJECT

## PHOTOGRAPHIC LOG


**Photo 1:** Representative condition of the site. View facing north from southwestern corner of site. Via Marta and existing commercial development (TMJ Head & Neck Pain Center) in background, Bob Hope Drive on left. Offroad vehicular tracks evident.


**Photo 2**: Representative condition of the site. View facing east from southwestern corner of site. Existing adjacent residential development in background, Gerald Ford Drive on right. Offroad vehicular tracks evident.

# BOB HOPE DRIVE & GERALD FORD DRIVE SKILLED NURSING FACILITY PROJECT

## PHOTOGRAPHIC LOG

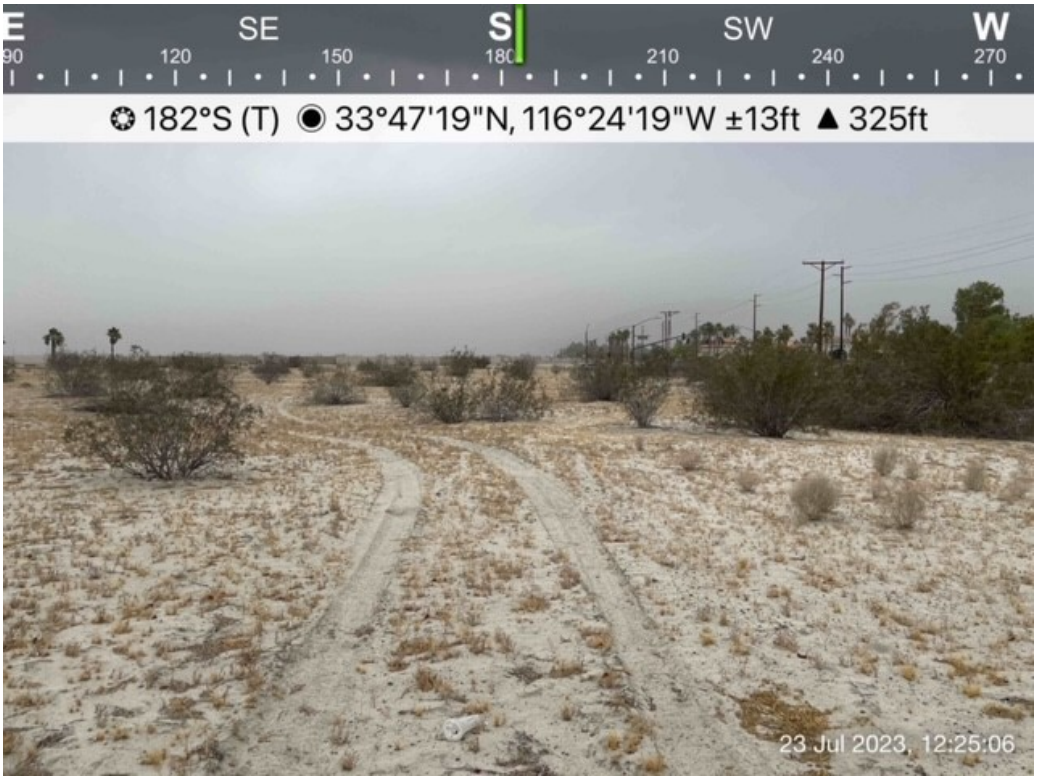



**Photo 3**: Representative condition of the site. View facing south from northwestern corner of site. Bob Hope Drive on right, Gerald Ford Drive in background. Minor offroad vehicular tracks evident.


**Photo 4**: Representative condition of the site. View facing west from northeastern corner of site. Via Marta and existing commercial development (TMJ Head & Neck Pain Center) on right. Minor offroad vehicular tracks evident.

# BOB HOPE DRIVE & GERALD FORD DRIVE SKILLED NURSING FACILITY PROJECT

## PHOTOGRAPHIC LOG


**Photo 5**: Representative condition of the site. View facing south from northeastern corner of site. Existing residential development on left, Bob Hope Drive on right, Gerald Ford Drive in background.


**Photo 6**: Representative condition of the site. View facing west from southeastern corner of site. Gerald Ford Drive on left, Bob Hope Drive and existing residential development in background.

GEOTECHNICAL INVESTIGATION

PROPOSED SKILLED NURSING FACILITY

APN 685-120-003 & 004

NEC GERALD FORD DRIVE AND BOB HOPE DRIVE

RANCHO MIRAGE, CALIFORNIA

-Prepared By-

Sladden Engineering

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August 28, 2023

Project No. 544-23112
23-07-368

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Subject: Geotechnical Investigation

Project: Proposed Skilled Nursing Facility
APN 685-120-003 & 685-120-004
NEC Gerald Ford Drive and Bob Hope Drive
Rancho Mirage, California

Sladden Engineering is pleased to present the results of the geotechnical investigation for the skilled nursing facility proposed for the subject site (APN 685-120-003 & 004) located on Gerald Ford Drive in the City of Rancho Mirage, California. Our services were completed in accordance with our proposal for geotechnical engineering services dated March 2, 2023 and your authorization to proceed with the work. The purpose of our investigation was to explore the subsurface conditions on the site to provide recommendations for foundation design and the design of the various site improvements. Evaluation of environmental issues and hazardous wastes were not included within the scope of services provided.

The opinions, recommendations and design criteria presented in this report are based on our field exploration program, laboratory testing and engineering analyses. Based on the results of our investigation, it is our professional opinion that the proposed project should be feasible from a geotechnical perspective provided that the recommendations presented in this report are implemented in design and carried-out through construction.

We appreciate the opportunity to provide service to you on this project. If you have any questions regarding this report, please contact the undersigned.

Respectfully submitted,
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GEOTECHNICAL INVESTIGATION
PROPOSED SKILLED NURSING FACILITY
APN 685-120-003 & 004
NEC GERALD FORD DRIVE AND BOB HOPE DRIVE
RANCHO MIRAGE, CALIFORNIA

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## INTRODUCTION

This report presents the results of the geotechnical investigation performed by Sladden Engineering (Sladden) for the skilled nursing facility proposed for the project site (APN 685-120-003 & 004) located on the northeast corner of Bob Hope Drive and Gerald Ford Drive in the City of Rancho Mirage, California. The site is located at approximately 33.7881 degrees north latitude and 116.4051 degrees west longitude. The approximate location of the site is indicated on the Site Location Map (Figure 1).

Our investigation was conducted to evaluate the engineering properties of the subsurface materials, to evaluate their *in-situ* characteristics, and to provide engineering recommendations and design criteria for site preparation, foundation design and the design of various site improvements. This study was conducted in general conformance with the criteria outlined in the California Geological Survey - Note 48 (CGS, 2022). Our study included a review of pertinent published and unpublished geotechnical and geological literature regarding seismicity, at and near the subject site.

## PROJECT DESCRIPTION

Based on the provided project plans (PVG Architects, 2023), it is our understanding that the project will consist of constructing a new skilled nursing facility on the site. The new building will occupy approximately 40,000 square feet ($ft^2$) of new building footprint. In addition, concrete flatwork, paved parking areas, landscape areas and various associated site improvements are also anticipated. We expect that the proposed skilled nursing facility will consist of a one-story, wood frame or steel-frame structure supported on conventional shallow spread footings with concrete slabs-on-grade.

Based on the generally level topography of the site, Sladden anticipates that grading will be limited to minor cuts and fills to construct the desired pad elevation and to provide adequate gradients for site drainage. This does not include our recommendation to overexcavate and replacement compaction of the foundation bearing soil within the building envelope.

Structural foundation loads were not available at the time we prepared this report. Based on our experience with relatively lightweight wood-frame and steel frame structures, we expect that isolated column loads will be less than 50 kips and that continuous wall loads will weigh less than 5 kips per linear foot. If these assumed loads vary significantly from the actual loads, we should be consulted to verify the applicability of the recommendations presented in this report.

## SCOPE OF SERVICES

The purpose of our investigation was to determine specific engineering characteristics of the surface and near surface soil to develop foundation design criteria and recommendations for site preparation. Exploration of the subject site was achieved by excavating ten (10) exploratory bores to depths between approximately 11 to 51 feet below the existing ground surface (bgs). Specifically, our site characterization consisted of the following tasks:

- Site reconnaissance to assess the existing surface conditions on and adjacent to the site.
- Excavated ten (10) exploratory bores to depths between approximately 11 to 51 feet bgs to characterize the near surface soil conditions. Representative samples of the soil were classified in the field and retained for laboratory testing and engineering analyses.
- Performed laboratory testing on selected soil samples to evaluate the engineering characteristics of the site soil.
- Reviewed geologic literature and geologic hazards.
- Performed engineering analyses to develop recommendations for foundation design and site preparation.
- The preparation of this report summarizing our work at the site.

## SITE CONDITIONS

General. The site is formally identified by the County of Riverside as APN 685-120-003 & 004 and consists of approximately 5.67 acres of undeveloped land. At the time of our investigation, the site was covered with scattered low growth native vegetation. The property is near the elevation of the adjacent properties and roadways, and is bounded by Gerald Ford Drive to the south, Bob Hope Drive to the west, Via Marta to the north, and developed residential properties to the east.

Topography and Drainage. The site consists of undulating topography consistent with the eolian sand deposits throughout the site vicinity. Based on our review of the Cathedral City 7.5-Minute Quadrangle Map (USGS, 2015), the site is situated at an elevation of approximately 300 feet above mean sea level (MSL). Surface gradients in the site vicinity descend to the southeast at an inclination of ten horizontal to one vertical (10H:1V) and less.

Natural ponding of water or surface seeps were not observed at or near the site during our investigation conducted on May 24, 2023. Site drainage appears to be sheet flow and surface infiltration. "Blue line" streams are not mapped on the property and significant drainage courses were not identified on the property during our field investigation.

## GEOLOGIC SETTING

The site is located within the Colorado Desert Physiographic Province (also referred to as the Salton Trough) that is characterized as a northwest-southeast trending structural depression extending from the Gulf of California to the Banning Pass. The Salton Trough is dominated by several northwest trending faults, most notably the San Andreas Fault system. The Salton Trough is bounded by the Santa Rosa – San Jacinto Mountains on the southwest, the San Bernardino Mountains on the north, the Little San Bernardino - Chocolate – Orocopia Mountains on the east, and extends through the Imperial Valley into the Gulf of California on the south.

A relatively thick sequence (20,000 feet) of sediments have been deposited in the Coachella Valley portion of the Salton Trough from the Miocene to present times. The sediments are predominately terrestrial in nature with some lacustrian (lake) and minor marine deposits. The major contributor of these sediments was the Colorado River. The mountains surrounding the Coachella Valley are composed primarily of Precambrian metamorphic and Mesozoic "granitic" rock.

The Salton Trough is an internally draining area without a readily available outlet to Gulf of California having portions well below sea level (-253' msl). The region is intermittently blocked from the Gulf of California by the damming effects of the Colorado River delta (current elevation +30'msl). Between about 300AD and 1600 AD (to 1700±) the Salton Trough was inundated by the River's water, forming ancient Lake Cahuilla (max. elevation +58' msl). Since that time the floor of the Trough has been repeatedly flooded with other "fresh" water lakes (1849, 1861, and 1891), the most recent and historically long lived being the current Salton Sea (1905). The sole outlet for these waters is evaporation, leaving behind vast amounts of terrestrial sediment materials and evaporite minerals.

Rogers (1965) mapped the site to be immediately underlain by undifferentiated Quaternary-age dune sand (Qs). The regional geologic setting for the site vicinity is presented on the Regional Geologic Map (Figure 2).

## SUBSURFACE CONDITIONS

The subsurface conditions at the site were investigated by excavating ten (10) exploratory boreholes to depths between approximately 11 to 51 feet bgs. The approximate exploratory locations are illustrated on the attached Geotechnical / Geologic Map and Exploration Location Map. The boreholes were advanced using a track-mounted limited access drill-rig (CME-75) equipped with 8-inch outside diameter hollow stem augers. "Undisturbed" soil samples were recovered using an automatic trip hammer advanced by a mechanically actuated mechanism lifting a 140 pound weight 30-inches and free falling. A representative of Sladden was on-site to log the materials encountered and retrieve samples for laboratory testing and engineering analyses.

During our field investigation, native eolian sand consisting of fine-grained sand (SP) was encountered to the maximum explored depth of 51 feet bgs. Generally, the native earth materials appeared yellowish brown, dry, loose to dense and fine-grained. The field sampler blowcounts indicated the in-situ density of the near surface soil generally increases with depth.

Groundwater was not encountered during our field investigation to the maximum explored depth of 51 feet bgs. Information regarding the approximate depth to groundwater provided by the California Department of Water Resources online database (CDWR, 2023) indicates that the historic high depth to groundwater is in excess of 150 feet below the existing ground surface in the vicinity of the site. The following table provides a summary of the recorded high groundwater depths in the vicinity of the project.

**TABLE 1**
**GROUNDWATER DEPTHS**

| STATE WELL | LAT/LONG | DISTANCE (KM) | DATE | DEPTH (FT) |
|---|---|---|---|---|
| 04S06E32N002S | 33.7732/-116.3848 | 2.51 | 01/28/2002 | 251.5 |
| 04S05E35G003S | 33.7817/-116.4312 | 2.52 | 03/07/2023 | 184.7 |
| 04S06E20M002S | 33.8087/-116.3878 | 2.80 | 08/08/2003 | 154.7 |
| 04S06E18R001S | 33.8195/-116.3903 | 3.75 | 03/07/2023 | 184.6 |
| 04S05E15R002S | 33.8191/ -116.4415 | 4.80 | 03/10/2022 | 203.4 |
| 04S06E33J001S | 33.7775/-116.3545 | 4.83 | 03/01/2023 | 178.8 |
| 04S06E35P001S | 33.7733/-116.3308 | 7.07 | 03/11/2022 | 174.7 |

## SEISMICITY AND FAULTING

It is our opinion that the most significant geologic hazard to the project is the potential for moderate to severe seismic to occur during the life of the project. The project site is located in the high seismic region within the influence of several fault systems that are considered to be active or potentially active.

Historic earthquakes in the project area include the 1968 Borrego Mountain event (M6.5), 1948 Desert Hot Springs event (M6.5), 1986 Palm Springs event (M 5.6), the 1992 Joshua Tree event (M6.1), the 1992 (M6.0) Big Bear event and the 1992 Landers event (M7.3). A list of earthquakes and earthquake epicenters (M>3.0) within 100 kilometers of the site, from 1932 to present, is presented within Appendix A (USGS, 2023)

Based on our research, the site is not located within either a State of California or County of Riverside designated fault zone (CGS, 2023 & RCPR, 2023). Table 2 lists the closest known faults that was generated in part using the EQFAULT computer program (Blake, 2000), as modified using the fault parameters from The Revised 2002 California Probabilistic Seismic Hazard Maps (Cao et al, 2003), Southern Earthquake Data Center (SCEDC, 2023) and the Quaternary Fault and Fold Database of the United States (USGS, 2023a). This table does not identify the probability of reactivation, or the on-site effects from earthquakes occurring on any of the other faults in the region.

**TABLE 2**
**CLOSEST KNOWN ACTIVE FAULTS**

| Fault Name | Distance (Km) | Maximum Event |
|---|---|---|
| San Andreas - Coachella | 6.6 | 7.45 |
| San Andreas - Southern | 6.6 | 7.45 |
| San Andreas - San Bernardino | 16.5 | 7.5 |
| Burnt Mountain | 17.7 | 6.5 |
| Eureka Peak | 21.0 | 6.4 |
| San Jacinto - Anza | 34.3 | 7.2 |
| Pinto Mountain | 35.4 | 7.2 |

**San Andreas Fault Zone**

The San Andreas Fault Zone is located approximately 6.6 kilometer from the site and is a right-lateral zone of complex faulting consisting of numerous segments for an approximate combined total length of 1,200 kilometers. The recurrence interval between major ruptures varies between the major segments of the fault zone and is believed to range from under 20 years to over 300 years (SCEDC, 2023).

Paleo-seismic investigations along the Coachella Valley Segment of the San Andreas fault indicate five ground rupture events (about 825 AD, 982 AD, 1231 AD, 1502 AD, and 1680 AD) for the area (Fumal, 2002). Seih and Williams (1990) indicate the date for the most recent event on the Coachella Valley segment at about 1680 AD.

**Burnt Mountain Fault**

The Burnt Mountain Fault is located approximately 17.7 kilometer from the site and is a right-lateral strike slip fault that last ruptured during the magnitude 7.3 Landers event. The fault was unknown until the Landers earthquake in which 16 kilometers of the fault ruptured the ground surface (SCEDC, 2023).

**Eureka Peak Fault**

The Eureka Peak Fault is located approximately 21.0 kilometer from the site and is a right-lateral strike slip fault that was previously unknown prior to the magnitude 7.3 Landers event. During this event, the fault ruptured along approximately 10 kilometers of length. The fault is reported to probably handle a significant amount of slip transferred from the San Andreas fault zone (SCEDC, 2023).

**San Jacinto Fault Zone**

The San Jacinto Fault Zone is among the more active fault zones in the Southern California region and is located approximately 34.3 kilometers from the site. The northwest trending fault zone consists of a right-lateral strike-slip with minor right reverse sense of motion. The fault zone is composed of numerous segments: Borrego, Coyote Creek, Anza, San Jacinto Valley, and San Bernardino segments for an approximate combined total length of 210 kilometers (SCEDC, 2023).

The most recent surface rupture along the San Jacinto Fault Zone occurred during the Mw 6.5 April 8, 1968 earthquake (Borrego Mountain earthquake) on the Coyote Creek segment. Surface rupture occurred over 33 kilometers of the fault zone's length. The quake caused damage throughout much of Southern

California that included: severed electrical power lines, cracked plaster, collapsed ceilings, landslides and rock falls. The earthquake is believed to have initiated "triggered slip" along the Superstition Hills Fault, Imperial Fault and Banning-Mission Creek Faults (SCEDC, 2023).

**Pinto Mountain Fault**

The left-lateral, west-trending, strike-slip Pinto Mountain fault runs from Morongo Valley to Twentynine Palms for an approximate distance of 74 km (SCEDC, 2023). The Pinto Mountain fault is located approximately 35.4 kilometer from the site. The Pinto Mountain fault was neither offset nor deflected by the Johnson Valley and Eureka Peak faults when rupture occurred during the Landers earthquake (Sieh, 1996). However, the SCEDC (2023) indicates that portions of the Pinto Mountain fault experienced "triggered slip" during that event. The relatively straight trace of the Pinto Mountain fault suggests that it dips at a high angle and that it may have a significant dip-slip component. The fault forms complex intersections with other faults in the region and the recurrence interval is poorly constrained. The fault roughly forms the boundary between the Mojave Desert and Transverse Ranges Physiographic provinces (CGS, 2002).

## SITE SPECIFIC GROUND MOTION PARAMETERS

Sladden has reviewed the 2022 California Building Code (CBC) and ASCE7-16 and developed site specific ground motion parameters for the subject site. The project site-specific ground motion parameters are summarized in the following table and included within Appendix B. The project Structural Engineer should verify that all design parameters provided are applicable for the subject project.

**TABLE 3**
**GROUND MOTION PARAMETERS**

| | | | |
|---|---|---|---|
| Latitude / Longitude | 33.7881/-116.4051 | | |
| Risk Category | IV | | |
| Site Class | D | | |
| Code Reference Documents | ASCE 7-16; Chapter 11 & 21 | | |
| **Description** | **Type** | **Map Based** | **Site-Specific** |
| $MCE_R$ Ground Motion (0.2 second period) | $S_S$ | 1.714 | --- |
| $MCE_R$ Ground Motion (1.0 second period) | $S_1$ | 0.71 | --- |
| Site-Modified Spectral Acceleration Value | $S_{MS}$ | 1.714 | **1.967** |
| Site-Modified Spectral Acceleration Value | $S_{M1}$ | null | **1.779** |
| Numeric Seismic Design Value at 0.2 second SA | $S_{DS}$ | 1.143 | **1.311** |
| Numeric Seismic Design Value at 1.0 second SA | $S_{D1}$ | null | **1.186** |
| Site Amplification Factor at 0.2 second | $F_a$ | 1 | **1** |
| Site Amplification Factor at 1.0 second | $F_v$ | null | **2.5** |
| Site Peak Ground Acceleration | $PGA_M$ | 0.821 | **0.759** |

## GEOLOGIC HAZARDS

The site is located in an active seismic zone and will likely experience strong seismic shaking during the life of the proposed project. In general, the intensity of ground shaking will depend on several factors including: the distance to the earthquake focus, the earthquake magnitude, the response characteristics of the underlying earth materials, and the quality and type of construction. Geologic hazards as related to the site are discussed below.

I. Surface Rupture. Surface rupture is expected to occur along preexisting, known active fault traces. However, surface rupture could potentially splay or step from known active faults or rupture along unidentified traces. Based on our review of Jennings (1994), CGS (2023), RCPR (2023), and Rodgers (1965) known faults are not currently mapped on or immediately adjacent to the site. The site is not located within a State of California or County of Riverside designated fault hazard zone for fault rupture. In addition, evidence of active surface faulting was not observed during our review of non-stereo digitized photographs of the site and its vicinity (Google, 2023). Evidence of active surface fault rupture or secondary seismic effects (lateral spreading, lurching etc.) was not identified during our field investigation. Therefore, it is our opinion that risks associated with primary surface ground rupture should be considered "low".

II. Ground Shaking. The site has been subjected to past ground shaking by faults that traverse through the region. Strong seismic shaking from nearby active faults is expected to produce strong seismic shaking during the design life of the proposed project. The site modified peak ground acceleration is estimated to be 0.759 g.

III. Liquefaction and Seismic Settlement. Liquefaction is the process in which loose, saturated granular soil looses strength as a result of seismic induced cyclic loading. The strength loss occurs as a result of a decrease in shear capacity of the soil matrix due to a rapid increase in pore pressures. Generally, liquefaction can occur if all of the following conditions apply: liquefaction-susceptible soil, saturated soil, and strong seismic shaking.

The State of California has not evaluated the Cathedral City Quadrangle for liquefaction hazards. However, the site is currently located within a County of Riverside designated "moderate" liquefaction hazard zone (Appendix C). However, based on the historic high groundwater depths in excess of 150 feet below the existing ground surface in the project vicinity (Table 1), risks associated with liquefaction are considered "negligible".

Seismic settlement (dry sand) may occur when loose granular soil densifies during seismic shaking, potentially resulting in damage to overlying structures and improvements. Our analyses indicate that the potential for seismic settlements impacting the site during a major seismic event on the nearby San Andreas Fault is significant. The peak ground acceleration utilized in our analyses was 0.759g ($PGA_M$), in accordance with current guidelines (CGS, 2022). Our seismic settlement analyses indicated total settlements of up to 4.28 inches and 5.07 inches for BH-1 and BH-2, respectively. The seismic settlement estimates are presented within Appendix D and summarized in Table 4.

**TABLE 4**
**SEISMIC SETTLEMENT ESTIMATES**

EXISTING SITE CONDITIONS

| BH-1 | BH-2 | Max. Differential | Distance Between Bores (BH-1 to BH-2) |
|---|---|---|---|
| 4.28 | 5.07 | 0.79-inches | 225-Feet |

10 FOOT OVEREXCAVATION AND RECOMPACTION

| | | | |
|---|---|---|---|
| 2.30 | 2.46 | 0.16-inches | 225- Feet |

A review of the seismically induced settlement estimate for the top 50 feet of the soil profile revealed seismic settlements ranging from 4.28 to 5.07 inches. The maximum differential settlement between these bores is estimated to be 0.79-inches occurring over a horizontal distance of approximately 225 feet.

IV. Clays and Cyclic Softening. The project site is underlain by eolian (wind blown) sand. Accordingly, risks associated with volumetric changes in cohesive soil and cyclic softening are considered "negligible".

V. Tsunamis and Seiches. The site is situated at an elevated inland location and is not immediately adjacent to any impounded bodies of water. Therefore the risks associated with tsunamis and seiches are considered "negligible".

VI. Slope Failure, Landsliding, Rock Falls. The site is located on relatively flat ground and not immediately adjacent to any slopes or hillsides. Therefore, it is our professional opinion that risks associated with slope instability are considered "negligible".

VII. Volcanic Hazards. The site is not located in an area of known volcanism. Accordingly, risks associated with volcanic hazards are considered "remote".

VIII. Hazardous Materials. The site is not located in an area of known methane gas, hydrogen gas, tar seeps or oil production wells. Accordingly, these risks should be considered "remote".

IX. Expansive Soil. Expansion Index testing of the soil was performed to evaluate the expansion potential of the materials underlying the site. Based on the results of our testing (EI=0) the materials underlying the site are considered to have a "very low" expansion potential.

X. Subsidence. Land subsidence can occur in valleys where aquifers were subjected to extensive groundwater pumping, such that groundwater pumping exceeds groundwater recharge. Generally, pore water reduction results in a rearrangement of skeletal grains and results in elastic (recoverable) or inelastic (unrecoverable) deformation of an aquifer system. According to the County of Riverside, the site is located within a subsidence "susceptible" zone (Appendix C). However, fissures or other surficial evidence of subsidence were not observed at or near the subject site during our field investigation. Subsidence in the Coachella Valley is areal in nature with very little differential settlement occurring over short distances such as across building envelopes. At this time, subsidence is considered a regional problem requiring regional mitigation not specific to the project site. As such, site specific effects resulting from long term regional subsidence are beyond the scope of our investigation.

XI. Static Settlement. Static settlement resulting from the anticipated foundation loads have been calculated utilizing the Schmertmann Method (Appendix G). The ultimate static settlement is expected to be less than 1/2 inch when using the recommended allowable bearing pressures. As a practical matter, differential static settlement between footings can be assumed as one-half of the total static settlement.

XII. Hydrocollapse. The implementation of our remedial recommendations to over-excavate and recompact the upper 8 to 10 feet of the on-site soil profile is intended to mitigate the potential hydro-consolidation. Below 10 feet the SPT values reflect soil materials with a lower potential of hydrocollapse.

XIII. Naturally Occurring Asbestos. The site is underlain by sand deposits. Asbestos bearing rock formations are not mapped on or immediately adjacent to the site (serpentinite and ultramafic rocks). Accordingly, risks associated with asbestos are considered "remote".

XIV. Radon-222 Gas. The United States Environmental Protection Agency (EPA) recommends that individuals avoid long-term exposures to radon concentrations above 4 picocuries per liter (pCi/L). The California Department of Public Health (CDPH) lists 31 tests in the Rancho Mirage area with 2 tests containing more than 4.0 pCi/L (CDPH, 2016).

XV. Flooding and Erosion. Signs of flooding or erosion were not observed during our field investigation. Based on our review of the FEMA flood insurance rate map for the site vicinity, the site is situated in an area determined to be outside of the 0.2% annual chance floodplain (Zone X)" (FEMA, 2008). Accordingly, risks associated with flooding and erosion are considered "low".

XVI. Debris Flows. Debris flows are viscous flows consisting of poorly sorted mixtures of sediment and water and are generally initiated on slopes steeper than approximately six horizontal to one vertical (6H:1V)(Boggs, 2001). Based on the flat nature of the site, the lack of adjacent slopes, and the composition of the surface soil, we judge that risks associated with debris flows to be remote.

## CONCLUSIONS

Based on the results of our geotechnical investigation, it is our opinion that the proposed project is feasible from a geotechnical and engineering geologic perspective provided the recommendations of this report are incorporated into the design and implemented during construction.

The surface soil at the site is considered loose, potentially compressible and not suitable for shallow foundation support in the existing condition. To mitigate the potential for differential settlements, we recommend remedial grading throughout the new building areas. Upon completion of the remedial grading, the new building elements may be supported upon conventional shallow spread footings.

Varying amounts of caving occurred within each of our exploratory bores and caving may occur in deeper excavations. All excavations should be constructed in accordance with the normal CalOSHA excavation criteria. On the basis of our observations of the materials encountered, we anticipate that the subsoil will conform to that described by CalOSHA as Type C, but soil conditions should be verified in the field by "Competent persons" employed by the Contractor.

Our analyses indicated that the potential for seismic settlements impacting the site during a major seismic event on the nearby San Andreas Fault to be severe. The seismic settlement estimates are presented on the seismic settlement data sheets within Appendix D and summarized within Table 4. As previously stated in Table 4, our analyses indicate total settlements up to 5 inches. However, based upon the general uniform subsurface soil conditions, the seismic settlement is expected to be “areal” in nature and the potential damaging differential settlement is expected to be minimal. The differential seismic settlement is expected to be approximately 0.79 inch over a lateral distance of approximately 225 feet. The remedial grading recommended within the building footprint and beyond are intended to produce a uniform compacted soil mat beneath the structures to mitigate seismic differential seismic settlement.

The following recommendations present more detailed design criteria that were developed on the basis of our field investigation and laboratory testing.

## EARTHWORK AND GRADING

Our recommendations are based upon the expectation that all earthwork including excavation, backfill and preparation of the subgrade soil, will be performed in accordance with the geotechnical recommendations presented in this report and portions of the local regulatory requirements, as applicable. All earthwork recommended in this report should be performed under the observation and testing of Sladden Engineering. The following geotechnical engineering recommendations for the proposed project are based on observations during the field investigation program and our laboratory testing and geotechnical engineering analyses.

a. Preparation of the Building Areas. To provide firm and uniform bearing conditions and to reduce the effects of potential seismically induced settlements, we recommend over-excavation and re-compaction throughout the building areas. To mitigate potential seismic settlements, we recommend that the top 8-10 feet of the soil profile be removed and recompacted to at least 90-percent of the maximum density as determined by ASTM Test Method D1557. Remedial grading should extend laterally, a minimum of 10 feet beyond the building limits. The native soil exposed by over-excavation should be scarified, moisture conditioned to near optimum moisture content, and compacted to 90 percent or more relative compaction (ASTM 1557) prior to fill placement. The previously removed soil may then be replaced as engineered fill material as recommended in Section C.

b. Stripping. Areas to be graded or over-excavated should be cleared of existing vegetation and associated root systems. All areas scheduled to receive fill or over-excavation should be cleared of old fills and irreducible matter. The unsuitable material should be removed off site. Voids left by obstructions should be properly backfilled in accordance with the compaction recommendations of this report.

c. Compaction. Native soil used as engineered fill must be free of organic material, debris, and other deleterious substances, and not contain irreducible matter greater than six (6) inches in maximum dimension. Place fill materials in six-inch lifts in a loose condition. If import fill is required, the material must be of a low to non-expansive nature and should be submitted to Sladden for testing and approval prior to import and should meet the following criteria:

| | |
|---|---|
| Plastic Index | Less than 12 |
| Liquid Limit | Less than 35 |
| Percent Soil Passing #200 Sieve | Between 15% and 35% |
| Maximum Aggregate Size | 3 inches |

Sladden recommends full-time observation and testing during pad and pavement grading, and intermittent site visits by the project engineer during grading. Compact subgrade and fill with acceptable compaction equipment, to 90 percent or more relative compaction. The bottom of the exposed subgrade should be observed by a representative of Sladden Engineering prior to fill placement. Compaction testing should be performed on each lift to verify proper placement and compaction of the fill materials. Table 5 provides a summary of the excavation and compaction recommendations.

**TABLE 5**
**SUMMARY OF RECOMMENDATIONS**

| | |
|---|---|
| *Remedial Grading | Excavation and recompaction within the building envelope and extending laterally for 10 feet beyond the building limits and to a minimum depth of 8-10 below existing grade. |
| **Native / Import Engineered Fill | Place in thin lifts not exceeding 6 inches in a loose condition and compact to a minimum of 90 percent relative compaction. |
| Class II Aggregate Base Material | Compact to at least 95 percent relative compaction within 2 percent of optimum moisture content. |
| **Asphalt Concrete Sections | Compact the top 12 inches of the subgrade to at least 95 percent relative compaction within 2 percent of optimum moisture content. |

*Actual depth may vary and should be determined by a representative of Sladden Engineering in the field during construction.
**ASTM D1557

d. Shrinkage and Subsidence**.** We anticipate volumetric shrinkage of the material that is excavated and replaced as controlled compacted fill. We estimate that this shrinkage could vary from 10 to 15 percent. Subsidence of the surfaces that are scarified and recompacted should be between 1 and 2 tenths of a foot. This will vary depending upon the type of equipment used, the moisture content of the soil at the time of grading and the actual degree of compaction attained.

## CONVENTIONAL SPREAD FOOTINGS

Conventional shallow spread footings may be utilized for support of the proposed skilled nursing facility structures provided that the estimated settlements presented herein are considered in design. All footings should be founded upon property compacted engineered fill soil in accordance with the recommendations of this report and should have a minimum embedment depth of 12 inches measured from the lowest adjacent finished grade. Continuous and isolated pad footings should have minimum widths of 12 inches and 24 inches, respectively. Continuous and isolated pad footings placed on compact engineered fill soil may be designed for an allowable (net) bearing pressures of 1800 and 2000 pounds per square foot (psf), respectively. Allowable increases of 250 psf for each additional 1 foot in width and 250 psf for each additional 6 inches in depth may be utilized, if desired. The maximum allowable bearing pressure must not exceed 3,000 psf. The allowable bearing pressures apply to combined dead and sustained live loads.

Lateral load resistance for the spread footings will be developed by passive soil pressure against the sides of the footings below grade and by friction acting at the base of the concrete footings bearing on compacted fill. An allowable passive pressure of 300 psf per foot of depth may be used for design purposes. An allowable coefficient of friction 0.45 may be used for dead and sustained live loads to compute the frictional resistance of footings placed directly on compacted fill. Under seismic and wind loading conditions, the passive pressure and frictional resistance may be increased by one-third.

Prior to placement of forms, reinforcement or concrete, all footing trenches should be observed by a representative of the project geotechnical consultant to verify adequate embedment depths and exposed soil conditions. The trenches should be trimmed neat, level and square. All loose, disturbed, sloughed or moisture-softened soil and/or any construction debris should be removed prior to concrete placement.

## SLABS-ON-GRADE

To reduce the risk of heave, cracking and settlement of non-structural supporting concrete slabs-on-grade, place on properly compacted fill as outlined Table 5. Subgrades for slabs should be near optimum moisture content and should not be permitted to dry prior to concrete placement and should be firm and unyielding. Remove loose or disturbed soil, replace and compact the subgrade to a minimum of 90 percent relative compaction.

Slab thickness and reinforcement must be determined by the Structural Engineer. Support slab reinforcement on concrete chairs so that the reinforcement is placed at slab mid-height. We recommend a minimum floor slab thickness of 5.0 inches and minimum reinforcement of #4 bars at 24 inches on center in each direction. Thicker slabs may be required depending on interior loading. Slabs with moisture sensitive surfaces should be underlain with a moisture vapor barrier consisting of a polyvinyl chloride membrane such as 10-mil Visqueen, or equivalent. To reduce the potential for puncture, the membrane should be placed on a pad surface that has been graded smooth without any sharp protrusions. If a smooth surface cannot be achieved by grading, consideration should be given to placing a thin leveling course of sand across the pad surface prior to the placement of the membrane.

## PRELIMINARY PAVEMENT DESIGN

Design asphalt concrete pavements in accordance with Topic 608 of the Caltrans Highway Design Manual based on R-Value and Traffic Index. The design R-Value was estimated to be in excess of 60. Any imported soil should be tested for R-Value. The actual R-Value of subgrade soil should be reevaluated prior to the final pavement design.

Traffic Indices (TI) of 5.0 and 6.5 were used for light duty and heavy duty pavements, respectively. We assumed Asphalt Concrete (AC) over Class II Aggregate Base (AB). Preliminary flexible pavement layer thickness is as follows:

| RECOMMENDED ASPHALT PAVEMENT SECTION LAYER THICKNESS | | |
|---|---|---|
| **Pavement Material** | **Recommended Thickness** | |
| | **TI=5.0** | **TI=6.5** |
| Asphalt Concrete Surface Course | 3.0 inches | 3.0 inches |
| Class II Aggregate Base Course | 4.0 inches | 6.0 inches |
| Compacted Subgrade Soil | 12.0 inches | 12.0 inches |

Asphalt concrete should conform to Section 39 of the latest edition of the CalTrans Standard Specifications. Class II aggregate base should conform to Section 26 Caltrans Standard Specifications, latest edition. The aggregate base course should be compacted to at least 95 percent of the maximum dry density as determined by ASTM Method D 1557 or to the dry density revealed by the R-value test data, whichever is greater.

## CORROSION SERIES

The soluble sulfate concentrations of the surface soil were determined to be 20 parts per million (ppm). The soil is considered to have a "low-S0" corrosion potential with respect to concrete. The use of Type V cement and special sulfate resistant concrete mixes should not be necessary. Soluble sulfate content of the surface soil should be reevaluated after grading and appropriate concrete mix designs should be established based upon post-grading test results.

The pH levels of the surface soil was 7.5. Based on soluble chloride concentration testing (50 ppm) the soil is considered non-corrosive with respect to normal grade steel. The minimum resistivity of the surface soil was found to be 24,000 ohm-cm that suggests the site soil is considered to have a "negligible" corrosion potential with respect to ferrous metal installations. A corrosion expert should be consulted regarding appropriate corrosion protection measures.

## UTILITY TRENCH BACKFILL

Utility trench backfill should be compacted to a minimum of 90 percent relative compaction based on ASTM Test Method D-1557. Trench backfill materials should be placed in loose lifts not greater than six inches, moisture conditioned (or air-dried) as necessary to achieve near optimum moisture conditions, and then mechanically compacted in-place to a minimum relative compaction of 90 percent. A representative of Sladden should test the backfill to verify adequate compaction.

## EXTERIOR CONCRETE FLATWORK

To minimize cracking of concrete flatwork, the subgrade soil below concrete flatwork areas should first be compacted to a minimum relative compaction of 90 percent of the maximum dry density determined by ASTM Test Method D-1557. A representative of Sladden should observe and test the density and moisture content of the subgrade soil prior to placing concrete.

## DRAINAGE

Provide final grades with positive gradients away from foundations to promote rapid removal of surface water runoff to an adequate discharge point. Water should not be allowed to be pond on or within five (5) feet foundation elements and be directed away from building foundations to an adequate discharge point. Subgrade drainage should be evaluated by the project Geotechnical Engineer upon completion of the precise grading plans and in the field during grading.

## LIMITATIONS

The findings and recommendations presented in this report are based upon our interpretation of the soil conditions between the exploratory bore locations and extrapolation of these conditions throughout the proposed building area. Should conditions encountered during grading appear different than those indicated in this report, this office should be immediately notified.

The use of this report by other parties or for other projects is not authorized. The recommendations of this report are contingent upon monitoring of the grading operations by a representative of Sladden Engineering. All recommendations are considered to be tentative pending our review of the grading and foundation plans, grading methods, and additional testing if necessary. If others are employed to perform any soil testing, this office should be notified prior to such testing in order to coordinate any required site visits by our representatives and to provide indemnification for Sladden Engineering.

We recommend that a pre-job conference be held on the site prior to the initiation of site grading. The purpose of that meeting will be to assure a complete understanding of the recommendations presented in this report each applies to the actual grading performed.

## ADDITIONAL SERVICES

Once final project plans and specifications are completed, those should be reviewed by Sladden Engineering prior to construction to confirm that the intent of the recommendations presented herein have been properly implemented into design. Following the review of plans and specifications, observations should be performed by the Sladden during construction to document grading, and that foundation elements are founded on/or penetrate into the recommended soil, and that suitable backfill soil is placed upon competent materials and properly compacted at the recommended moisture content.

Tests and observations should be performed during grading by a Sladden representative to verify that the grading is being performed in accordance with the project specifications. Field density testing shall be performed in accordance with acceptable ASTM test methods. The minimum acceptable degree of compaction should be 90 percent for subgrade soil and 95 percent for Class II aggregate base as obtained by ASTM Test Method D1557. Where testing indicates insufficient density, additional compactive effort shall be applied until retesting indicates satisfactory compaction.

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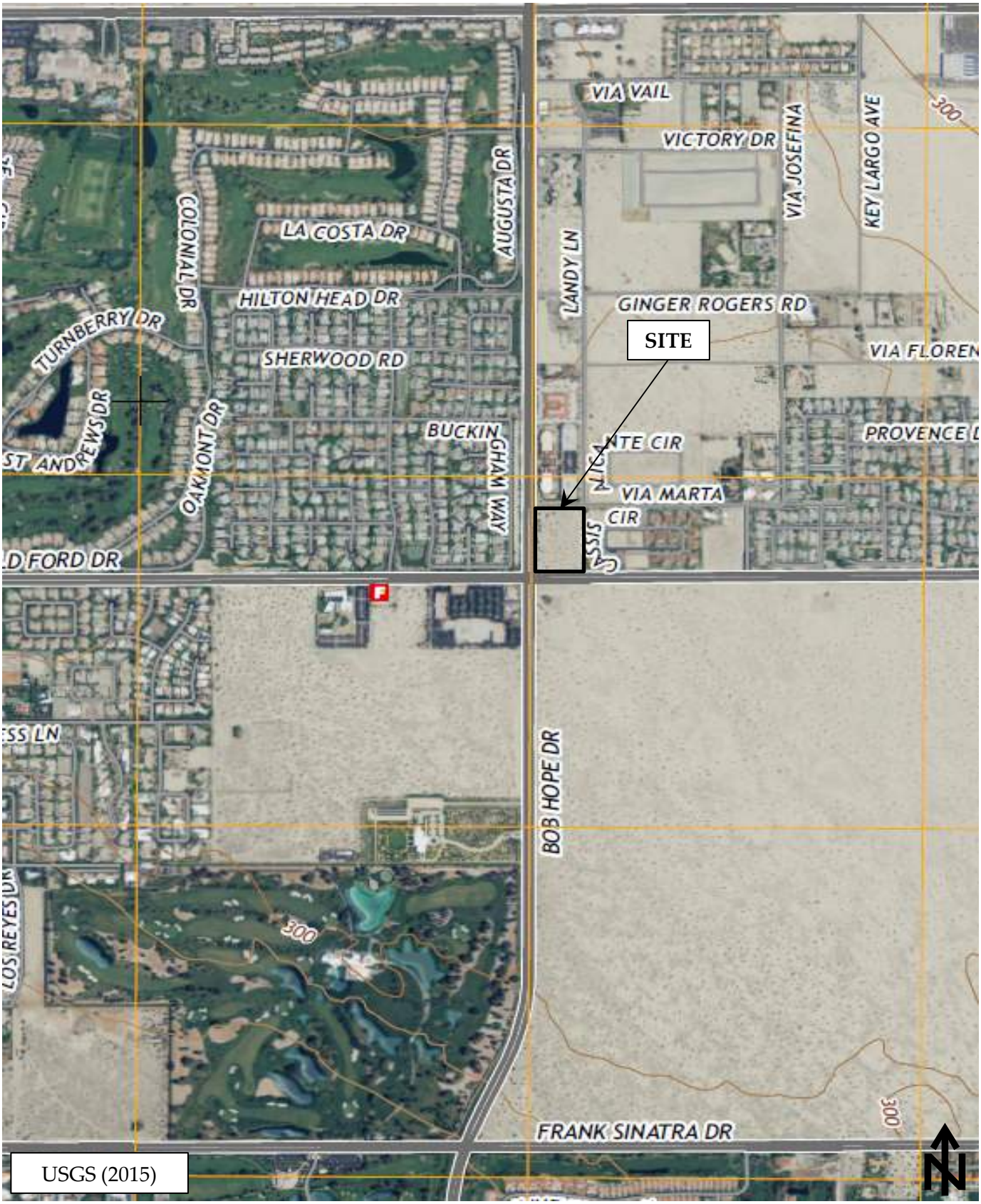
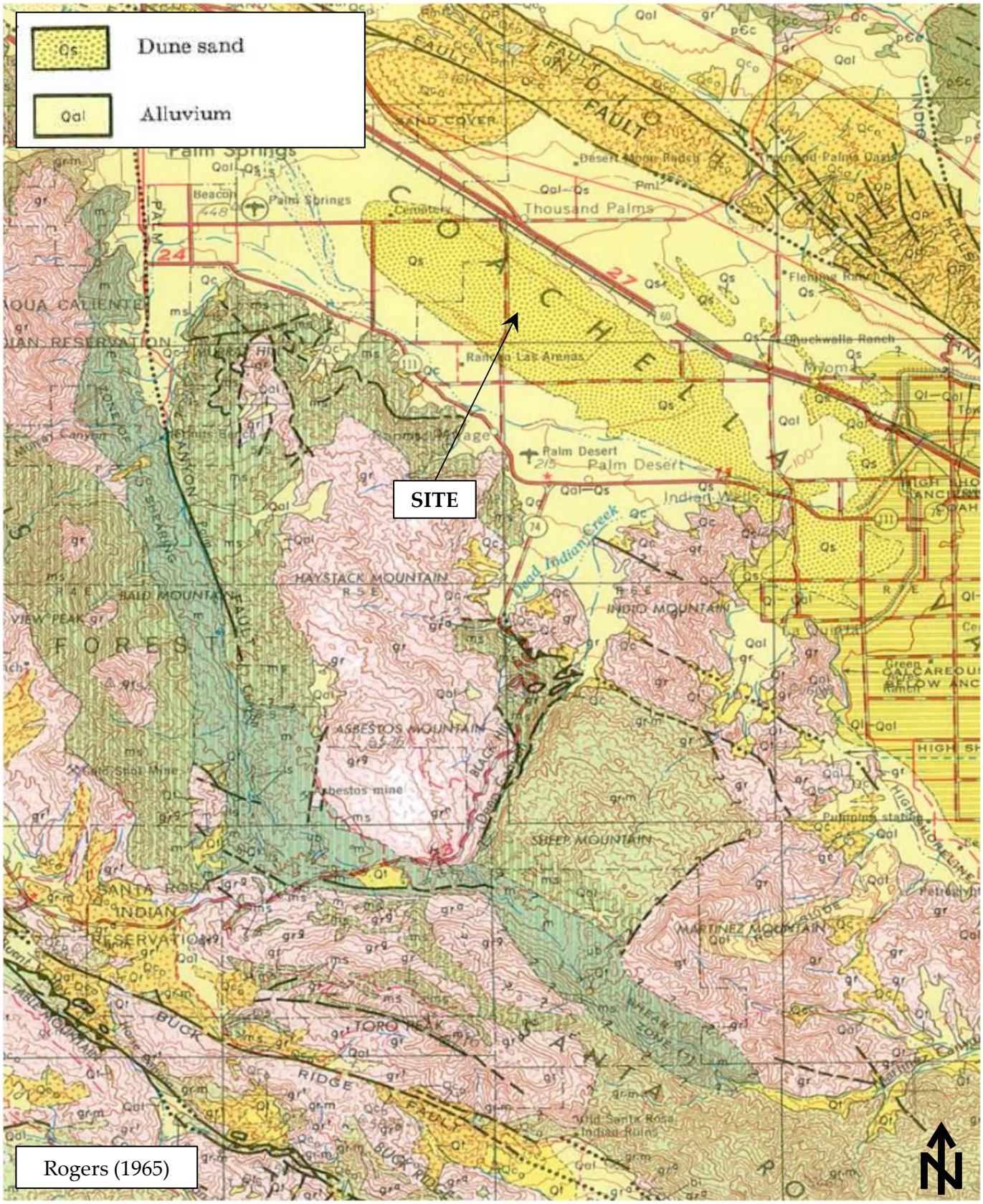
**FIGURES**

SITE LOCATION MAP
REGIONAL GEOLOGIC MAP
EXPLORATION LOCATION MAP
REGIONAL FAULT MAP

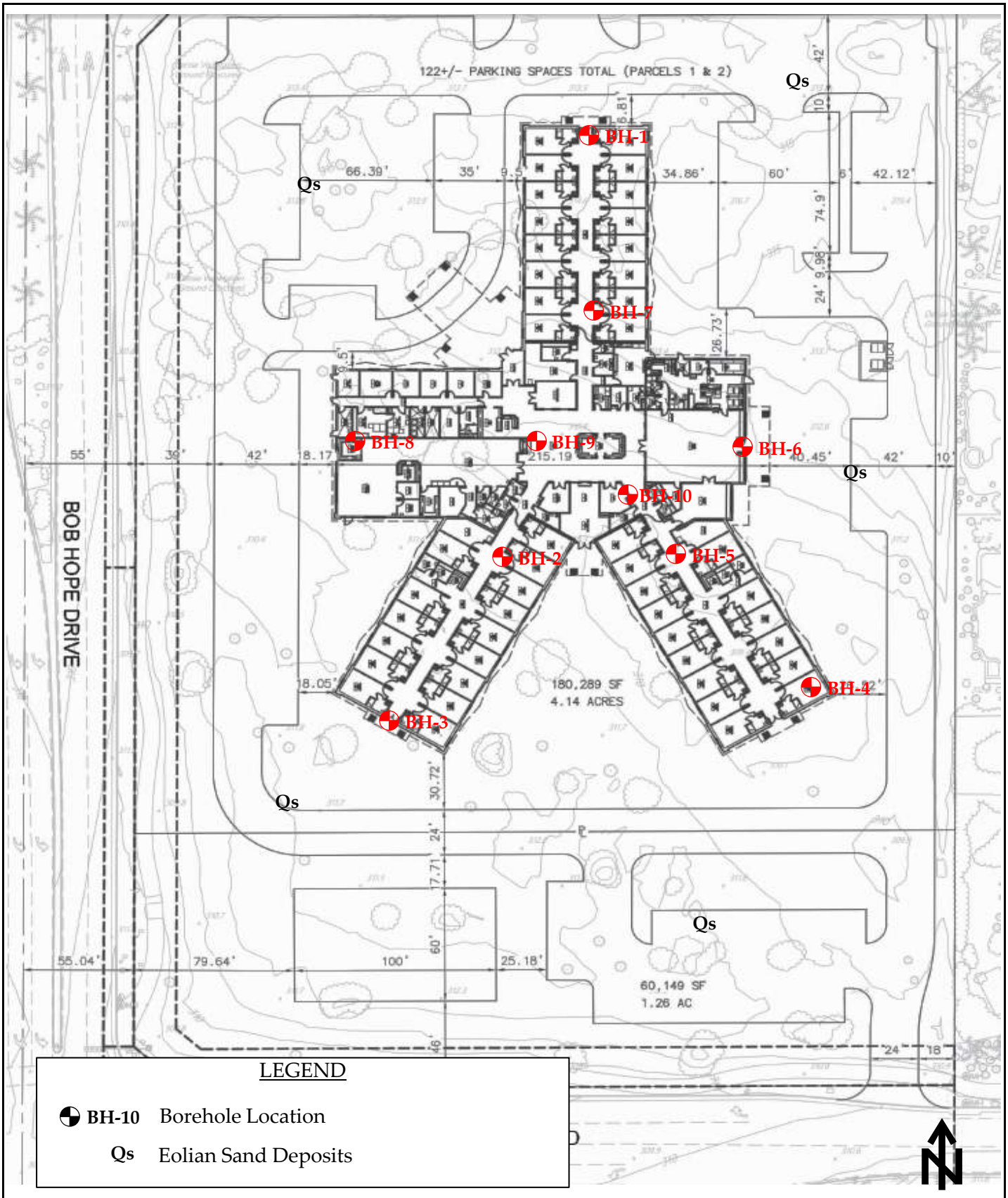



USGS (2015)

| | | |
|---|---|---|
| Sladden Engineering | SITE LOCATION MAP | FIGURE 1 |
| | Project Number: 544-23112 | |
| | Report Number: 23-07-368 | |
| | Date: August 28, 2023 | |




| | | |
|---|---|---|
| Sladden Engineering | REGIONAL GEOLOGIC MAP | FIGURE 2 |
| | Project Number: 544-23112 | |
| | Report Number: 23-07-368 | |
| | Date: August 28, 2023 | |




| | | |
|---|---|---|
| Sladden Engineering | EXPLORATION LOCATION PLAN | FIGURE 3 |
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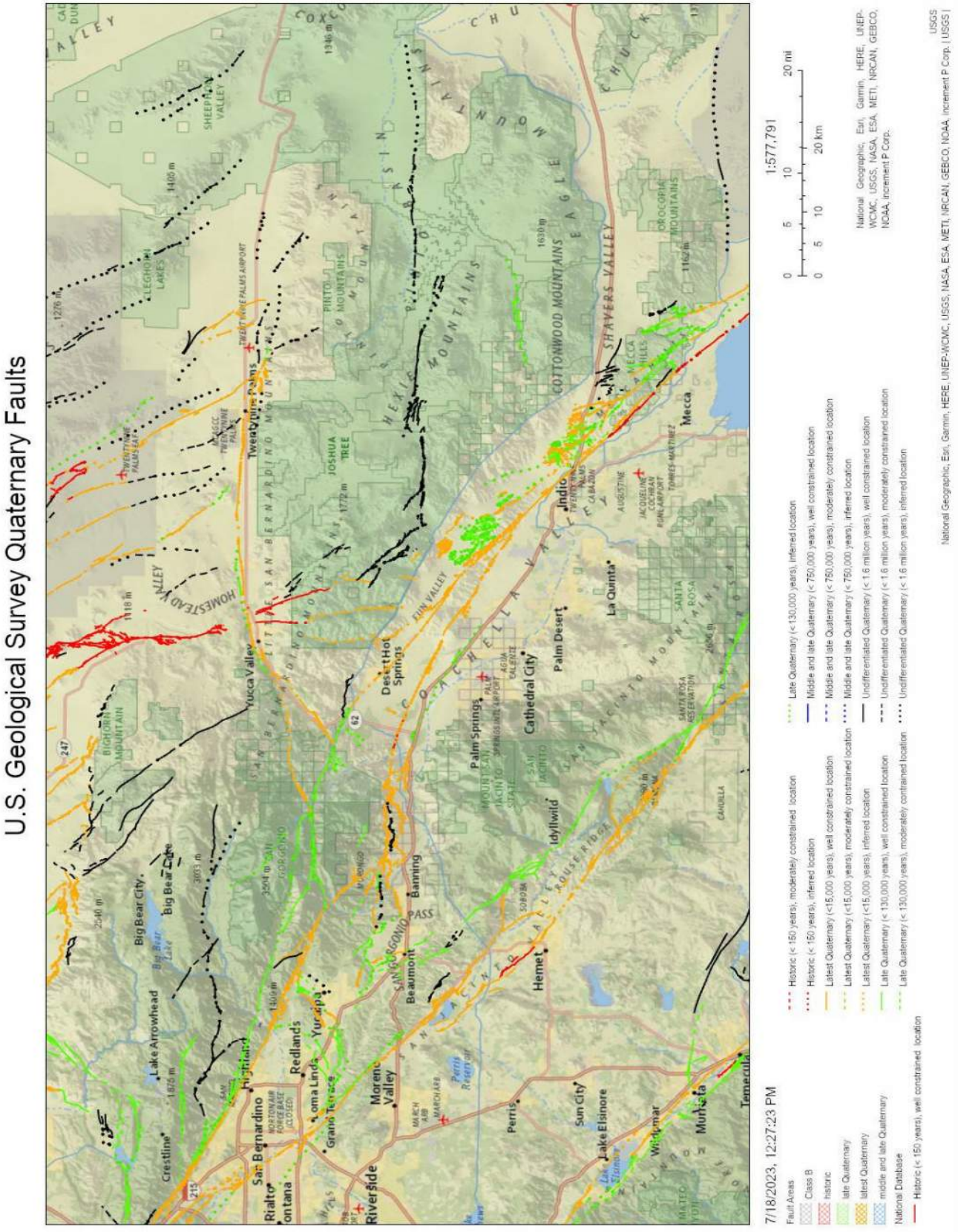
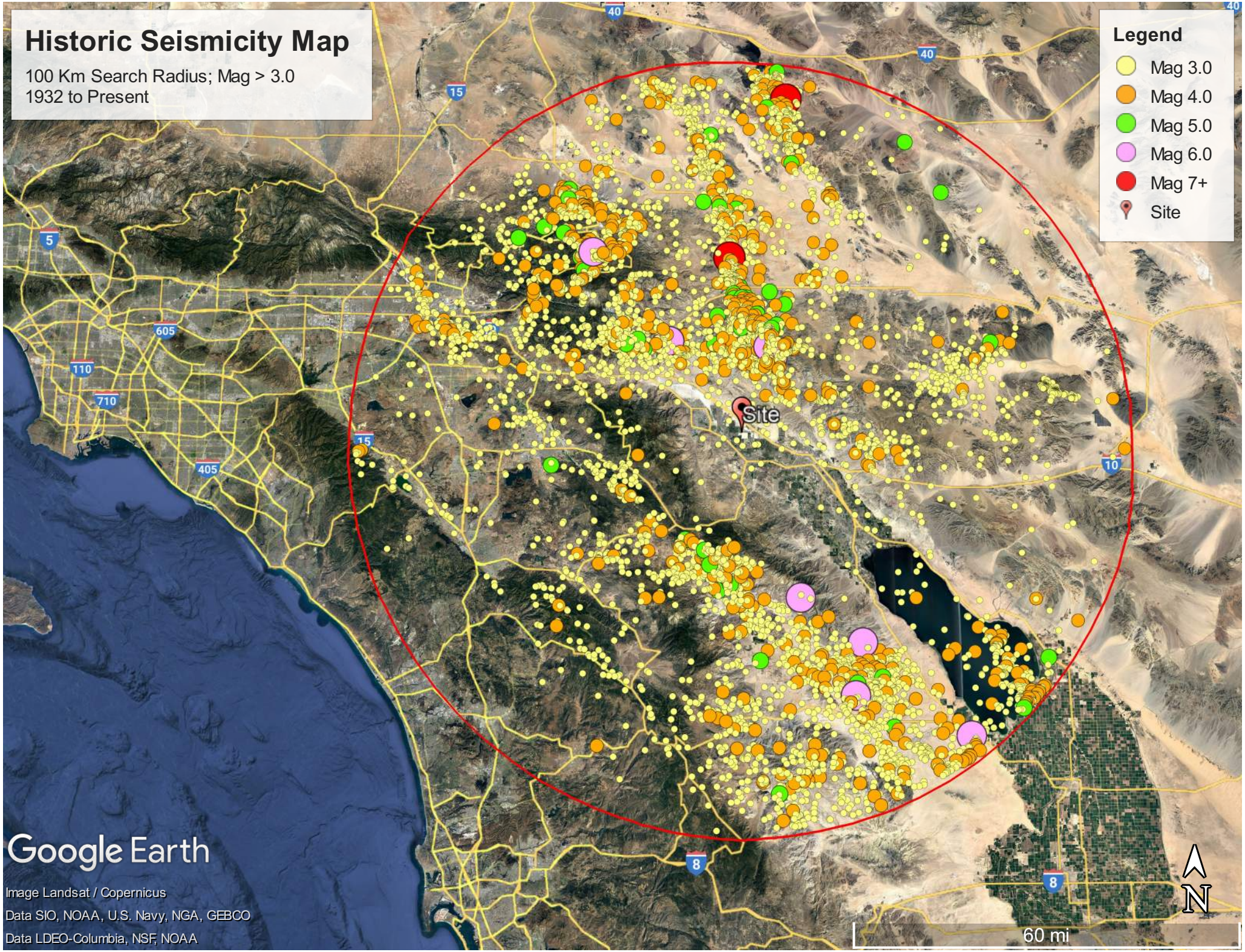
| | Report Number: 23-07-368 | |
| | Date: August 28, 2023 | |




| | | |
|---|---|---|
| Sladden Engineering | REGIONAL FAULT MAP | FIGURE 4 |
| | Project Number: 544-23112 | |
| | Report Number: 23-07-368 | |
| | Date: August 28, 2023 | |

**APPENDIX A**

HISTORIC EARTHQUAKES 1932- PRESENT (MAG ≥ 3.0)


Historic Seismicity Map
100 Km Search Radius; Mag > 3.0
1932 to Present
Legend
Mag 3.0
Mag 4.0
Mag 5.0
Mag 6.0
Mag 7+
Site
Site
Google Earth
Image Landsat / Copernicus
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Data LDEO-Columbia, NSF, NOAA
N
60 mi

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

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**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

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| 2021-06-07T14:45:22.420Z | 33.1843333 | -115.6373333 | 4.93 | 3.52 | ci39927952 |
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| 2021-06-06T10:56:06.560Z | 33.1561667 | -115.6453333 | 5.85 | 3.08 | ci39924744 |
| 2021-06-06T08:05:36.600Z | 33.1855 | -115.6395 | 9.8 | 3.81 | ci39923832 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2021-06-06T05:01:30.600Z | 33.1645 | -115.6446667 | 5.36 | 3.19 | ci39922872 |
| 2021-06-01T21:29:46.490Z | 33.4596667 | -116.8916667 | 12.83 | 3.16 | ci39913520 |
| 2021-05-09T09:09:33.800Z | 34.0265 | -117.2335 | 16.29 | 3.03 | ci39645767 |
| 2021-04-28T10:50:21.900Z | 33.1628333 | -116.3816667 | 7.33 | 3.45 | ci39632647 |
| 2021-04-13T21:35:03.940Z | 33.8063333 | -116.0878333 | 3.03 | 3.54 | ci39849144 |
| 2021-04-10T03:57:58.440Z | 34.1475 | -116.4451667 | 5.88 | 3 | ci39845512 |
| 2021-04-09T00:33:47.080Z | 33.9323333 | -116.7873333 | 14.76 | 3.11 | ci39844112 |
| 2021-04-04T21:14:44.870Z | 33.9661667 | -116.978 | 13.13 | 3.29 | ci39838568 |
| 2021-03-19T18:24:36.600Z | 33.0316667 | -116.442 | 6.61 | 3.07 | ci39585143 |
| 2021-02-22T00:28:10.410Z | 33.9976667 | -116.8083333 | 9.83 | 3.19 | ci39797144 |
| 2020-12-25T20:25:59.070Z | 33.7473333 | -115.9211667 | 3.68 | 3.64 | ci39504023 |
| 2020-12-06T15:17:53.130Z | 33.237 | -116.6693333 | 9.2 | 3.62 | ci39486671 |
| 2020-12-05T05:41:29.460Z | 33.4211667 | -116.9311667 | 8.08 | 3.55 | ci39485527 |
| 2020-11-17T07:19:21.210Z | 34.0711667 | -116.7215 | 5.33 | 3.47 | ci39467983 |
| 2020-11-16T09:28:01.580Z | 34.0433333 | -117.2331667 | 15.06 | 3.41 | ci39466855 |
| 2020-10-20T10:30:46.070Z | 33.0053333 | -116.2895 | 7.14 | 3.44 | ci39669176 |
| 2020-10-07T01:44:04.730Z | 34.3541667 | -116.8266667 | 7.82 | 3.42 | ci39654952 |
| 2020-09-25T17:10:11.370Z | 33.947 | -116.3955 | 3.29 | 3.65 | ci38703802 |
| 2020-09-25T17:07:48.830Z | 33.9491667 | -116.3938333 | 3.42 | 3.02 | ci38703786 |
| 2020-09-21T13:20:38.360Z | 33.701 | -117.4355 | 9.12 | 3.28 | ci38697738 |
| 2020-09-04T14:24:44.100Z | 34.0878333 | -116.8536667 | 1.9 | 3.14 | ci38675450 |
| 2020-08-14T09:05:09.510Z | 33.2693333 | -115.9936667 | 6.97 | 3.2 | ci39344127 |
| 2020-08-11T11:19:57.690Z | 33.2271667 | -115.7018333 | 3.16 | 3.55 | ci39340599 |
| 2020-08-10T19:29:29.720Z | 33.2653333 | -115.6841667 | 2.87 | 4.03 | ci39339191 |
| 2020-08-10T18:58:53.030Z | 33.2513333 | -115.6755 | 3.02 | 3.24 | ci39339095 |
| 2020-08-10T18:53:21.450Z | 33.2653333 | -115.6896667 | 4.42 | 3.21 | ci39339079 |
| 2020-08-10T18:30:05.830Z | 33.2298333 | -115.6925 | 3.67 | 3.49 | ci37452101 |
| 2020-08-10T18:29:59.890Z | 33.228 | -115.6955 | 2.85 | 3.06 | ci39339015 |
| 2020-08-10T17:39:15.940Z | 33.227 | -115.6991667 | 3.26 | 3.51 | ci39338839 |
| 2020-08-10T16:13:56.000Z | 33.232 | -115.6935 | 3.27 | 3.73 | ci39338487 |
| 2020-08-10T16:03:39.160Z | 33.2503333 | -115.688 | 2.31 | 3.95 | ci39338447 |
| 2020-08-10T16:00:13.640Z | 33.255 | -115.6846667 | 1.91 | 3.12 | ci39338423 |
| 2020-08-10T15:58:16.660Z | 33.2436667 | -115.6858333 | 2.4 | 3.01 | ci39338415 |
| 2020-08-10T15:56:14.330Z | 33.2468333 | -115.69 | 2.07 | 4.59 | ci39338407 |
| 2020-08-10T15:55:48.220Z | 33.2506667 | -115.6953333 | 2.52 | 3.54 | ci39338399 |
| 2020-07-15T22:46:18.400Z | 33.0191667 | -116.008 | 10.49 | 3.04 | ci38592114 |
| 2020-07-07T02:34:01.690Z | 33.3456667 | -116.3713333 | 11.36 | 3.15 | ci39282359 |
| 2020-07-06T03:05:16.320Z | 34.6063333 | -116.6376667 | 7.35 | 3.03 | ci39281039 |
| 2020-06-28T22:13:58.510Z | 33.2341667 | -115.6945 | 2.72 | 3.7 | ci39271647 |
| 2020-06-25T19:48:06.100Z | 33.4465 | -116.4313333 | 10.7 | 3.03 | ci39266287 |
| 2020-06-21T09:11:21.980Z | 34.2543333 | -116.4298333 | 2.17 | 3 | ci39488496 |
| 2020-06-07T01:50:59.320Z | 33.1616667 | -116.0031667 | 7.09 | 3.26 | ci39468576 |
| 2020-05-13T01:31:08.080Z | 33.499 | -116.5211667 | 10.16 | 3.15 | ci38491706 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2020-05-12T02:46:47.250Z | 33.0118333 | -116.0231667 | 9.89 | 3.3 | ci38490402 |
| 2020-05-11T16:40:54.560Z | 33.4975 | -116.5041667 | 12.49 | 3.1 | ci38489754 |
| 2020-05-10T22:07:40.370Z | 33.0183333 | -116.0201667 | 10.16 | 4.54 | ci38488354 |
| 2020-05-06T08:27:05.150Z | 33.1843333 | -115.6156667 | 10.62 | 3.87 | ci38482130 |
| 2020-04-09T05:14:50.080Z | 33.5068333 | -116.5321667 | 11.03 | 3.05 | ci39378336 |
| 2020-04-08T01:00:14.260Z | 33.4981667 | -116.5228333 | 10.27 | 3.22 | ci39141967 |
| 2020-04-08T00:35:56.820Z | 33.5006667 | -116.5236667 | 10.28 | 3.27 | ci39141695 |
| 2020-04-08T00:30:49.230Z | 33.4985 | -116.5253333 | 9.98 | 3.54 | ci39141591 |
| 2020-04-06T15:58:14.840Z | 33.577 | -115.9081667 | 8.24 | 3.51 | ci39138119 |
| 2020-04-05T22:37:18.820Z | 33.4961667 | -116.4961667 | 13.25 | 3.5 | ci39135575 |
| 2020-04-05T21:07:44.910Z | 33.5036667 | -116.5278333 | 10.53 | 3.49 | ci39134871 |
| 2020-04-04T05:12:35.150Z | 33.4921667 | -116.5118333 | 9.85 | 3.46 | ci39128103 |
| 2020-04-04T04:07:22.120Z | 33.4913333 | -116.5188333 | 9.62 | 3.6 | ci39127679 |
| 2020-04-04T02:59:23.280Z | 33.5011667 | -116.519 | 10.37 | 3.11 | ci39126951 |
| 2020-04-04T02:05:00.170Z | 33.4946667 | -116.5153333 | 10.28 | 3.66 | ci39126263 |
| 2020-04-04T01:55:35.800Z | 33.4801667 | -116.4903333 | 9.21 | 3.07 | ci39126103 |
| 2020-04-04T01:54:22.570Z | 33.4931667 | -116.505 | 10.31 | 3.76 | ci39126087 |
| 2020-04-04T01:53:18.920Z | 33.4895 | -116.5063333 | 10.45 | 4.87 | ci39126079 |
| 2020-02-02T00:59:50.610Z | 33.5768333 | -116.8171667 | 5.16 | 3.64 | ci39289384 |
| 2019-11-20T06:42:23.430Z | 33.4996667 | -116.4581667 | 5.73 | 3.41 | ci38253786 |
| 2019-11-17T19:04:18.580Z | 33.1606667 | -115.653 | 2.42 | 3.34 | ci38249218 |
| 2019-11-10T23:18:12.020Z | 33.8688333 | -116.1965 | 8.09 | 3.11 | ci38237026 |
| 2019-11-10T22:07:59.490Z | 33.8683333 | -116.1958333 | 8.2 | 3.47 | ci38236850 |
| 2019-11-10T09:44:43.310Z | 33.9155 | -116.7265 | 16.13 | 3.36 | ci38235954 |
| 2019-11-09T10:59:10.960Z | 33.2538333 | -115.9995 | 8.71 | 3.18 | ci38233930 |
| 2019-10-29T16:21:32.590Z | 33.2281667 | -116.7433333 | 10.21 | 3.6 | ci38922103 |
| 2019-10-19T00:56:36.580Z | 33.8926667 | -116.6305 | 14.93 | 3.04 | ci38906511 |
| 2019-09-20T09:47:43.250Z | 33.3193333 | -116.4203333 | 8.36 | 3.13 | ci38847735 |
| 2019-09-19T09:59:46.580Z | 33.3596667 | -115.788 | 3.21 | 3.63 | ci38845903 |
| 2019-09-16T18:11:51.690Z | 33.3618333 | -115.789 | 3.1 | 3.77 | ci38840159 |
| 2019-09-10T20:21:49.840Z | 33.594 | -117.27 | 13.69 | 3.96 | ci38824959 |
| 2019-09-04T00:18:46.170Z | 34.0056667 | -116.7643333 | 13.3 | 3.41 | ci39040408 |
| 2019-09-02T04:05:04.610Z | 33.649 | -117.3335 | 5.73 | 3.19 | ci39034704 |
| 2019-08-21T06:50:41.210Z | 34.0126667 | -116.7518333 | 17.33 | 3.23 | ci38991056 |
| 2019-07-22T16:26:56.070Z | 33.9966667 | -116.045 | 8.23 | 4.2 | ci38624623 |
| 2019-07-20T18:14:55.960Z | 33.3113333 | -116.2551667 | 11.65 | 3.14 | ci38612127 |
| 2019-07-19T18:40:14.930Z | 33.4535 | -116.5753333 | 10.99 | 3.6 | ci38605615 |
| 2019-07-19T00:57:28.830Z | 33.3098333 | -116.2568333 | 11.54 | 3.15 | ci38600223 |
| 2019-06-13T12:38:30.650Z | 33.9396667 | -116.6745 | 17.3 | 3.03 | ci38639944 |
| 2019-06-04T04:34:02.560Z | 33.9556667 | -116.8233333 | 15.6 | 3.2 | ci38621152 |
| 2019-06-02T20:04:55.500Z | 33.8401667 | -117.0968333 | 10.84 | 3.06 | ci38617824 |
| 2019-05-08T16:14:59.220Z | 33.2133333 | -116.0665 | 10.63 | 3.48 | ci38351319 |
| 2019-04-29T00:13:14.280Z | 33.315 | -116.4198333 | 8.21 | 3.31 | ci38337167 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2019-04-11T13:05:29.520Z | 34.1106667 | -117.3161667 | 16.15 | 3.4 | ci38542824 |
| 2019-03-18T08:55:42.130Z | 33.5206667 | -116.5723333 | 2.04 | 3.11 | ci38273775 |
| 2019-03-09T15:50:32.990Z | 33.126 | -115.9986667 | 10.87 | 3 | ci38261727 |
| 2019-02-26T13:58:15.710Z | 33.2258333 | -116.7473333 | 10.23 | 3.26 | ci38474552 |
| 2019-02-13T07:38:43.600Z | 33.4888333 | -116.8013333 | 6.18 | 3 | ci37530082 |
| 2019-02-10T17:12:23.980Z | 33.705 | -116.8305 | 16.78 | 3.39 | ci37527826 |
| 2019-01-30T08:00:48.260Z | 34.0281667 | -117.2295 | 16.5 | 3.2 | ci38211423 |
| 2019-01-30T02:40:12.280Z | 34.4076667 | -116.8918333 | 1.86 | 3.56 | ci38211175 |
| 2019-01-17T13:38:40.810Z | 33.1631667 | -115.6445 | 2.89 | 3.08 | ci38195471 |
| 2019-01-09T06:04:52.780Z | 33.1211667 | -116.0593333 | 3.7 | 3.04 | ci38420072 |
| 2019-01-03T03:32:13.770Z | 33.4996667 | -116.8078333 | 2.57 | 3.1 | ci38414776 |
| 2018-12-27T01:14:59.950Z | 34.4076667 | -116.892 | 1.56 | 3.41 | ci38407640 |
| 2018-12-20T20:18:22.940Z | 33.4813333 | -116.799 | 4.07 | 3.52 | ci38401064 |
| 2018-12-04T22:06:55.200Z | 33.4848333 | -116.8036667 | 1.26 | 3.23 | ci38385480 |
| 2018-12-03T22:44:56.920Z | 33.4906667 | -116.8038333 | 2.42 | 3.1 | ci38152023 |
| 2018-11-29T13:48:53.480Z | 33.014 | -115.9866667 | 10.64 | 3.91 | ci38148759 |
| 2018-11-15T06:40:26.220Z | 33.157 | -115.636 | 3.26 | 3.45 | ci38133927 |
| 2018-11-09T14:58:09.270Z | 33.4853333 | -116.8048333 | 1.43 | 3.78 | ci38355456 |
| 2018-11-09T14:45:50.680Z | 33.4835 | -116.8021667 | 2.05 | 3.7 | ci38355352 |
| 2018-11-08T17:16:50.040Z | 33.7793333 | -116.1338333 | 7.87 | 3.2 | ci38354328 |
| 2018-10-17T22:09:19.450Z | 33.7963333 | -116.9673333 | 14.14 | 3.13 | ci37396426 |
| 2018-10-13T23:57:42.630Z | 33.4898333 | -116.8038333 | 2.84 | 3.3 | ci37389194 |
| 2018-10-01T17:56:19.620Z | 34.0013333 | -117.0173333 | 15.87 | 3.48 | ci37376114 |
| 2018-09-30T14:41:29.510Z | 34.002 | -117.0178333 | 16.33 | 3.61 | ci37374890 |
| 2018-09-20T12:44:34.520Z | 34.1016667 | -117.31 | 15.89 | 3.43 | ci37361730 |
| 2018-09-08T05:39:35.140Z | 34.4358333 | -116.899 | 2.5 | 3 | ci38052575 |
| 2018-09-07T10:45:38.640Z | 33.4828333 | -116.8026667 | 1.94 | 3.21 | ci38050879 |
| 2018-09-01T16:50:29.340Z | 33.4878333 | -116.8065 | 2.28 | 3.13 | ci38043999 |
| 2018-08-27T19:37:27.430Z | 33.8978333 | -116.2145 | 7.18 | 3.03 | ci38260864 |
| 2018-08-20T15:44:54.800Z | 33.4875 | -116.8061667 | 2.12 | 3.13 | ci38253816 |
| 2018-08-18T16:02:05.100Z | 34.2986667 | -116.9341667 | 3.98 | 3.16 | ci38252192 |
| 2018-08-15T01:24:26.310Z | 33.4771667 | -116.8033333 | 1.89 | 4.41 | ci38245496 |
| 2018-08-04T13:48:49.310Z | 33.9323333 | -116.8278333 | 6.18 | 3.13 | ci38237088 |
| 2018-07-26T18:46:42.410Z | 34.0036667 | -117.0195 | 16.03 | 3.06 | ci38230752 |
| 2018-07-23T13:40:34.800Z | 33.9305 | -116.8238333 | 5.97 | 3.03 | ci38228176 |
| 2018-06-08T20:53:48.350Z | 34.1145 | -116.9236667 | 3.96 | 3.41 | ci38193896 |
| 2018-05-30T19:22:05.300Z | 33.9241667 | -116.3225 | 8.74 | 3.77 | ci37952751 |
| 2018-05-19T19:26:51.100Z | 33.4958333 | -116.8083333 | 2.62 | 3.45 | ci37944431 |
| 2018-05-13T14:33:23.800Z | 33.0448333 | -115.9288333 | 1.35 | 3.25 | ci38172320 |
| 2018-05-13T12:05:47.300Z | 33.056 | -115.9193333 | 1.51 | 3.52 | ci38172104 |
| 2018-05-13T00:48:06.820Z | 33.043 | -115.9193333 | 2.16 | 3.41 | ci38171808 |
| 2018-05-13T00:37:11.100Z | 33.048 | -115.9243333 | 1.94 | 3.19 | ci38171784 |
| 2018-05-13T00:35:03.450Z | 33.0406667 | -115.9205 | 2.66 | 3.69 | ci37186460 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2018-05-13T00:34:57.630Z | 33.0446667 | -115.9178333 | 6.62 | 3.49 | ci38171768 |
| 2018-05-13T00:28:56.720Z | 33.0478333 | -115.9186667 | 2.27 | 3.46 | ci38171760 |
| 2018-05-08T11:51:53.440Z | 34.0176667 | -116.8003333 | 12.66 | 3.2 | ci38167864 |
| 2018-05-08T11:49:34.020Z | 34.016 | -116.7798333 | 12.89 | 4.49 | ci38167848 |
| 2018-04-26T01:36:00.560Z | 33.3796667 | -116.2983333 | 13.95 | 3.94 | ci37924223 |
| 2018-04-25T16:52:07.860Z | 33.977 | -117.2155 | 14.18 | 3.17 | ci37923679 |
| 2018-04-23T00:46:08.900Z | 33.921 | -116.3216667 | 8.25 | 3.87 | ci37920791 |
| 2018-04-02T02:53:54.670Z | 33.4925 | -116.8045 | 2.91 | 3.37 | ci37904927 |
| 2018-03-16T04:08:01.540Z | 33.9563333 | -116.3191667 | 8.31 | 3.09 | ci37894911 |
| 2018-03-11T12:45:22.130Z | 33.1778333 | -116.0291667 | 8.9 | 3.56 | ci37892055 |
| 2018-02-26T18:44:41.990Z | 33.4825 | -116.5036667 | 12.59 | 3.66 | ci38116288 |
| 2018-02-15T01:47:35.580Z | 34.0448333 | -117.14 | 13.38 | 3.34 | ci38109080 |
| 2018-02-11T09:02:30.140Z | 33.6528333 | -117.3418333 | 3.71 | 3.52 | ci38106152 |
| 2018-01-13T06:26:58.400Z | 33.1141667 | -116.0738333 | 11.53 | 3.59 | ci38086512 |
| 2017-12-30T12:15:25.490Z | 34.3155 | -116.8506667 | 1.53 | 3.22 | ci37841791 |
| 2017-12-09T20:45:24.130Z | 33.4986667 | -116.8006667 | 5.29 | 3.48 | ci37826343 |
| 2017-12-09T02:51:24.810Z | 33.1431667 | -116.475 | 10.2 | 3.03 | ci37825847 |
| 2017-12-07T10:32:47.160Z | 33.147 | -116.4781667 | 10.99 | 3.53 | ci37824735 |
| 2017-12-07T03:57:38.180Z | 33.1501667 | -116.4795 | 11.38 | 3.57 | ci37824367 |
| 2017-12-07T00:38:03.300Z | 33.15 | -116.4816667 | 11.07 | 3 | ci37824111 |
| 2017-12-07T00:33:15.330Z | 33.1478333 | -116.4791667 | 11.14 | 3.96 | ci37824087 |
| 2017-11-10T00:23:30.180Z | 33.462 | -116.4666667 | 7.44 | 3.52 | ci37808311 |
| 2017-11-09T03:28:28.240Z | 33.4638333 | -116.4701667 | 7.62 | 3.1 | ci38039592 |
| 2017-10-18T10:06:00.220Z | 33.1355 | -116.6601667 | 2.67 | 3.44 | ci38027432 |
| 2017-10-17T12:05:40.980Z | 33.1341667 | -116.6556667 | 2.73 | 3.07 | ci38026664 |
| 2017-09-16T04:39:26.220Z | 33.9745 | -116.9263333 | 5.92 | 3.03 | ci37764071 |
| 2017-09-13T21:59:42.500Z | 33.9753333 | -116.276 | 3.91 | 3.26 | ci37762351 |
| 2017-08-22T08:12:34.170Z | 33.9578333 | -116.6705 | 15.97 | 3.2 | ci37979928 |
| 2017-08-17T14:10:55.050Z | 33.9933333 | -116.8011667 | 16.81 | 3.14 | ci37976120 |
| 2017-08-14T11:11:02.360Z | 34.286 | -117.0581667 | 7.7 | 3.21 | ci37734479 |
| 2017-08-09T20:40:50.170Z | 34.2396667 | -116.8856667 | 7.65 | 3.49 | ci37730031 |
| 2017-07-26T19:43:57.700Z | 33.1646667 | -115.6463333 | 3.28 | 3.6 | ci37713463 |
| 2017-07-26T19:08:42.550Z | 33.1666667 | -115.6446667 | 3.21 | 3.32 | ci37713415 |
| 2017-06-25T13:53:24.760Z | 34.001 | -116.9018333 | 13.94 | 3.53 | ci37917624 |
| 2017-06-18T15:14:12.060Z | 33.6761667 | -116.7606667 | 15.92 | 3.18 | ci37912624 |
| 2017-06-07T07:12:35.610Z | 33.8818333 | -116.7988333 | 15.38 | 3.37 | ci37160164 |
| 2017-06-07T07:12:33.670Z | 33.8763333 | -116.8093333 | 16.41 | 3.23 | ci37663687 |
| 2017-05-29T19:00:56.330Z | 33.5825 | -116.6376667 | 14.26 | 3.15 | ci37656607 |
| 2017-05-15T18:43:08.110Z | 34.2271667 | -116.743 | 0.57 | 3.58 | ci37646015 |
| 2017-05-03T15:44:55.600Z | 33.4838333 | -116.801 | 3.27 | 3.37 | ci37638895 |
| 2017-04-23T01:47:45.150Z | 33.3735 | -116.2848333 | 13.64 | 3.01 | ci37864616 |
| 2017-04-20T14:54:54.830Z | 34.2478333 | -116.8361667 | -1.07 | 3.1 | ci37862576 |
| 2017-04-14T14:14:34.660Z | 34.0396667 | -117.2405 | 18.23 | 3.11 | ci37857344 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2017-04-14T10:38:27.740Z | 33.0375 | -116.4466667 | 5.73 | 3.18 | ci37857232 |
| 2017-04-07T06:20:47.760Z | 34.0953333 | -116.4025 | 8.88 | 3 | ci37851280 |
| 2017-03-26T08:25:44.690Z | 33.2191667 | -116.0825 | 13.36 | 3.54 | ci37612599 |
| 2017-03-18T21:17:44.460Z | 34.0401667 | -117.2375 | 17.71 | 3.49 | ci37607311 |
| 2017-03-17T21:54:25.470Z | 33.1608333 | -115.6328333 | 4.84 | 3.09 | ci37606335 |
| 2017-03-14T17:14:05.580Z | 33.239 | -116.0535 | 5.15 | 3.61 | ci37829080 |
| 2017-03-14T05:06:54.460Z | 34.0388333 | -117.2386667 | 17.64 | 3.61 | ci37828544 |
| 2017-03-02T07:31:19.440Z | 34.058 | -117.0008333 | 12.76 | 3.1 | ci37816704 |
| 2017-03-01T20:18:39.150Z | 33.1341667 | -115.8621667 | 11.51 | 3.61 | ci37816152 |
| 2017-02-10T10:10:32.620Z | 34.1305 | -117.046 | 9.67 | 3.44 | ci37580807 |
| 2017-01-04T06:48:42.820Z | 33.0683333 | -116.0645 | 13.73 | 3.03 | ci37780256 |
| 2016-12-28T17:56:59.830Z | 34.1513333 | -116.7071667 | 10.92 | 3.92 | ci37772688 |
| 2016-12-20T20:11:04.420Z | 33.2233333 | -116.0878333 | 11 | 3.15 | ci37768032 |
| 2016-10-24T01:12:32.830Z | 33.2488333 | -116.4145 | 4.95 | 3.31 | ci37510559 |
| 2016-10-08T22:43:49.150Z | 34.0075 | -117.2521667 | 14.11 | 3.74 | ci37713424 |
| 2016-10-05T14:11:30.240Z | 33.1601667 | -115.6421667 | 2.93 | 3.02 | ci37710608 |
| 2016-10-05T13:47:47.380Z | 33.1595 | -115.6416667 | 3 | 3.4 | ci37710576 |
| 2016-09-29T18:07:59.280Z | 33.2873333 | -115.7248333 | 4.83 | 3.21 | ci37705744 |
| 2016-09-28T02:33:50.330Z | 33.2973333 | -115.7166667 | 6.9 | 3.27 | ci37703656 |
| 2016-09-28T01:13:03.710Z | 33.2988333 | -115.7053333 | 6.85 | 3.49 | ci37703552 |
| 2016-09-28T01:05:51.190Z | 33.2986667 | -115.7118333 | 7.03 | 3.64 | ci37703504 |
| 2016-09-27T05:52:50.520Z | 33.2906667 | -115.711 | 6.74 | 3.18 | ci37702144 |
| 2016-09-27T03:46:30.410Z | 33.308 | -115.6973333 | 3.1 | 3.46 | ci37701656 |
| 2016-09-27T03:39:40.620Z | 33.3091667 | -115.6933333 | 2.54 | 3.39 | ci37701640 |
| 2016-09-27T03:36:15.240Z | 33.3058333 | -115.701 | 2.52 | 4.13 | ci37701632 |
| 2016-09-27T03:25:06.150Z | 33.2905 | -115.7118333 | 5.03 | 3.27 | ci37701552 |
| 2016-09-27T03:24:44.710Z | 33.3026667 | -115.6945 | 1.85 | 3.11 | ci37147076 |
| 2016-09-27T03:23:58.150Z | 33.2998333 | -115.7123333 | 4.84 | 4.33 | ci37701544 |
| 2016-09-27T03:06:14.250Z | 33.2971667 | -115.716 | 2.99 | 3.33 | ci37701512 |
| 2016-09-26T23:34:01.180Z | 33.2951667 | -115.7065 | 5.63 | 3.03 | ci37382749 |
| 2016-09-26T23:33:37.160Z | 33.2958333 | -115.7056667 | 3.23 | 3.2 | ci37701312 |
| 2016-09-26T15:48:40.110Z | 33.2958333 | -115.7153333 | 2.47 | 3.18 | ci37382677 |
| 2016-09-26T15:47:28.670Z | 33.2925 | -115.7216667 | 2.74 | 3.08 | ci37700544 |
| 2016-09-26T14:31:08.040Z | 33.2976667 | -115.7136667 | 2.2 | 4.32 | ci37700296 |
| 2016-09-26T13:14:19.430Z | 33.2921667 | -115.7136667 | 4.34 | 3.26 | ci37700208 |
| 2016-09-24T09:11:14.460Z | 33.991 | -116.3896667 | 8.65 | 3.43 | ci37698568 |
| 2016-09-02T15:42:14.610Z | 34.0831667 | -116.7145 | 10.69 | 3.12 | ci37467503 |
| 2016-08-31T07:04:14.250Z | 33.267 | -116.1146667 | 3.09 | 3.13 | ci37677128 |
| 2016-08-30T14:25:10.810Z | 34.4195 | -116.5495 | 8.06 | 3.43 | ci37676560 |
| 2016-08-21T20:09:17.840Z | 33.1588333 | -115.6375 | 5.52 | 3.13 | ci37667584 |
| 2016-08-15T21:02:16.440Z | 33.9803333 | -116.7178333 | 11.53 | 3.32 | ci37446943 |
| 2016-08-06T14:39:18.710Z | 33.1676667 | -116.4206667 | 13.76 | 3.39 | ci37437039 |
| 2016-07-30T17:22:28.540Z | 33.196 | -116.6825 | 11.85 | 3.19 | ci37643624 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
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| 2016-06-20T04:21:14.710Z | 34.3051667 | -116.9191667 | 1.4 | 3.08 | ci37392719 |
| 2016-06-17T13:39:59.470Z | 34.2021667 | -116.8313333 | 7 | 3.07 | ci37389823 |
| 2016-06-16T17:02:02.530Z | 34.0723333 | -116.3785 | 2.43 | 3.53 | ci37389015 |
| 2016-06-11T01:40:30.950Z | 33.4598333 | -116.4883333 | 10.81 | 3.04 | ci37380967 |
| 2016-06-10T11:14:11.970Z | 33.4593333 | -116.4243333 | 11.2 | 3.46 | ci37377079 |
| 2016-06-10T08:46:46.320Z | 33.4578333 | -116.4643333 | 11.87 | 3.1 | ci37375391 |
| 2016-06-10T08:33:57.320Z | 33.4323333 | -116.4538333 | 11.43 | 3.17 | ci37375143 |
| 2016-06-10T08:06:22.670Z | 33.4436667 | -116.466 | 10.78 | 3.19 | ci37374719 |
| 2016-06-10T08:06:14.010Z | 33.4493333 | -116.4505 | 11.91 | 3.2 | ci37142124 |
| 2016-06-10T08:05:35.800Z | 33.4425 | -116.405 | 12.74 | 3.75 | ci37374711 |
| 2016-06-10T08:04:38.700Z | 33.4315 | -116.4426667 | 12.31 | 5.19 | ci37374687 |
| 2016-06-02T23:06:15.930Z | 34.1796667 | -117.2931667 | 8.68 | 3.14 | ci37367951 |
| 2016-02-20T06:13:20.330Z | 34.6098333 | -116.6288333 | 6.7 | 4.31 | ci37526424 |
| 2016-02-16T09:24:20.700Z | 34.3026667 | -116.8633333 | 3.14 | 3.87 | ci37524376 |
| 2016-02-14T09:01:09.740Z | 33.8916667 | -117.1176667 | 13.61 | 3.43 | ci37523696 |
| 2016-01-09T11:43:10.820Z | 33.6605 | -116.7736667 | 13.63 | 3.3 | ci37511280 |
| 2016-01-06T14:42:34.880Z | 33.9585 | -116.8883333 | 16.67 | 4.39 | ci37510616 |
| 2015-12-19T01:45:47.170Z | 33.8371667 | -117.0478333 | 13.88 | 3.05 | ci37286351 |
| 2015-12-18T00:21:00.930Z | 33.2561667 | -115.7183333 | 3.33 | 3.6 | ci37285815 |
| 2015-12-10T08:17:33.340Z | 34.3206667 | -116.8531667 | 3.51 | 3.01 | ci37500544 |
| 2015-12-07T14:06:09.640Z | 34.0721667 | -116.671 | 10.46 | 3.32 | ci37499408 |
| 2015-12-02T23:27:36.030Z | 33.0265 | -116.4338333 | 6.89 | 3.29 | ci37280407 |
| 2015-11-27T01:21:28.040Z | 33.792 | -116.1033333 | 6.62 | 3.01 | ci37278167 |
| 2015-10-17T02:31:59.940Z | 34.1191667 | -116.9125 | 7.23 | 3.31 | ci37476904 |
| 2015-10-16T05:29:51.210Z | 33.2711667 | -116.7896667 | 8.53 | 3.19 | ci37476536 |
| 2015-10-14T13:55:29.960Z | 34.197 | -116.9068333 | 10.11 | 3.47 | ci37475560 |
| 2015-09-16T16:10:47.340Z | 34.1371667 | -116.858 | 9.55 | 4 | ci37243591 |
| 2015-08-04T03:40:59.590Z | 34.4565 | -116.461 | 2.79 | 3.21 | ci37219951 |
| 2015-06-09T21:58:41.530Z | 33.778 | -115.7006667 | 9.949 | 3.83 | ci37396400 |
| 2015-05-31T13:02:56.460Z | 33.3135 | -116.2816667 | 12.769 | 3.59 | ci37390968 |
| 2015-05-30T05:23:56.720Z | 33.8766667 | -116.1425 | 7.04 | 3.7 | ci37390168 |
| 2015-05-21T05:06:12.800Z | 33.163 | -115.6468333 | 3.39 | 3.33 | ci37166303 |
| 2015-05-21T03:51:01.850Z | 33.1596667 | -115.6483333 | 3.16 | 3.28 | ci37166175 |
| 2015-05-21T03:15:29.690Z | 33.1621667 | -115.6425 | 5.74 | 4.1 | ci37166079 |
| 2015-05-06T07:39:46.970Z | 33.8128333 | -116.9795 | 14.86 | 3.72 | ci37375632 |
| 2015-04-19T04:35:45.650Z | 34.0161667 | -116.4375 | 0.006 | 3.15 | ci37147927 |
| 2015-03-27T15:36:57.470Z | 33.9298333 | -116.032 | 1.214 | 3.67 | ci37350736 |
| 2015-03-14T11:52:19.750Z | 34.5771667 | -116.268 | 1.059 | 3.2 | ci37338184 |
| 2015-02-26T01:18:37.470Z | 33.9376667 | -116.0285 | 3.176 | 3.67 | ci37103367 |
| 2015-02-07T14:05:58.270Z | 33.2986667 | -116.2815 | 13.162 | 3.28 | ci37313832 |
| 2015-01-25T18:10:17.830Z | 32.9708333 | -116.4248333 | 7.877 | 3.2 | ci37308936 |
| 2015-01-18T13:23:43.010Z | 33.3383333 | -116.3316667 | 12.289 | 3.68 | ci37306536 |
| 2014-12-24T05:51:51.440Z | 33.1851667 | -115.6085 | 1.387 | 4.19 | ci37298672 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
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| 2014-12-23T07:59:01.450Z | 34.0175 | -117.228 | 15.909 | 3.06 | ci37298432 |
| 2014-12-04T16:53:21.190Z | 33.9631667 | -116.6346667 | 14.651 | 3.56 | ci37066415 |
| 2014-11-03T08:53:35.480Z | 34.0175 | -117.2323333 | 17.149 | 3.29 | ci37284704 |
| 2014-10-25T11:07:36.140Z | 34.2836667 | -117.0356667 | 11.351 | 3.05 | ci37282232 |
| 2014-10-12T20:16:04.340Z | 34.0331667 | -116.3168333 | 8.628 | 3.3 | ci37278432 |
| 2014-10-11T21:02:44.800Z | 34.0338333 | -116.6503333 | 11.085 | 3.16 | ci37278104 |
| 2014-09-14T22:16:55.710Z | 33.7958333 | -116.9635 | 12.184 | 3.04 | ci37268056 |
| 2014-09-09T16:08:30.990Z | 33.78 | -116.1178333 | 5.721 | 3.34 | ci37266216 |
| 2014-09-03T02:38:35.880Z | 33.7988333 | -116.964 | 13.127 | 3.64 | ci37264024 |
| 2014-08-18T04:55:56.780Z | 34.3303333 | -116.8301667 | 5.943 | 3.67 | ci37259096 |
| 2014-08-15T03:57:18.800Z | 34.3018333 | -116.4428333 | 8.737 | 3.8 | ci15538561 |
| 2014-08-07T21:45:53.770Z | 33.4835 | -116.47 | 13.298 | 3.25 | ci15535825 |
| 2014-07-24T19:20:14.640Z | 32.9038333 | -116.268 | 8.053 | 3.52 | ci15530681 |
| 2014-07-17T14:24:34.320Z | 33.428 | -116.4253333 | 12.766 | 3.37 | ci15527617 |
| 2014-07-15T06:07:14.190Z | 33.5915 | -115.9128333 | 9.878 | 3.02 | ci15526857 |
| 2014-07-10T20:41:43.650Z | 33.5046667 | -116.507 | 13.904 | 3.22 | ci15524873 |
| 2014-07-09T21:48:04.810Z | 33.2506667 | -115.9816667 | 2.906 | 3.19 | ci15524489 |
| 2014-07-08T12:31:46.080Z | 33.1618333 | -115.647 | 1.938 | 3.2 | ci15523545 |
| 2014-07-07T08:51:05.540Z | 34.2761667 | -117.0258333 | 6.866 | 3.03 | ci15522785 |
| 2014-07-05T17:00:26.490Z | 34.2743333 | -117.0178333 | 8.094 | 3.39 | ci15520993 |
| 2014-07-05T16:59:34.090Z | 34.2823333 | -117.0266667 | 7.25 | 4.58 | ci15520985 |
| 2014-07-03T23:50:27.720Z | 33.1641667 | -115.646 | 1.818 | 3.12 | ci15519497 |
| 2014-05-19T20:08:51.620Z | 34.2533333 | -116.8248333 | 5.531 | 3.84 | ci15503377 |
| 2014-05-09T04:49:33.170Z | 33.9238333 | -116.7273333 | 18.095 | 3.09 | ci15499489 |
| 2014-04-25T19:26:08.760Z | 33.9855 | -115.6631667 | 4.435 | 3.3 | ci37217280 |
| 2014-04-11T23:53:15.190Z | 33.2011667 | -116.0478333 | 8.704 | 3.17 | ci37210760 |
| 2014-03-05T09:17:01.800Z | 33.9296667 | -116.347 | 6.042 | 3.07 | ci15472609 |
| 2014-01-27T12:42:38.020Z | 33.6446667 | -116.7385 | 15.085 | 3.19 | ci11418122 |
| 2013-12-31T09:21:08.640Z | 33.5015 | -116.4773333 | 7.984 | 3.08 | ci11407970 |
| 2013-12-30T23:44:21.440Z | 33.7001667 | -116.7325 | 18.208 | 3.63 | ci11407682 |
| 2013-12-30T18:32:35.080Z | 33.3883333 | -116.3325 | 9.98 | 3.3 | ci11407610 |
| 2013-11-30T15:10:13.180Z | 33.0023333 | -116.4575 | 7.563 | 3.16 | ci11397090 |
| 2013-11-30T11:36:35.770Z | 33.0006667 | -116.457 | 8.813 | 3.19 | ci11397026 |
| 2013-11-11T09:29:20.650Z | 34.018 | -117.2336667 | 16.617 | 3.09 | ci11390322 |
| 2013-10-14T12:39:20.030Z | 33.204 | -115.677 | 0.923 | 3 | ci11377986 |
| 2013-10-14T12:38:23.890Z | 33.2015 | -115.676 | 1.603 | 3.61 | ci11377978 |
| 2013-09-29T08:41:31.650Z | 32.8986667 | -116.2815 | 1.956 | 3.58 | ci11371154 |
| 2013-09-29T00:36:16.520Z | 32.8973333 | -116.2755 | 1.116 | 3.29 | ci11371058 |
| 2013-09-22T13:10:10.500Z | 33.4608333 | -116.6035 | 12.223 | 3.43 | ci11368274 |
| 2013-09-20T06:10:43.370Z | 33.3406667 | -116.3905 | 12.836 | 3.8 | ci11366994 |
| 2013-09-04T04:04:54.020Z | 33.2921667 | -116.4223333 | 13.378 | 3.22 | ci11359338 |
| 2013-08-24T23:25:52.300Z | 34.0113333 | -116.6273333 | 9.315 | 3.01 | ci15396409 |
| 2013-08-22T13:29:23.270Z | 33.4323333 | -117.0886667 | 6.748 | 3.59 | ci15395521 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2013-08-16T03:53:36.550Z | 33.1851667 | -115.9733333 | 2.504 | 3.21 | ci11351394 |
| 2013-07-22T01:59:48.050Z | 33.942 | -116.736 | 17.275 | 3.19 | ci11337786 |
| 2013-06-29T20:25:06.890Z | 33.2491667 | -116.0046667 | 1.839 | 3.29 | ci11328074 |
| 2013-06-28T17:45:48.000Z | 33.6245 | -116.6956667 | 14.381 | 3.41 | ci11327386 |
| 2013-06-24T22:09:33.190Z | 33.739 | -115.9453333 | -0.318 | 3.03 | ci11325466 |
| 2013-06-19T19:11:50.840Z | 34.0093333 | -117.1718333 | 3.912 | 3.09 | ci11321730 |
| 2013-06-03T19:04:10.170Z | 33.232 | -115.6253333 | 2.503 | 3.92 | ci15353521 |
| 2013-06-03T12:43:34.550Z | 33.2335 | -115.6251667 | 1.943 | 3.05 | ci15353321 |
| 2013-05-15T16:20:05.120Z | 33.9795 | -116.767 | 16.491 | 3.12 | ci15343017 |
| 2013-04-29T17:32:09.340Z | 33.1553333 | -115.642 | 1.583 | 3.03 | ci15334809 |
| 2013-04-25T18:59:43.990Z | 33.6463333 | -116.7401667 | 15.535 | 3.08 | ci15332633 |
| 2013-04-07T19:14:02.990Z | 33.8023333 | -116.0931667 | 3.317 | 3.49 | ci11281370 |
| 2013-03-27T18:16:59.910Z | 33.4945 | -116.443 | 7.308 | 3.68 | ci11273634 |
| 2013-03-27T17:50:29.130Z | 33.4953333 | -116.4445 | 6.957 | 3.41 | ci11273498 |
| 2013-03-13T04:21:13.690Z | 33.5126667 | -116.475 | 10.237 | 3.42 | ci15302289 |
| 2013-03-11T16:56:57.750Z | 33.508 | -116.4475 | 12.927 | 3 | ci15296289 |
| 2013-03-11T16:56:06.060Z | 33.5008333 | -116.4581667 | 10.943 | 4.7 | ci15296281 |
| 2013-03-04T23:17:40.750Z | 34.0335 | -117.2473333 | 15.892 | 3.47 | ci15293905 |
| 2013-02-26T20:18:49.950Z | 34.0201667 | -117.2205 | 15.895 | 3.56 | ci11249474 |
| 2013-02-21T20:57:39.910Z | 33.2318333 | -116.0563333 | 9.822 | 3.63 | ci11247690 |
| 2013-02-17T17:04:53.140Z | 33.0141667 | -116.311 | 10.225 | 3.36 | ci11245850 |
| 2013-01-17T02:10:02.470Z | 34.0076667 | -117.1298333 | 13.267 | 3.05 | ci15274169 |
| 2012-12-22T21:37:45.140Z | 32.9966667 | -116.2388333 | 7.065 | 4.02 | ci15267105 |
| 2012-12-14T23:34:39.600Z | 33.8841667 | -115.9876667 | 4.393 | 3.49 | ci15263993 |
| 2012-11-27T00:58:32.450Z | 34.3683333 | -117.179 | 6.157 | 3.41 | ci11209170 |
| 2012-11-26T15:33:50.700Z | 33.0036667 | -116.2348333 | 5.628 | 3.57 | ci11208786 |
| 2012-10-28T07:47:03.040Z | 33.6918333 | -116.8131667 | 18.01 | 3.87 | ci15237073 |
| 2012-10-09T13:00:02.220Z | 33.7101667 | -117.3491667 | 12.944 | 3.35 | ci15227017 |
| 2012-10-08T00:39:08.340Z | 33.0123333 | -116.3115 | 10.798 | 4.16 | ci15226257 |
| 2012-09-25T12:02:04.580Z | 33.1588333 | -115.6415 | 4.013 | 3.12 | ci15220681 |
| 2012-09-18T21:09:39.730Z | 33.6938333 | -116.7375 | 18.908 | 3.02 | ci15217865 |
| 2012-09-10T15:44:42.740Z | 33.2796667 | -115.7128333 | 3.438 | 3.25 | ci15213465 |
| 2012-08-26T21:17:26.720Z | 34.175 | -115.608 | 8.9 | 3.9 | usp000jqts |
| 2012-08-26T09:53:13.930Z | 33.8708333 | -116.1966667 | 7.855 | 3.31 | ci15198697 |
| 2012-08-21T02:40:14.310Z | 34.2546667 | -117.0731667 | 2.076 | 3.03 | ci15195785 |
| 2012-08-19T03:43:46.260Z | 33.1675 | -115.98 | 8.436 | 3.4 | ci15194825 |
| 2012-07-22T03:00:37.690Z | 34.0893333 | -116.3923333 | 9.88 | 3.17 | ci15181601 |
| 2012-07-12T17:54:28.820Z | 34.0895 | -116.3913333 | 9.9 | 3.86 | ci11135362 |
| 2012-07-08T10:50:03.130Z | 33.9613333 | -116.1321667 | 6.242 | 3.27 | ci11133514 |
| 2012-07-05T18:18:09.480Z | 34.304 | -116.8415 | 5.699 | 3.51 | ci11132314 |
| 2012-07-04T09:04:43.600Z | 33.3781667 | -116.301 | 13.33 | 3.36 | ci11131698 |
| 2012-06-26T04:22:20.380Z | 34.0615 | -116.3656667 | 6.39 | 3.31 | ci11127274 |
| 2012-06-19T04:01:38.410Z | 33.0751667 | -116.0456667 | 9.816 | 3.25 | ci15166225 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2012-05-21T06:19:58.600Z | 33.476 | -116.4868333 | 13.924 | 3.38 | ci15152625 |
| 2012-05-18T10:37:12.020Z | 33.3195 | -116.4021667 | 6.338 | 3.61 | ci15150785 |
| 2012-05-08T23:55:42.550Z | 34.1596667 | -116.4238333 | 7.049 | 3.16 | ci11104354 |
| 2012-04-24T19:44:09.820Z | 33.7115 | -116.8401667 | 16.754 | 3.31 | ci15139881 |
| 2012-04-22T16:18:33.880Z | 33.3218333 | -116.4023333 | 6.158 | 3.49 | ci15138681 |
| 2012-04-19T11:46:04.340Z | 33.794 | -116.0931667 | 1.38 | 3.04 | ci15137489 |
| 2012-04-12T18:53:01.260Z | 33.4641667 | -116.4663333 | 6.188 | 3.52 | ci11092194 |
| 2012-04-04T01:12:09.080Z | 33.8576667 | -116.1568333 | 1.927 | 3.54 | ci11088434 |
| 2012-04-03T15:15:37.360Z | 33.8575 | -116.1565 | 1.497 | 3.52 | ci11088074 |
| 2012-04-01T08:26:12.670Z | 33.3785 | -116.8525 | 6.71 | 3 | ci11087194 |
| 2012-03-30T06:09:27.350Z | 33.304 | -116.8788333 | 13.889 | 3.26 | ci11086258 |
| 2012-03-28T10:09:53.450Z | 33.0071667 | -116.4498333 | 9.957 | 3.31 | ci11085378 |
| 2012-03-15T06:31:23.240Z | 33.2293333 | -116.1016667 | 11.232 | 3.27 | ci11080154 |
| 2012-03-15T06:30:34.290Z | 33.2281667 | -116.097 | 13.712 | 3.4 | ci11080146 |
| 2012-02-14T13:05:29.300Z | 33.2421667 | -116.2516667 | 4.658 | 3.01 | ci11066957 |
| 2012-01-08T01:59:54.080Z | 33.733 | -116.0571667 | 6.388 | 3.51 | ci11051197 |
| 2012-01-06T16:58:54.040Z | 33.7306667 | -116.0543333 | 4.488 | 3.47 | ci11050541 |
| 2012-01-06T02:47:51.070Z | 34.002 | -116.3371667 | 4.362 | 3.08 | ci11050165 |
| 2011-12-26T12:32:20.430Z | 34.0065 | -116.3231667 | 9.632 | 3.16 | ci11046613 |
| 2011-11-22T14:39:43.520Z | 33.4683333 | -116.5803333 | 8.207 | 3.08 | ci11035389 |
| 2011-11-19T20:32:33.970Z | 33.246 | -116.2615 | 3.798 | 3.33 | ci37011839 |
| 2011-11-19T20:32:21.200Z | 33.2451667 | -116.2651667 | 8.958 | 3.85 | ci11034469 |
| 2011-11-14T04:59:18.120Z | 33.9696667 | -117.2256667 | 11.495 | 3.04 | ci15075388 |
| 2011-11-08T18:27:32.520Z | 32.9133333 | -116.3578333 | 10.343 | 3 | ci15073692 |
| 2011-10-22T21:32:59.390Z | 32.9965 | -116.401 | 9.031 | 3.01 | ci11024109 |
| 2011-10-17T17:33:11.890Z | 32.9966667 | -116.3988333 | 9.091 | 3.06 | ci15064500 |
| 2011-10-05T07:36:19.320Z | 33.4786667 | -116.4543333 | 13.141 | 3.19 | ci15059420 |
| 2011-09-27T20:17:40.230Z | 34.3096667 | -116.9746667 | 3.947 | 3.1 | ci15056420 |
| 2011-09-14T14:44:51.020Z | 33.953 | -117.0758333 | 16.276 | 4.14 | ci11006189 |
| 2011-07-26T17:42:13.270Z | 33.481 | -116.4916667 | 13.304 | 3.09 | ci10982077 |
| 2011-07-15T12:03:11.960Z | 33.7548333 | -116.9336667 | 14.343 | 3.1 | ci15017980 |
| 2011-06-26T08:56:30.230Z | 33.1725 | -115.6515 | 1.443 | 3.08 | ci10964829 |
| 2011-06-17T17:38:51.070Z | 32.998 | -116.3523333 | 7.244 | 3.63 | ci10960933 |
| 2011-06-14T08:25:40.650Z | 33.6903333 | -116.74 | 16.736 | 3.6 | ci15001500 |
| 2011-06-05T13:53:19.590Z | 33.9843333 | -116.5616667 | 11.813 | 3.07 | ci14996388 |
| 2011-06-03T05:45:23.990Z | 33.6355 | -116.732 | 11.589 | 3.11 | ci14995172 |
| 2011-06-02T23:38:52.130Z | 34.2166667 | -116.7526667 | 1.595 | 3.18 | ci14995068 |
| 2011-05-27T23:17:24.730Z | 34.2216667 | -117.0503333 | -0.271 | 3.8 | ci14992276 |
| 2011-04-23T20:49:29.810Z | 33.0208333 | -116.3176667 | 3.684 | 3.59 | ci10931805 |
| 2011-04-15T11:48:56.400Z | 33.4623333 | -116.4506667 | 4.258 | 3 | ci10926101 |
| 2011-04-15T11:47:26.050Z | 33.4618333 | -116.4451667 | 3.468 | 3.19 | ci10926085 |
| 2011-03-31T23:34:03.700Z | 34.3218333 | -116.8375 | 1.256 | 3.08 | ci14960740 |
| 2011-03-29T10:43:24.700Z | 33.2248333 | -116.7566667 | 10.018 | 3.7 | ci14959236 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
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| 2011-03-03T20:17:35.880Z | 34.4681667 | -116.5163333 | 9.177 | 3.42 | ci10902605 |
| 2011-02-12T17:30:43.710Z | 33.7043333 | -116.8318333 | 15.941 | 3.62 | ci10891517 |
| 2011-01-10T11:26:04.790Z | 33.2265 | -116.7725 | 9.868 | 3.11 | ci10871621 |
| 2011-01-03T11:38:12.410Z | 33.8251667 | -116.9856667 | 11.882 | 3.3 | ci10866637 |
| 2011-01-01T01:00:46.850Z | 33.1625 | -115.6375 | 1.573 | 3.16 | ci10865389 |
| 2011-01-01T00:34:10.130Z | 33.1596667 | -115.6445 | 1.813 | 3.52 | ci10865293 |
| 2010-12-30T17:37:20.820Z | 32.9916667 | -116.3546667 | 4.394 | 3.8 | ci10864749 |
| 2010-12-28T02:52:26.530Z | 33.1861667 | -115.6198333 | 4.203 | 3.58 | ci10863557 |
| 2010-12-28T02:38:37.750Z | 33.1883333 | -115.6213333 | 4.223 | 3.78 | ci10863405 |
| 2010-12-23T03:39:35.950Z | 33.3716667 | -116.4246667 | 5.906 | 3.17 | ci10861101 |
| 2010-12-21T11:01:49.630Z | 32.9193333 | -116.2671667 | 12.386 | 3.36 | ci10860557 |
| 2010-12-10T18:44:38.350Z | 33.1393333 | -116.471 | 9.491 | 3.91 | ci14895084 |
| 2010-12-01T19:31:34.430Z | 34.0166667 | -117.2266667 | 16.461 | 3.22 | ci14889324 |
| 2010-11-19T00:56:54.970Z | 33.3883333 | -116.418 | 11.466 | 3.75 | ci14883716 |
| 2010-11-17T23:58:42.940Z | 33.0036667 | -116.4665 | 4.697 | 3.68 | ci14883196 |
| 2010-11-17T09:46:14.540Z | 33.9875 | -117.1586667 | 14.053 | 3.16 | ci10840549 |
| 2010-10-12T06:58:59.270Z | 33.0025 | -116.4678333 | 7.087 | 3.17 | ci14859076 |
| 2010-10-06T17:58:06.870Z | 33.1468333 | -116.4916667 | 3.322 | 3.94 | ci14854812 |
| 2010-08-28T14:13:27.940Z | 33.231 | -115.6385 | 3.133 | 3.26 | ci10787949 |
| 2010-08-27T17:32:47.970Z | 33.2238333 | -115.6298333 | 2.063 | 3.57 | ci10787509 |
| 2010-08-27T10:01:02.720Z | 33.2255 | -115.6425 | 2.063 | 3.17 | ci10787333 |
| 2010-08-21T13:59:45.570Z | 33.8815 | -116.693 | 11.981 | 3.59 | ci10783581 |
| 2010-08-11T20:47:20.270Z | 33.3731667 | -116.4128333 | 8.446 | 3.38 | ci10775845 |
| 2010-08-06T17:39:31.670Z | 33.979 | -116.4431667 | 7.177 | 4.05 | ci10771621 |
| 2010-07-25T21:25:41.400Z | 33.1575 | -116.0053333 | 13.3 | 3.8 | ci10761973 |
| 2010-07-22T10:49:20.800Z | 34.4791667 | -116.2666667 | 7.438 | 3.07 | ci10758749 |
| 2010-07-12T05:50:29.240Z | 33.4778333 | -116.442 | 7.597 | 3.3 | ci10748837 |
| 2010-07-08T02:34:35.980Z | 33.4578333 | -116.4761667 | 11.368 | 3.4 | ci10738357 |
| 2010-07-08T01:07:10.880Z | 33.4451667 | -116.4061667 | 10.868 | 3.01 | ci10737309 |
| 2010-07-07T23:57:23.040Z | 33.391 | -116.4508333 | 12.476 | 3 | ci10736101 |
| 2010-07-07T23:53:33.480Z | 33.4173333 | -116.4746667 | 12.318 | 5.42 | ci10736069 |
| 2010-06-18T15:14:39.980Z | 33.3905 | -116.4166667 | 8.706 | 3.41 | ci10715365 |
| 2010-06-15T16:23:44.430Z | 33.395 | -116.4223333 | 10.106 | 3.04 | ci14749724 |
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| 2010-06-13T03:08:57.090Z | 33.3833333 | -116.4158333 | 11.156 | 4.45 | ci10701405 |
| 2010-06-07T20:41:36.510Z | 34.3168333 | -116.8466667 | 0.059 | 3.22 | ci14738076 |
| 2010-06-07T20:32:56.510Z | 34.3165 | -116.8475 | 0.019 | 3.32 | ci14738052 |
| 2010-06-03T14:15:48.880Z | 33.2515 | -116.0488333 | 5.349 | 3.07 | ci14733300 |
| 2010-06-03T08:44:13.790Z | 33.5048333 | -116.4626667 | 5.427 | 3.18 | ci14733020 |
| 2010-05-19T07:21:34.700Z | 32.9938333 | -116.3521667 | 8.834 | 3.48 | ci10672565 |
| 2010-05-18T08:10:00.350Z | 33.8326667 | -115.5703333 | 1.004 | 3.54 | ci10671165 |
| 2010-05-08T13:47:03.380Z | 33.2666667 | -116.0476667 | 3.389 | 3.4 | ci10657237 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
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| 2010-04-06T18:37:15.620Z | 33.1458333 | -115.9635 | 12.56 | 3.08 | ci14621052 |
| 2010-04-05T17:28:28.760Z | 33.0436667 | -116.4095 | 13.2 | 3.15 | ci14614188 |
| 2010-04-05T17:26:51.770Z | 33.0451667 | -116.4133333 | 13.1 | 3.6 | ci14614172 |
| 2010-04-04T23:27:22.600Z | 33.0575 | -116.3838333 | 13.379 | 3.27 | ci14607916 |
| 2010-04-04T23:22:04.560Z | 33.1496667 | -116.494 | 12.1 | 3.54 | ci14607860 |
| 2010-04-04T22:56:40.430Z | 33.1508333 | -116.4823333 | 10.658 | 3.89 | ci14607748 |
| 2010-04-04T22:47:57.980Z | 32.8985 | -116.2651667 | 13.514 | 3.34 | ci14607684 |
| 2010-03-28T21:35:26.190Z | 34.3516667 | -116.463 | 3.243 | 3.05 | ci14605532 |
| 2010-03-21T15:29:59.690Z | 33.9411667 | -116.7361667 | 13.686 | 3.03 | ci14603204 |
| 2010-03-13T16:32:32.320Z | 32.9906667 | -116.358 | 4.984 | 4.23 | ci14600292 |
| 2010-03-11T01:39:38.810Z | 33.2501667 | -116.6886667 | 3.803 | 3.52 | ci14598996 |
| 2010-03-10T10:05:09.480Z | 33.2496667 | -116.6851667 | 3.803 | 3.01 | ci14598756 |
| 2010-03-09T04:18:21.870Z | 32.994 | -116.359 | 4.814 | 4.02 | ci14598228 |
| 2010-02-19T19:56:23.050Z | 34.0146667 | -117.1841667 | 6.432 | 3.59 | ci10544917 |
| 2010-02-19T19:54:28.310Z | 34.0123333 | -117.1878333 | 6.809 | 3.2 | ci10544901 |
| 2010-02-19T19:53:42.710Z | 34.0105 | -117.1886667 | 6.946 | 3.36 | ci10544893 |
| 2010-02-17T21:35:51.180Z | 34.0066667 | -117.191 | 7.633 | 3.32 | ci10543901 |
| 2010-02-17T05:04:54.390Z | 34.0065 | -117.192 | 7.302 | 3.11 | ci10543429 |
| 2010-02-14T06:58:27.140Z | 33.2333333 | -115.6995 | 3.293 | 3.04 | ci10542293 |
| 2010-02-13T21:39:06.600Z | 34.0045 | -117.1796667 | 8.025 | 4.1 | ci10541957 |
| 2010-01-23T13:17:17.010Z | 33.1568333 | -115.6465 | 2.663 | 3.03 | ci10533445 |
| 2010-01-20T11:51:46.750Z | 32.9901667 | -116.3606667 | 4.497 | 3.37 | ci10532501 |
| 2010-01-16T12:03:25.700Z | 33.9321667 | -117.0231667 | 13.143 | 4.28 | ci10530013 |
| 2010-01-12T02:36:08.440Z | 33.9663333 | -116.8763333 | 8.782 | 4.27 | ci14571828 |
| 2010-01-11T23:33:52.520Z | 33.9658333 | -116.8775 | 9.412 | 3.24 | ci14571772 |
| 2010-01-11T23:24:00.270Z | 33.9653333 | -116.8771667 | 8.642 | 3.12 | ci14571732 |
| 2009-12-31T00:17:56.360Z | 34.0141667 | -117.1163333 | 10.357 | 3.22 | ci14566196 |
| 2009-11-22T15:55:31.660Z | 34.3591667 | -116.8915 | 1.519 | 3.63 | ci14547996 |
| 2009-11-18T00:44:00.600Z | 33.1821667 | -115.6115 | 2.163 | 3.36 | ci14545820 |
| 2009-11-16T13:54:34.120Z | 33.4146667 | -116.6345 | 6.671 | 3.61 | ci10497645 |
| 2009-11-15T07:54:22.700Z | 33.9136667 | -117.059 | 12.855 | 3.29 | ci10497213 |
| 2009-11-11T03:24:23.390Z | 33.2476667 | -116.0521667 | 3.879 | 3.56 | ci10495349 |
| 2009-10-21T13:17:16.360Z | 34.1131667 | -116.9143333 | 8.168 | 3.24 | ci10483781 |
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| 2009-08-12T23:49:04.910Z | 33.1 | -116.2138333 | 8.123 | 3.54 | ci14499528 |
| 2009-07-26T04:54:03.590Z | 33.633 | -116.719 | 12.745 | 3.53 | ci14491232 |
| 2009-07-20T12:10:20.590Z | 33.0995 | -116.2156667 | 11.813 | 3.63 | ci10440529 |
| 2009-06-21T14:29:33.410Z | 34.1158333 | -117.3238333 | 17.28 | 3.28 | ci14477816 |
| 2009-06-19T15:30:37.010Z | 33.3768333 | -116.403 | 12.116 | 3.2 | ci14476736 |
| 2009-06-14T05:00:40.440Z | 33.1625 | -115.6415 | 4.543 | 3.3 | ci14473944 |
| 2009-04-26T05:10:27.250Z | 34.4903333 | -116.2376667 | 4.623 | 3.07 | ci10400793 |
| 2009-04-17T04:57:01.500Z | 33.1978333 | -115.6403333 | 5.253 | 3.79 | ci10396633 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
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| 2009-04-09T21:45:30.670Z | 33.1555 | -116.5621667 | 13.123 | 3.39 | ci14442800 |
| 2009-04-08T22:04:02.360Z | 33.318 | -115.7226667 | 4.153 | 3.46 | ci14442392 |
| 2009-03-26T03:25:50.670Z | 33.3011667 | -115.7066667 | 5.012 | 3.41 | ci10111842 |
| 2009-03-26T03:25:21.980Z | 33.293 | -115.7215 | 7.422 | 3.95 | ci14435776 |
| 2009-03-25T19:59:44.100Z | 33.292 | -115.7196667 | 6.543 | 3.65 | ci14435296 |
| 2009-03-25T07:51:23.010Z | 33.29 | -115.7213333 | 4.443 | 3.55 | ci14434688 |
| 2009-03-24T23:43:15.160Z | 33.3068333 | -115.7438333 | 5.013 | 3.13 | ci14434264 |
| 2009-03-24T13:52:51.940Z | 33.3138333 | -115.7371667 | 4.223 | 3.06 | ci14433696 |
| 2009-03-24T11:55:43.930Z | 33.3171667 | -115.7281667 | 6.003 | 4.77 | ci14433456 |
| 2009-03-21T20:40:06.200Z | 33.3128333 | -115.7335 | 4.713 | 3.11 | ci14432576 |
| 2009-03-21T20:17:03.260Z | 33.3155 | -115.7323333 | 4.753 | 3.33 | ci14432496 |
| 2009-03-21T20:12:18.960Z | 33.3135 | -115.7295 | 4.763 | 3.07 | ci14432456 |
| 2009-03-21T11:24:46.040Z | 33.2521667 | -116.4385 | 2.403 | 3.3 | ci14432280 |
| 2009-03-13T03:42:22.160Z | 34.0163333 | -117.1973333 | 14.704 | 3.01 | ci14429152 |
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| 2009-01-09T04:47:40.290Z | 34.0976667 | -117.3056667 | 14.8 | 3.28 | ci10370177 |
| 2009-01-09T03:49:46.270Z | 34.1073333 | -117.3041667 | 13.823 | 4.45 | ci10370141 |
| 2008-12-10T09:40:20.150Z | 34.1431667 | -116.4296667 | 6.853 | 3.08 | ci10365305 |
| 2008-12-10T00:29:26.210Z | 34.1631667 | -117.3766667 | 7.202 | 3.63 | ci10365237 |
| 2008-11-23T19:39:41.810Z | 33.0843333 | -116.2311667 | 5.413 | 3.29 | ci14405040 |
| 2008-11-20T21:17:22.790Z | 34.0033333 | -116.9125 | 16.456 | 3.2 | ci14404564 |
| 2008-11-17T17:41:37.110Z | 33.4961667 | -116.8636667 | 10.407 | 3.79 | ci14403792 |
| 2008-11-17T12:35:42.260Z | 33.4996667 | -116.8613333 | 10.839 | 4.11 | ci14403732 |
| 2008-10-30T17:09:39.530Z | 33.5391667 | -116.5776667 | 11.735 | 3.16 | ci10357093 |
| 2008-10-30T06:49:38.370Z | 33.0641667 | -115.91 | 2.044 | 3.3 | ci10356925 |
| 2008-10-30T03:52:43.210Z | 33.0533333 | -115.9031667 | 1.957 | 3.5 | ci10356753 |
| 2008-10-30T03:49:45.370Z | 33.057 | -115.9046667 | 1.184 | 3.61 | ci10356741 |
| 2008-10-30T03:48:12.510Z | 33.0628333 | -115.9093333 | 1.426 | 3.04 | ci10356729 |
| 2008-10-30T03:27:38.080Z | 33.0663333 | -115.9121667 | 0.644 | 3.24 | ci10356685 |
| 2008-10-13T05:39:48.220Z | 33.9323333 | -116.7421667 | 13.037 | 3.39 | ci10353729 |
| 2008-10-11T19:33:59.330Z | 33.6713333 | -116.7136667 | 15.127 | 3 | ci10353485 |
| 2008-10-02T09:41:49.270Z | 34.0838333 | -116.9678333 | 11.345 | 4.14 | ci14396336 |
| 2008-09-04T08:42:03.740Z | 34.0051667 | -117.1186667 | 12.307 | 3.29 | ci10347025 |
| 2008-08-19T01:55:13.610Z | 33.6811667 | -116.8075 | 13.762 | 3.16 | ci14388184 |
| 2008-08-03T01:27:04.510Z | 34.0108333 | -117.2146667 | 10.024 | 3.01 | ci14385368 |
| 2008-07-21T20:21:00.550Z | 34.1151667 | -116.9053333 | 4.475 | 3.01 | ci14382496 |
| 2008-06-23T14:14:57.600Z | 34.0476667 | -117.2465 | 14.102 | 3.99 | ci14376612 |
| 2008-06-03T23:06:33.180Z | 33.6671667 | -116.732 | 14.902 | 3.04 | ci14372916 |
| 2008-06-02T05:13:16.140Z | 34.0218333 | -117.1433333 | 5.352 | 3.14 | ci14372008 |
| 2008-05-09T22:38:08.350Z | 33.4458333 | -116.4555 | 9.268 | 4.06 | ci14367532 |
| 2008-05-08T23:44:14.950Z | 34.0198333 | -117.1435 | 5.365 | 3.1 | ci14367240 |
| 2008-05-04T18:16:30.280Z | 33.214 | -116.725 | 8.196 | 3.64 | ci14366244 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
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| 2008-04-18T03:25:24.750Z | 33.7885 | -116.1095 | 0.064 | 3.16 | ci10318961 |
| 2008-04-15T01:00:07.930Z | 34.033 | -116.4425 | 2.199 | 3.39 | ci10318397 |
| 2008-03-06T00:14:26.930Z | 34.2981667 | -116.8575 | 12.129 | 3.66 | ci10310701 |
| 2008-02-25T22:59:01.670Z | 33.3406667 | -116.3995 | 11.996 | 3.02 | ci14352680 |
| 2007-12-19T12:14:09.630Z | 34.1561667 | -116.9813333 | 7.817 | 4.06 | ci10295849 |
| 2007-11-28T15:51:55.140Z | 34.4695 | -116.5081667 | 3.579 | 3.12 | ci14335316 |
| 2007-11-26T04:40:33.370Z | 33.1685 | -116.554 | 12.294 | 3.3 | ci14334860 |
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| 2007-09-25T22:38:23.960Z | 33.7371667 | -117.4705 | 9.268 | 3.94 | ci14325560 |
| 2007-09-12T14:21:40.500Z | 33.7333333 | -117.484 | 11.072 | 3.29 | ci10279441 |
| 2007-09-12T11:30:25.640Z | 33.7306667 | -117.4833333 | 10.602 | 3.79 | ci10279321 |
| 2007-09-05T15:16:47.810Z | 33.7345 | -117.4768333 | 4.092 | 3.5 | ci10276637 |
| 2007-09-02T17:29:14.790Z | 33.7321667 | -117.477 | 12.192 | 4.73 | ci10275733 |
| 2007-08-30T13:08:01.110Z | 34.6046667 | -116.2953333 | 3.093 | 3.43 | ci10274237 |
| 2007-08-29T04:13:48.600Z | 33.1051667 | -116.052 | 11.811 | 3.72 | ci10273353 |
| 2007-06-13T14:50:34.020Z | 33.6965 | -116.0416667 | 12.189 | 3.42 | ci14298068 |
| 2007-06-02T05:11:26.470Z | 33.8718333 | -116.2118333 | 4.233 | 4.26 | ci14295640 |
| 2007-05-17T16:05:50.400Z | 33.1858333 | -115.6083333 | 1.773 | 3.2 | ci12290011 |
| 2007-05-17T16:05:30.830Z | 33.1823333 | -115.6073333 | 3.426 | 3.24 | ci10247841 |
| 2007-04-30T05:23:52.580Z | 33.365 | -116.3861667 | 8.106 | 3.15 | ci14288180 |
| 2007-04-28T14:55:17.500Z | 33.0743333 | -116.499 | 10.705 | 3.56 | ci14287800 |
| 2007-04-28T08:04:56.950Z | 34.1148333 | -117.3173333 | 13.788 | 3.35 | ci14287736 |
| 2007-04-18T22:23:12.000Z | 33.448 | -116.5941667 | 10.01 | 3.56 | ci14285852 |
| 2007-03-02T12:10:48.090Z | 33.2236667 | -116.0186667 | 5.53 | 3.01 | ci14277544 |
| 2007-03-01T14:37:44.880Z | 33.2213333 | -116.0175 | 2.505 | 3.41 | ci14277376 |
| 2007-02-09T03:33:44.070Z | 33.2113333 | -116.148 | 11.881 | 4.29 | ci10230869 |
| 2007-01-19T19:17:08.630Z | 32.9853333 | -116.3131667 | 3.419 | 3.25 | ci10227393 |
| 2007-01-18T20:04:20.300Z | 32.9836667 | -116.307 | 4.139 | 3.12 | ci10227209 |
| 2007-01-17T16:07:47.800Z | 32.9816667 | -116.3163333 | 3.359 | 3.81 | ci10226877 |
| 2007-01-15T07:00:03.150Z | 33.706 | -116.0463333 | 13.516 | 3.09 | ci10226533 |
| 2006-12-27T21:36:19.780Z | 33.759 | -116.0808333 | 4.926 | 3.19 | ci10224265 |
| 2006-12-25T16:56:46.950Z | 33.701 | -116.0428333 | 12.638 | 3 | ci10224017 |
| 2006-12-24T03:43:38.860Z | 33.7068333 | -116.0508333 | 12.696 | 4.11 | ci10223765 |
| 2006-12-19T07:15:51.480Z | 34.3448333 | -116.753 | 1.001 | 3.06 | ci10223081 |
| 2006-12-11T08:17:35.200Z | 34.1713333 | -116.4528333 | 8.733 | 3.02 | ci10222165 |
| 2006-11-25T07:39:44.400Z | 34.3666667 | -116.1225 | 5.209 | 3.48 | ci14262712 |
| 2006-10-09T20:26:50.860Z | 33.261 | -116.0678333 | 8.997 | 4.01 | ci14255632 |
| 2006-10-05T19:54:09.530Z | 33.4433333 | -116.5983333 | 9.794 | 3.18 | ci14254944 |
| 2006-10-02T15:44:45.420Z | 34.3505 | -116.461 | 3.336 | 3.07 | ci14254376 |
| 2006-09-18T16:25:30.180Z | 34.5755 | -116.5421667 | 3.605 | 3.08 | ci10208641 |

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**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2006-09-18T01:33:56.440Z | 33.1848333 | -115.6118333 | 1.427 | 3.03 | ci10208533 |
| 2006-09-07T14:44:47.610Z | 33.9751667 | -117.078 | 13.965 | 3.12 | ci10206813 |
| 2006-09-06T22:18:01.510Z | 33.1758333 | -116.0436667 | 12.813 | 3.66 | ci10206665 |
| 2006-09-02T16:29:42.040Z | 33.9453333 | -116.368 | 8.367 | 3.62 | ci10205997 |
| 2006-08-28T10:25:51.300Z | 33.1851667 | -115.6096667 | 1.937 | 3.16 | ci14248808 |
| 2006-08-26T21:19:55.950Z | 34.29 | -116.9056667 | 5.014 | 3.48 | ci14248536 |
| 2006-08-24T18:51:28.770Z | 33.9803333 | -116.2718333 | 4.425 | 3.23 | ci14248144 |
| 2006-08-07T01:01:42.370Z | 33.243 | -116.0356667 | 9.182 | 3.68 | ci10200841 |
| 2006-08-02T16:03:02.350Z | 34.111 | -117.3155 | 15.68 | 3.31 | ci14244212 |
| 2006-08-01T09:16:22.740Z | 33.2488333 | -116.1283333 | 2.936 | 3 | ci14244008 |
| 2006-07-30T13:32:53.490Z | 33.6896667 | -116.795 | 14.032 | 3.16 | ci14243724 |
| 2006-07-23T15:58:52.450Z | 33.73 | -117.4778333 | 10.442 | 3.69 | ci14242516 |
| 2006-07-10T02:54:43.890Z | 33.856 | -117.1121667 | 10.953 | 3.9 | ci14239184 |
| 2006-06-30T15:20:52.640Z | 33.2486667 | -116.0278333 | 3.569 | 3.43 | ci14237056 |
| 2006-06-30T01:59:39.910Z | 33.2441667 | -116.0366667 | 2.479 | 3.03 | ci14236828 |
| 2006-06-30T00:30:00.600Z | 33.2438333 | -116.0335 | 4.099 | 3.07 | ci14236772 |
| 2006-06-30T00:28:06.560Z | 33.2406667 | -116.036 | 3.459 | 4.37 | ci14236768 |
| 2006-06-08T22:45:54.810Z | 33.9196667 | -116.7936667 | 17.605 | 3.87 | ci10187953 |
| 2006-06-03T13:56:20.530Z | 33.25 | -116.1228333 | 8.646 | 3.04 | ci10186597 |
| 2006-05-18T10:11:52.140Z | 34.0431667 | -117.0275 | 11.407 | 3.24 | ci10183685 |
| 2006-05-03T16:22:49.110Z | 33.5208333 | -116.5853333 | 11.349 | 3.1 | ci10181469 |
| 2006-03-24T05:54:13.010Z | 33.7866667 | -116.1785 | 9.288 | 3.66 | ci14218504 |
| 2006-03-23T23:48:57.280Z | 34.5805 | -116.2615 | 1.91 | 3.11 | ci14218424 |
| 2006-03-11T07:45:03.640Z | 34.2895 | -116.8281667 | 3.579 | 3.53 | ci14216544 |
| 2006-02-28T05:07:29.770Z | 33.7935 | -116.1823333 | 9.394 | 3.15 | ci14214824 |
| 2006-02-16T03:51:21.560Z | 34.3401667 | -116.8605 | 3.899 | 3.24 | ci14212760 |
| 2005-12-04T17:47:44.020Z | 33.6108333 | -117.2715 | 13.229 | 3.42 | ci14202036 |
| 2005-12-03T07:49:34.590Z | 34.329 | -116.8331667 | 3.672 | 4.17 | ci14201764 |
| 2005-11-25T15:40:34.860Z | 34.5963333 | -116.355 | 1.863 | 3.05 | ci14200284 |
| 2005-11-14T22:00:15.490Z | 32.9766667 | -116.3173333 | 9.156 | 3.4 | ci14198024 |
| 2005-11-08T22:03:46.220Z | 33.5275 | -116.6856667 | 11.705 | 3.36 | ci14197132 |
| 2005-10-18T07:31:03.470Z | 34.0121667 | -116.7755 | 17.785 | 4.42 | ci10148421 |
| 2005-10-18T04:08:41.520Z | 34.0141667 | -116.7753333 | 15.676 | 4.1 | ci10148369 |
| 2005-10-01T01:22:10.520Z | 34.0175 | -117.1641667 | 11.074 | 3.04 | ci14189148 |
| 2005-09-11T06:07:27.560Z | 33.1733333 | -116.0441667 | 0.084 | 3.77 | ci14183744 |
| 2005-09-05T23:49:37.090Z | 33.1711667 | -115.6241667 | 4.702 | 3.17 | ci14181936 |
| 2005-09-05T08:53:53.550Z | 33.1761667 | -115.6213333 | 6.067 | 3.83 | ci14181756 |
| 2005-09-03T11:17:24.910Z | 33.1783333 | -115.6203333 | 4.497 | 3.1 | ci14181128 |
| 2005-09-02T06:44:28.020Z | 33.1763333 | -115.6173333 | 4.757 | 3.44 | ci14180324 |
| 2005-09-02T03:55:38.310Z | 33.1598333 | -115.6478333 | 8.714 | 3.11 | ci12217107 |
| 2005-09-02T03:54:52.970Z | 33.1505 | -115.6623333 | 7.283 | 3.37 | ci14180072 |
| 2005-09-02T03:51:16.460Z | 33.1513333 | -115.6503333 | 5.236 | 3.05 | ci14180064 |
| 2005-09-02T03:50:18.230Z | 33.1553333 | -115.6536667 | 5.162 | 3.16 | ci14180060 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2005-09-02T03:46:48.800Z | 33.1511667 | -115.6578333 | 6.026 | 3.23 | ci14180052 |
| 2005-09-02T02:46:35.500Z | 33.154 | -115.647 | 4.866 | 3.76 | ci14179924 |
| 2005-09-02T01:30:32.190Z | 33.1588333 | -115.663 | 4.567 | 3.41 | ci14179740 |
| 2005-09-02T01:27:19.590Z | 33.1533333 | -115.6463333 | 1.207 | 5.08 | ci14179736 |
| 2005-09-02T01:27:18.610Z | 33.1748333 | -115.6311667 | 4.977 | 4.5 | ci12217067 |
| 2005-09-02T01:23:43.810Z | 33.1738333 | -115.6226667 | 4.038 | 3.03 | ci14179728 |
| 2005-09-01T15:22:45.900Z | 33.177 | -115.6146667 | 11.188 | 3.03 | ci14179380 |
| 2005-09-01T14:06:31.800Z | 33.1976667 | -115.6031667 | 3.182 | 3.29 | ci14179300 |
| 2005-09-01T13:50:20.190Z | 33.1783333 | -115.6328333 | 0.004 | 4.48 | ci14179292 |
| 2005-09-01T13:50:09.270Z | 33.1693333 | -115.6311667 | 4.263 | 3.65 | ci12216915 |
| 2005-09-01T13:48:25.030Z | 33.1705 | -115.6213333 | 4.443 | 3.68 | ci14179288 |
| 2005-09-01T04:29:22.050Z | 33.1831667 | -115.6133333 | 4.74 | 3.01 | ci14178764 |
| 2005-09-01T04:15:22.130Z | 33.1763333 | -115.615 | 7.758 | 3.2 | ci14178728 |
| 2005-08-31T23:33:38.850Z | 33.2006667 | -115.606 | 3.807 | 3.79 | ci12217251 |
| 2005-08-31T23:32:11.040Z | 33.1896667 | -115.603 | 4.267 | 4.57 | ci14178248 |
| 2005-08-31T23:07:16.450Z | 33.1758333 | -115.618 | 4.622 | 4.2 | ci14178212 |
| 2005-08-31T22:59:49.010Z | 33.168 | -115.6338333 | 4.953 | 3.11 | ci14178204 |
| 2005-08-31T22:47:45.530Z | 33.1663333 | -115.6351667 | 4.003 | 4.63 | ci14178184 |
| 2005-08-31T22:45:49.820Z | 33.172 | -115.6221667 | 4.337 | 3.62 | ci14178180 |
| 2005-08-31T22:17:14.020Z | 33.1701667 | -115.6211667 | 4.732 | 3.16 | ci14178156 |
| 2005-08-31T21:49:01.970Z | 33.1765 | -115.626 | 4.508 | 3.26 | ci14178132 |
| 2005-08-31T16:18:47.610Z | 33.1913333 | -115.6006667 | 2.438 | 3.38 | ci14177960 |
| 2005-08-31T15:35:37.470Z | 33.1885 | -115.6053333 | 4.558 | 3.76 | ci14177900 |
| 2005-08-29T07:41:40.060Z | 33.2096667 | -115.5811667 | 3.28 | 3.1 | ci14177380 |
| 2005-08-29T07:39:45.780Z | 33.2075 | -115.5918333 | 3.69 | 3.25 | ci14177376 |
| 2005-08-26T13:45:33.340Z | 33.1725 | -116.0386667 | 1.845 | 3.09 | ci14176860 |
| 2005-06-27T22:17:33.610Z | 34.0541667 | -117.0305 | 11.48 | 3.96 | ci14158696 |
| 2005-06-17T03:24:28.120Z | 33.4951667 | -116.5306667 | 11.525 | 3.34 | ci14155704 |
| 2005-06-16T20:54:49.470Z | 34.0486667 | -117.0076667 | 14.71 | 3.39 | ci14155264 |
| 2005-06-16T20:54:19.950Z | 34.0526667 | -117.0231667 | 16.251 | 3.65 | ci12196991 |
| 2005-06-16T20:53:26.020Z | 34.058 | -117.0113333 | 10.558 | 4.88 | ci14155260 |
| 2005-06-12T20:47:47.690Z | 33.5001667 | -116.571 | 11.425 | 3.05 | ci14152436 |
| 2005-06-12T15:41:46.520Z | 33.5325 | -116.5666667 | 13.051 | 5.2 | ci14151344 |
| 2005-06-09T23:02:07.320Z | 33.498 | -116.5246667 | 13.082 | 3.07 | ci14150888 |
| 2005-05-21T00:39:32.690Z | 33.2235 | -116.2048333 | 14.864 | 4.06 | ci14146956 |
| 2005-05-15T13:29:56.340Z | 33.4581667 | -116.6278333 | 6.23 | 3.17 | ci10099817 |
| 2005-04-23T02:19:07.440Z | 34.1103333 | -117.307 | 14.28 | 3.35 | ci10093909 |
| 2005-03-22T08:55:05.580Z | 33.28 | -116.2595 | 4.258 | 3.7 | ci14133048 |
| 2005-03-13T23:43:15.300Z | 33.3021667 | -116.8513333 | 12.459 | 3.45 | ci14131672 |
| 2005-01-12T08:10:46.380Z | 33.9526667 | -116.3953333 | 7.107 | 4.26 | ci14118096 |
| 2004-12-12T05:05:52.870Z | 34.1501667 | -116.9816667 | 9.86 | 3.71 | ci10066389 |
| 2004-11-13T17:39:16.930Z | 34.3535 | -116.8446667 | 8.029 | 4.19 | ci10059745 |
| 2004-10-27T21:41:17.000Z | 34.3435 | -116.918 | 3.469 | 3.79 | ci10056345 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2004-10-19T02:12:09.050Z | 33.5003333 | -116.5113333 | 13.033 | 3.23 | ci10054541 |
| 2004-10-03T00:32:16.040Z | 33.2326667 | -115.6996667 | 3.343 | 3.1 | ci14096876 |
| 2004-09-16T13:29:30.800Z | 34.1215 | -116.403 | 7.196 | 3.63 | ci14091288 |
| 2004-08-23T13:22:13.000Z | 34.6706667 | -116.3591667 | 1.923 | 3.16 | ci14086916 |
| 2004-07-15T12:20:54.010Z | 33.3515 | -116.3721667 | 12.108 | 3.03 | ci14074232 |
| 2004-07-14T00:53:52.480Z | 33.711 | -116.0556667 | 12.651 | 4.02 | ci14073800 |
| 2004-06-01T14:36:14.760Z | 34.2955 | -116.8776667 | 3.929 | 3.06 | ci10014793 |
| 2004-05-13T06:04:28.890Z | 33.6463333 | -116.735 | 14.851 | 3.05 | ci10008241 |
| 2004-04-15T02:28:08.620Z | 33.9428333 | -116.9941667 | 15.756 | 3.35 | ci10000605 |
| 2004-04-08T15:46:21.930Z | 33.1008333 | -115.8656667 | 11.84 | 3.2 | ci9998037 |
| 2004-04-05T20:38:06.550Z | 33.4245 | -116.9738333 | 9.976 | 3.42 | ci9996961 |
| 2004-04-05T14:25:28.910Z | 34.0501667 | -117.2613333 | 12.042 | 3.29 | ci9997137 |
| 2004-03-26T17:10:17.150Z | 33.2231667 | -116.0808333 | 13.756 | 3.16 | ci9994217 |
| 2004-03-20T04:55:37.410Z | 33.5128333 | -116.5768333 | 13.376 | 3.1 | ci9992737 |
| 2004-03-19T01:09:23.010Z | 34.3083333 | -116.933 | 8.509 | 3.49 | ci14039128 |
| 2004-02-27T07:37:18.440Z | 34.057 | -117.2583333 | 10.202 | 3.08 | ci9986677 |
| 2004-02-25T22:23:01.920Z | 33.8163333 | -117.043 | 14.365 | 3.58 | ci9986489 |
| 2003-12-06T13:50:28.350Z | 34.0968333 | -117.308 | 16.689 | 3.39 | ci14008004 |
| 2003-11-27T14:38:17.000Z | 33.8003333 | -116.1831667 | 5.155 | 3.47 | ci14006256 |
| 2003-11-23T03:06:23.380Z | 33.6943333 | -116.0353333 | 12.285 | 3.09 | ci14005408 |
| 2003-11-13T05:17:56.980Z | 33.3623333 | -116.4078333 | 12.348 | 3.31 | ci14003372 |
| 2003-11-12T20:23:09.560Z | 33.9033333 | -116.9011667 | 12.759 | 3.26 | ci14003288 |
| 2003-10-24T10:11:05.000Z | 33.0591667 | -115.9086667 | 2.937 | 3.14 | ci13999244 |
| 2003-10-15T04:18:39.570Z | 34.0355 | -116.3968333 | 11.242 | 3.36 | ci13997524 |
| 2003-10-10T02:27:35.880Z | 34.2268333 | -116.4498333 | 0.653 | 3.52 | ci9950169 |
| 2003-10-09T07:33:55.430Z | 33.4098333 | -116.4033333 | 11.112 | 3.06 | ci9949961 |
| 2003-09-14T02:32:30.580Z | 33.7601667 | -116.0281667 | 5.087 | 3.05 | ci9944785 |
| 2003-09-10T15:27:40.240Z | 33.3165 | -116.3601667 | 13.655 | 3.12 | ci9944001 |
| 2003-08-01T19:06:49.480Z | 33.3125 | -115.7303333 | 7.373 | 3.04 | ci9935153 |
| 2003-07-15T06:15:50.750Z | 34.6216667 | -116.6671667 | 6.475 | 4.15 | ci9930549 |
| 2003-06-13T07:52:47.330Z | 34.305 | -116.8348333 | 5.679 | 3.15 | ci13971180 |
| 2003-05-14T22:47:18.460Z | 33.7491667 | -116.0235 | 7.743 | 3.87 | ci9915709 |
| 2003-04-29T02:38:40.550Z | 33.1156667 | -116.0736667 | 12.631 | 3.34 | ci13959680 |
| 2003-04-19T23:50:24.580Z | 33.7948333 | -116.0881667 | 8.067 | 3.17 | ci9909097 |
| 2003-04-10T23:03:15.560Z | 34.3103333 | -116.8511667 | 4.159 | 3.28 | ci9906629 |
| 2003-03-15T10:01:47.620Z | 34.3056667 | -116.8428333 | 1.979 | 3.59 | ci13947424 |
| 2003-03-11T19:31:31.550Z | 34.367 | -116.132 | 2.479 | 3.4 | ci13945912 |
| 2003-03-11T19:28:17.910Z | 34.3591667 | -116.1331667 | 3.069 | 4.64 | ci13945908 |
| 2003-03-02T17:59:02.410Z | 34.3258333 | -116.8615 | 0.148 | 3.01 | ci13941840 |
| 2003-02-27T05:00:21.700Z | 34.3043333 | -116.843 | 2.989 | 4.04 | ci13939856 |
| 2003-02-26T01:45:28.650Z | 34.331 | -116.8568333 | 1.424 | 3.63 | ci13939456 |
| 2003-02-25T04:03:04.800Z | 34.3155 | -116.8445 | 1.099 | 4.61 | ci13938812 |
| 2003-02-25T02:26:18.900Z | 34.3143333 | -116.8506667 | 3.599 | 3.03 | ci13938688 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2003-02-24T23:06:44.600Z | 33.4453333 | -116.4365 | 11.722 | 3.22 | ci13938592 |
| 2003-02-24T04:03:59.960Z | 34.3121667 | -116.8523333 | 4.549 | 3.27 | ci13938228 |
| 2003-02-24T02:42:08.360Z | 34.307 | -116.8325 | 2.039 | 3.02 | ci13938172 |
| 2003-02-23T20:28:13.590Z | 34.317 | -116.8418333 | 0.739 | 3.3 | ci13937696 |
| 2003-02-23T15:52:51.300Z | 34.3048333 | -116.8466667 | 4.249 | 3.44 | ci13937600 |
| 2003-02-23T09:24:23.410Z | 34.3126667 | -116.8503333 | 2.109 | 3.54 | ci13937492 |
| 2003-02-22T19:33:45.800Z | 34.3096667 | -116.8503333 | 1.409 | 4.5 | ci13936812 |
| 2003-02-22T17:50:13.320Z | 34.3198333 | -116.8506667 | 1.779 | 3.11 | ci13936736 |
| 2003-02-22T16:12:16.980Z | 34.3135 | -116.8491667 | 2.709 | 3.87 | ci13936596 |
| 2003-02-22T14:16:08.420Z | 34.3241667 | -116.858 | 2.549 | 4.1 | ci13936432 |
| 2003-02-22T12:53:52.680Z | 34.3063333 | -116.8405 | 2.969 | 3.47 | ci13936236 |
| 2003-02-22T12:48:43.930Z | 34.3165 | -116.856 | 0.549 | 3.08 | ci13936216 |
| 2003-02-22T12:33:37.870Z | 34.313 | -116.8505 | 3.864 | 3.15 | ci13936168 |
| 2003-02-22T12:28:36.500Z | 34.3098333 | -116.8483333 | 3.839 | 3.39 | ci13936152 |
| 2003-02-22T12:25:13.640Z | 34.326 | -116.8571667 | 8.087 | 4.01 | ci13936076 |
| 2003-02-22T12:25:00.320Z | 34.312 | -116.8501667 | 3.229 | 3.15 | ci13936072 |
| 2003-02-22T12:23:10.610Z | 34.3403333 | -116.8525 | -1.571 | 3.09 | ci13936004 |
| 2003-02-22T12:22:39.750Z | 34.3101667 | -116.8475 | 3.909 | 3.72 | ci13936000 |
| 2003-02-22T12:21:33.130Z | 34.3108333 | -116.8506667 | 2.769 | 4.34 | ci13935996 |
| 2003-02-22T12:20:15.640Z | 34.311 | -116.8473333 | 2.808 | 4 | ci13935992 |
| 2003-02-22T12:19:10.920Z | 34.312 | -116.8448333 | 5.589 | 4.99 | ci13935988 |
| 2003-02-01T17:26:52.430Z | 33.7451667 | -116.0208333 | 10.563 | 3.25 | ci13930844 |
| 2002-12-22T12:55:32.870Z | 33.8851667 | -116.2575 | 10.214 | 3.48 | ci9872497 |
| 2002-12-03T02:59:21.480Z | 33.9925 | -116.8643333 | 13.099 | 3.02 | ci13914868 |
| 2002-12-02T13:19:36.080Z | 33.3246667 | -115.6993333 | 4.093 | 3.29 | ci13914552 |
| 2002-12-01T17:49:17.780Z | 33.7848333 | -116.1151667 | 2.187 | 3.06 | ci13914388 |
| 2002-11-27T18:48:00.950Z | 34.3833333 | -116.4646667 | 1.859 | 3.37 | ci13913212 |
| 2002-11-03T06:58:42.330Z | 33.1658333 | -115.6416667 | 2.473 | 3.25 | ci9856273 |
| 2002-10-31T23:59:37.200Z | 33.5333333 | -116.9403333 | 5.205 | 3.07 | ci9855477 |
| 2002-10-24T17:18:32.910Z | 33.5056667 | -116.581 | 13.256 | 3.83 | ci9853417 |
| 2002-10-22T07:15:26.070Z | 34.3015 | -116.8838333 | 5.489 | 3.58 | ci9852637 |
| 2002-10-17T03:26:34.520Z | 33.4821667 | -116.4998333 | 13.368 | 3.09 | ci9851505 |
| 2002-09-29T17:46:08.660Z | 34.5771667 | -116.2656667 | 2.38 | 3.08 | ci9829565 |
| 2002-09-21T21:26:16.640Z | 33.2248333 | -116.1128333 | 14.436 | 4.31 | ci9826789 |
| 2002-09-17T15:00:05.170Z | 33.5031667 | -116.7786667 | 14.722 | 3.73 | ci13813696 |
| 2002-09-15T21:15:50.920Z | 34.0543333 | -116.3201667 | 9.547 | 3.31 | ci13813192 |
| 2002-07-31T08:31:47.980Z | 34.571 | -116.4411667 | 1.986 | 3.73 | ci9805021 |
| 2002-07-01T22:03:59.660Z | 34.1033333 | -116.651 | 8.77 | 3.33 | ci9796589 |
| 2002-05-21T19:43:08.310Z | 33.1583333 | -115.9771667 | 12.831 | 3.88 | ci13303428 |
| 2002-04-05T08:02:56.050Z | 34.524 | -116.2946667 | 4.548 | 4.39 | ci9775765 |
| 2002-03-30T13:50:51.710Z | 33.1946667 | -116.728 | 8.127 | 3.84 | ci9774569 |
| 2002-03-28T06:56:08.030Z | 33.3501667 | -115.752 | 5.133 | 3.03 | ci9774045 |
| 2002-03-27T13:23:08.560Z | 34.5251667 | -116.2913333 | 7.778 | 3 | ci9773785 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2002-03-23T12:27:32.700Z | 34.2668333 | -116.7743333 | 1.128 | 3.4 | ci9772973 |
| 2002-03-15T17:39:25.660Z | 34.5215 | -116.293 | 4.548 | 3.07 | ci12619436 |
| 2002-03-15T16:57:56.580Z | 34.5185 | -116.2913333 | 4.548 | 3.43 | ci12615428 |
| 2002-02-07T05:29:31.650Z | 34.1018333 | -116.7086667 | 5.883 | 3.38 | ci9758113 |
| 2002-02-04T04:39:10.160Z | 33.0466667 | -116.4401667 | 14.884 | 3.58 | ci12415448 |
| 2002-01-07T03:22:02.710Z | 34.462 | -116.4826667 | 2.689 | 3.15 | ci9745753 |
| 2002-01-02T12:11:28.680Z | 33.3793333 | -116.4345 | 11.224 | 4.21 | ci9742277 |
| 2002-01-01T21:23:57.560Z | 33.2645 | -116.1418333 | 5.495 | 3.03 | ci9742149 |
| 2001-12-11T21:40:35.420Z | 34.1078333 | -116.7233333 | 7.795 | 3.62 | ci9734033 |
| 2001-12-07T20:47:49.670Z | 34.4095 | -116.4655 | 7.499 | 3.38 | ci9731517 |
| 2001-11-23T17:06:43.490Z | 34.6133333 | -116.2781667 | 4.531 | 3.23 | ci9724801 |
| 2001-11-21T18:34:03.450Z | 34.6735 | -116.2911667 | 4.931 | 3 | ci9724453 |
| 2001-11-13T21:00:40.020Z | 33.3116667 | -115.7056667 | 3.682 | 3.18 | ci9722669 |
| 2001-11-13T20:46:40.290Z | 33.3058333 | -115.7215 | 2.663 | 3.22 | ci9722637 |
| 2001-11-13T20:43:14.950Z | 33.3171667 | -115.7001667 | 5.55 | 4.11 | ci9722633 |
| 2001-11-13T18:57:07.840Z | 33.3073333 | -115.7113333 | 3.832 | 3.14 | ci9722577 |
| 2001-11-13T16:45:04.870Z | 33.311 | -115.7038333 | 3.65 | 3.44 | ci9722529 |
| 2001-11-13T16:08:37.230Z | 33.3176667 | -115.698 | 3.99 | 3.24 | ci9722489 |
| 2001-11-13T16:03:42.790Z | 33.3253333 | -115.6915 | 6.323 | 3.03 | ci9722481 |
| 2001-11-03T20:37:54.350Z | 34.1545 | -116.4336667 | 4.456 | 3.03 | ci9720229 |
| 2001-11-03T19:53:56.870Z | 34.1616667 | -116.4341667 | 8.533 | 3.27 | ci9720205 |
| 2001-10-31T07:56:16.630Z | 33.5083333 | -116.5143333 | 13.678 | 5.02 | ci9718013 |
| 2001-10-30T12:58:32.730Z | 34.3515 | -116.4715 | 8.286 | 3.44 | ci11743612 |
| 2001-10-17T05:53:58.270Z | 34.6355 | -116.2336667 | 1.271 | 3.47 | ci9714385 |
| 2001-10-12T16:08:40.460Z | 33.5013333 | -116.5205 | 11.058 | 3.06 | ci9713401 |
| 2001-09-29T06:51:05.790Z | 34.0483333 | -116.7703333 | 12.515 | 3.08 | ci9709553 |
| 2001-09-23T22:44:32.960Z | 33.5086667 | -116.5131667 | 13.558 | 3.01 | ci9708393 |
| 2001-09-10T17:40:08.590Z | 33.4518333 | -116.63 | 7.683 | 3.04 | ci9704437 |
| 2001-09-03T09:55:33.520Z | 33.3766667 | -116.4195 | 9.882 | 3.11 | ci9700593 |
| 2001-09-01T23:05:58.770Z | 33.3716667 | -116.4166667 | 8.242 | 3.49 | ci9700049 |
| 2001-08-28T21:30:12.220Z | 33.647 | -116.7418333 | 12.774 | 3.39 | ci9698857 |
| 2001-08-22T13:06:25.830Z | 34.5951667 | -116.2706667 | 4.7 | 3.12 | ci9697153 |
| 2001-08-20T07:34:23.140Z | 34.0435 | -117.2501667 | 15.304 | 3.05 | ci9696461 |
| 2001-08-20T01:26:31.770Z | 34.6363333 | -116.3145 | 4.549 | 3.22 | ci9696429 |
| 2001-07-22T08:13:58.030Z | 34.2875 | -116.9878333 | 6.488 | 3.02 | ci9682745 |
| 2001-07-16T03:21:39.570Z | 33.4618333 | -116.4168333 | 13.405 | 3.02 | ci9673237 |
| 2001-07-03T11:43:13.970Z | 34.2628333 | -116.7665 | 2.548 | 3.02 | ci9666909 |
| 2001-07-03T11:40:48.110Z | 34.2635 | -116.7641667 | 1.528 | 3.92 | ci9666905 |
| 2001-06-12T12:08:23.810Z | 33.6875 | -116.8163333 | 14.159 | 3.07 | ci9660205 |
| 2001-06-08T23:15:27.660Z | 34.5686667 | -116.2313333 | 6.077 | 3.12 | ci9659389 |
| 2001-06-05T09:38:46.080Z | 33.6776667 | -116.7603333 | 15.101 | 3.15 | ci9658681 |
| 2001-05-26T00:37:09.840Z | 33.9976667 | -116.5606667 | 11.368 | 3.09 | ci9655873 |
| 2001-05-23T19:10:34.500Z | 34.0238333 | -116.7571667 | 13.185 | 3.78 | ci9655209 |

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|---|---|---|---|---|---|
| 2001-04-25T01:13:42.790Z | 34.6478333 | -116.2796667 | 4.854 | 3.26 | ci9647549 |
| 2001-04-20T09:52:12.270Z | 33.7045 | -116.7761667 | 15.641 | 3.4 | ci9645945 |
| 2001-04-14T05:47:37.440Z | 33.201 | -115.5938333 | 2.505 | 3.03 | ci9644281 |
| 2001-04-13T11:54:51.370Z | 34.0478333 | -117.1061667 | 5.148 | 3.08 | ci9644105 |
| 2001-04-10T01:47:42.070Z | 34.5363333 | -116.2668333 | 4.493 | 3.17 | ci9643369 |
| 2001-04-05T20:28:32.380Z | 33.8715 | -117.0241667 | 12.297 | 3.16 | ci9642449 |
| 2001-04-02T10:19:52.560Z | 33.2403333 | -116.2553333 | 8.388 | 3.47 | ci9641857 |
| 2001-03-14T01:19:42.090Z | 34.6466667 | -116.2941667 | 4.406 | 3.19 | ci9634937 |
| 2001-03-05T19:00:34.970Z | 33.3748333 | -116.3093333 | 12.869 | 3.13 | ci9633361 |
| 2001-03-04T07:16:51.870Z | 34.0251667 | -117.0033333 | 10.521 | 3.18 | ci9633201 |
| 2001-02-20T10:36:47.850Z | 33.7085 | -116.7756667 | 15.161 | 3.06 | ci9630517 |
| 2001-02-19T17:21:19.060Z | 34.4868333 | -116.2583333 | 4.286 | 3 | ci9630405 |
| 2001-02-18T06:09:32.160Z | 33.6746667 | -116.8088333 | 15.549 | 3.29 | ci9630113 |
| 2001-02-14T19:25:03.790Z | 34.3006667 | -116.9361667 | 3.449 | 3.14 | ci9629261 |
| 2001-02-13T06:11:48.410Z | 34.2775 | -116.9425 | 4.679 | 3.56 | ci9628933 |
| 2001-02-13T03:04:35.640Z | 34.2886667 | -116.9418333 | 4.659 | 3.47 | ci9628901 |
| 2001-02-11T10:41:15.810Z | 34.2951667 | -116.9395 | 4.199 | 3.08 | ci9628369 |
| 2001-02-11T07:14:39.840Z | 34.2933333 | -116.9366667 | 3.669 | 3.19 | ci9628313 |
| 2001-02-11T00:39:15.970Z | 34.2875 | -116.9418333 | 6.611 | 4.22 | ci9627953 |
| 2001-02-10T23:34:15.830Z | 34.2838333 | -116.9466667 | 5.309 | 3.22 | ci9627873 |
| 2001-02-10T21:35:08.930Z | 34.302 | -116.9313333 | 4.881 | 3.03 | ci9627809 |
| 2001-02-10T21:05:05.780Z | 34.2895 | -116.9458333 | 7.611 | 4.66 | ci9627721 |
| 2001-02-10T17:50:22.380Z | 33.8151667 | -116.1463333 | 7.868 | 3.89 | ci9627557 |
| 2000-12-23T09:08:53.170Z | 34.0511667 | -117.2471667 | 15.211 | 3.28 | ci9171641 |
| 2000-12-11T18:04:27.920Z | 34.009 | -116.698 | 11.128 | 3.39 | ci9170603 |
| 2000-12-10T18:27:09.150Z | 34.09 | -116.425 | 6.866 | 3.18 | ci9170521 |
| 2000-12-02T08:28:07.470Z | 34.2656667 | -116.7773333 | 1.305 | 4.07 | ci9169867 |
| 2000-09-29T09:57:31.850Z | 33.2978333 | -116.2338333 | 12.068 | 3.32 | ci9164642 |
| 2000-09-24T18:34:40.640Z | 34.45 | -116.2593333 | 4.401 | 3.23 | ci9164126 |
| 2000-09-21T03:06:10.650Z | 34.5328333 | -116.28 | 1.01 | 3.06 | ci9163755 |
| 2000-08-19T01:01:43.360Z | 33.3016667 | -116.314 | 12.845 | 3.59 | ci9160677 |
| 2000-08-17T04:43:47.080Z | 34.366 | -116.454 | 1.597 | 3.07 | ci9160476 |
| 2000-06-30T09:41:00.620Z | 34.043 | -116.636 | 11.92 | 3.6 | ci9155952 |
| 2000-06-12T03:15:02.660Z | 34.683 | -116.357 | 6.294 | 3.9 | ci9153800 |
| 2000-05-21T06:27:37.360Z | 34.294 | -116.868 | 4.048 | 3.65 | ci9151375 |
| 2000-05-18T15:41:46.700Z | 34.671 | -116.309 | 1.984 | 3.16 | ci9151064 |
| 2000-05-16T20:45:53.670Z | 34.6825 | -116.3068333 | 3.271 | 3.42 | ci9150751 |
| 2000-05-10T23:28:53.730Z | 33.156 | -115.643 | 2.953 | 3.56 | ci3324245 |
| 2000-05-10T23:25:42.640Z | 33.16 | -115.638 | 4.065 | 3.89 | ci9150059 |
| 2000-04-26T05:39:05.200Z | 33.163 | -115.632 | 6.079 | 3.56 | ci9148580 |
| 2000-04-26T05:37:17.370Z | 33.169 | -115.634 | 4.385 | 3.34 | ci9148592 |
| 2000-04-25T18:36:07.880Z | 33.162 | -115.637 | 4.955 | 3.69 | ci9148510 |
| 2000-04-25T08:16:19.320Z | 34.651 | -116.299 | -0.016 | 3.09 | ci9148436 |

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|---|---|---|---|---|---|
| 2000-04-22T19:08:51.330Z | 34.579 | -116.257 | 4.61 | 3.37 | ci9148179 |
| 2000-04-22T10:25:05.870Z | 34.436 | -116.255 | 2.661 | 3.19 | ci9148135 |
| 2000-04-21T03:32:21.950Z | 34.339 | -116.738 | 1.928 | 3.26 | ci9148001 |
| 2000-04-07T15:24:29.700Z | 34.447 | -116.257 | 1.651 | 3.19 | ci9146458 |
| 2000-04-05T20:38:08.770Z | 34.502 | -116.285 | -1.052 | 3.24 | ci9146215 |
| 2000-04-03T18:59:54.590Z | 34.028 | -116.324 | 4.338 | 3.61 | ci9145960 |
| 2000-03-22T04:35:34.650Z | 34.344 | -116.465 | 5.596 | 3.16 | ci9143990 |
| 2000-03-10T15:56:44.180Z | 34.015 | -116.312 | 3.928 | 3.33 | ci9142412 |
| 2000-03-08T03:43:01.470Z | 34.543 | -116.308 | -0.532 | 3.09 | ci9142082 |
| 2000-03-07T10:35:39.870Z | 34.328 | -116.768 | 0.078 | 3.52 | ci9141994 |
| 2000-02-22T03:47:24.040Z | 34.0496667 | -117.254 | 16.141 | 3.18 | ci9140120 |
| 2000-02-21T19:35:39.560Z | 34.574 | -115.963 | 2.549 | 3.17 | ci9140087 |
| 2000-02-21T13:49:43.130Z | 34.05 | -117.2525 | 15.051 | 4.37 | ci9140050 |
| 2000-01-31T22:00:12.690Z | 34.364 | -116.134 | 4.036 | 3.48 | ci9137224 |
| 2000-01-28T11:29:47.780Z | 34.609 | -116.29 | 5.117 | 3.1 | ci3321994 |
| 2000-01-27T16:07:03.090Z | 34.3941667 | -116.4495 | 1.63 | 3.55 | ci9136577 |
| 2000-01-20T08:03:39.530Z | 34.295 | -116.765 | 1.478 | 3.35 | ci9135287 |
| 2000-01-15T17:16:54.650Z | 34.669 | -116.337 | 1.394 | 3.06 | ci9134378 |
| 2000-01-13T11:04:57.840Z | 34.43 | -116.194 | 1.686 | 3.4 | ci9133968 |
| 2000-01-13T10:07:14.840Z | 34.59 | -116.273 | 0.249 | 3.24 | ci9133957 |
| 2000-01-12T17:13:17.400Z | 34.665 | -116.334 | 5.039 | 3.13 | ci7172582 |
| 2000-01-03T21:59:31.780Z | 34.101 | -117.008 | 2.269 | 3.49 | ci9132433 |
| 2000-01-02T17:58:32.820Z | 34.309 | -116.072 | 0.801 | 3.14 | ci9132273 |
| 1999-12-31T17:43:20.030Z | 34.665 | -116.285 | 4.959 | 3.18 | ci9131911 |
| 1999-12-30T06:24:35.110Z | 34.11 | -117.33 | 17.895 | 3.29 | ci9131630 |
| 1999-12-29T18:12:44.150Z | 34.675 | -116.294 | 1.014 | 3.18 | ci9131501 |
| 1999-12-24T00:43:56.860Z | 34.654 | -116.292 | 2.894 | 3.24 | ci9130550 |
| 1999-12-23T14:30:54.380Z | 34.592 | -116.265 | 6.53 | 4.03 | ci9130422 |
| 1999-12-22T09:16:59.300Z | 34.618 | -116.25 | -0.89 | 3.16 | ci9130277 |
| 1999-12-22T09:11:00.630Z | 34.619 | -116.251 | -0.89 | 3.03 | ci9130273 |
| 1999-12-15T13:45:02.600Z | 34.608 | -116.282 | 2.029 | 3.02 | ci9129139 |
| 1999-12-15T06:52:05.480Z | 34.335 | -116.117 | 1.791 | 3.28 | ci3321650 |
| 1999-12-15T06:51:03.080Z | 34.333 | -116.113 | 1.991 | 3.27 | ci9129107 |
| 1999-12-15T06:29:48.130Z | 34.101 | -117.007 | 1.789 | 3.09 | ci9129102 |
| 1999-12-13T13:20:16.300Z | 34.1013333 | -117.0086667 | 2.021 | 3.81 | ci9128775 |
| 1999-12-13T05:47:38.090Z | 34.389 | -116.146 | 4.726 | 3.35 | ci9128729 |
| 1999-12-10T08:36:42.440Z | 34.589 | -116.3 | -1.051 | 3.15 | ci9128326 |
| 1999-12-08T22:45:26.760Z | 34.642 | -116.322 | 2.048 | 3.87 | ci9127950 |
| 1999-12-08T10:54:04.700Z | 34.0391667 | -117.2435 | 13.715 | 3.05 | ci3321780 |
| 1999-12-08T10:53:59.590Z | 34.043 | -117.247 | 13.974 | 3.11 | ci9127885 |
| 1999-12-03T22:41:04.100Z | 34.62 | -116.27 | 1.949 | 3.47 | ci9126975 |
| 1999-12-03T05:54:55.670Z | 34.662 | -116.34 | 1.194 | 3.09 | ci9126882 |
| 1999-11-28T02:37:28.280Z | 34.628 | -116.249 | 5.1 | 3.15 | ci9125758 |

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|---|---|---|---|---|---|
| 1999-11-27T18:38:05.850Z | 34.63 | -116.2345 | 1.54 | 3.02 | ci3324575 |
| 1999-11-27T18:36:46.270Z | 34.669 | -116.309 | 0.764 | 3.28 | ci9125672 |
| 1999-11-23T15:52:33.100Z | 34.41 | -116.191 | 7.006 | 3.03 | ci9124753 |
| 1999-11-21T22:15:38.330Z | 34.6193333 | -116.2488333 | -0.06 | 3.19 | ci7163776 |
| 1999-11-19T05:57:31.090Z | 34.543 | -116.305 | -0.172 | 3.63 | ci9123924 |
| 1999-11-16T05:52:41.040Z | 34.549 | -116.307 | 1.048 | 3 | ci3321450 |
| 1999-11-15T11:02:24.780Z | 34.42 | -116.183 | 4.856 | 3.04 | ci9122927 |
| 1999-11-14T19:05:25.120Z | 34.489 | -116.265 | 0.728 | 3.13 | ci9122756 |
| 1999-11-14T00:55:00.040Z | 34.437 | -116.254 | 7.981 | 3.18 | ci9122588 |
| 1999-11-13T14:19:49.430Z | 34.159 | -116.822 | 1.435 | 3.12 | ci9122477 |
| 1999-11-12T05:41:22.910Z | 34.0491667 | -117.2641667 | 12.94 | 3.22 | ci9122121 |
| 1999-11-11T01:15:40.290Z | 34.6495 | -116.2901667 | 4.464 | 3.15 | ci7161143 |
| 1999-11-11T00:39:18.390Z | 34.351 | -116.464 | 7.196 | 3.51 | ci9121805 |
| 1999-11-10T04:15:26.460Z | 34.524 | -116.287 | -0.192 | 3.36 | ci9121568 |
| 1999-11-08T16:31:19.900Z | 34.601 | -116.275 | -0.61 | 3.43 | ci9121111 |
| 1999-11-07T11:37:57.700Z | 34.6356667 | -116.3218333 | 1.764 | 3.1 | ci9120783 |
| 1999-11-07T09:20:52.410Z | 34.605 | -116.307 | -0.486 | 3.21 | ci9120780 |
| 1999-11-06T00:12:16.660Z | 34.504 | -116.252 | 1.247 | 3.08 | ci7159793 |
| 1999-11-05T18:02:57.520Z | 34.6168333 | -116.2908333 | 3.254 | 3.36 | ci9120287 |
| 1999-11-03T04:37:45.490Z | 34.685 | -116.375 | 0.344 | 3.21 | ci9119438 |
| 1999-11-03T00:32:46.870Z | 34.644 | -116.29 | 2.789 | 3.02 | ci7158805 |
| 1999-11-02T09:08:51.580Z | 34.682 | -116.304 | 0.154 | 3.44 | ci9119285 |
| 1999-11-01T20:19:10.670Z | 33.1593333 | -116.0195 | 5.533 | 3.51 | ci9119111 |
| 1999-11-01T19:11:55.300Z | 34.429 | -116.193 | 2.216 | 3 | ci9119106 |
| 1999-11-01T08:21:47.090Z | 34.553 | -116.263 | 0.79 | 3.27 | ci9118972 |
| 1999-11-01T02:00:28.580Z | 34.323 | -116.118 | -0.839 | 3.42 | ci9118869 |
| 1999-11-01T01:53:46.400Z | 34.305 | -116.851 | -1.336 | 3.15 | ci9118857 |
| 1999-10-31T18:59:25.880Z | 34.425 | -116.184 | 2.748 | 3.44 | ci9118682 |
| 1999-10-31T07:00:56.630Z | 34.581 | -116.265 | -0.563 | 3.23 | ci9118527 |
| 1999-10-29T20:57:46.910Z | 34.562 | -116.229 | 9.077 | 3.05 | ci9118062 |
| 1999-10-29T16:22:51.240Z | 34.566 | -116.258 | -0.123 | 3.52 | ci9117998 |
| 1999-10-29T16:05:59.600Z | 34.526 | -116.241 | 6.427 | 3.47 | ci9117989 |
| 1999-10-29T12:36:37.510Z | 34.522 | -116.273 | -0.533 | 4.31 | ci9117942 |
| 1999-10-28T22:36:15.200Z | 34.509 | -116.271 | 0.329 | 3.1 | ci9117730 |
| 1999-10-28T17:10:45.810Z | 34.537 | -116.287 | -0.913 | 3.37 | ci9117629 |
| 1999-10-28T16:39:20.380Z | 34.615 | -116.268 | -1.242 | 3.13 | ci9117615 |
| 1999-10-28T00:42:37.130Z | 34.678 | -116.362 | 1.522 | 3.18 | ci9117354 |
| 1999-10-27T22:35:38.910Z | 34.441 | -116.207 | -0.082 | 3.39 | ci9117315 |
| 1999-10-27T20:18:42.130Z | 34.53 | -116.279 | 6.047 | 3.08 | ci9117273 |
| 1999-10-27T19:47:06.260Z | 34.623 | -116.263 | -0.591 | 3.43 | ci9117255 |
| 1999-10-27T08:22:38.610Z | 34.617 | -116.242 | 1.579 | 3.28 | ci9117071 |
| 1999-10-27T03:46:26.760Z | 34.67 | -116.305 | 0.229 | 3.21 | ci9117009 |
| 1999-10-27T03:26:43.950Z | 34.555 | -116.264 | 0.567 | 3.05 | ci9116996 |

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|---|---|---|---|---|---|
| 1999-10-26T22:44:00.270Z | 34.649 | -116.293 | 2.129 | 3.06 | ci9116913 |
| 1999-10-26T04:29:02.590Z | 34.626 | -116.242 | -1.021 | 3.18 | ci9116574 |
| 1999-10-26T03:51:20.510Z | 34.521 | -116.271 | -0.474 | 3.29 | ci9116552 |
| 1999-10-25T20:02:34.000Z | 34.49 | -116.266 | 1.029 | 3.69 | ci9116365 |
| 1999-10-25T18:26:00.630Z | 34.617 | -116.243 | -0.764 | 4.63 | ci3321011 |
| 1999-10-25T18:24:45.780Z | 34.53 | -116.29 | -0.251 | 3.65 | ci9116355 |
| 1999-10-25T17:17:58.480Z | 34.645 | -116.316 | -1.111 | 3.16 | ci9116328 |
| 1999-10-25T07:20:46.230Z | 34.613 | -116.293 | -1.084 | 3.03 | ci9116171 |
| 1999-10-24T23:06:58.220Z | 34.681 | -116.321 | 1.539 | 3.12 | ci9116041 |
| 1999-10-24T18:00:29.930Z | 34.656 | -116.308 | 1.259 | 3.03 | ci9115929 |
| 1999-10-24T04:25:28.940Z | 34.367 | -116.194 | 0.858 | 3.36 | ci9115657 |
| 1999-10-24T02:21:59.620Z | 34.668 | -116.289 | 0.949 | 3.48 | ci9115626 |
| 1999-10-23T13:02:44.450Z | 34.436 | -116.261 | 4.42 | 3.09 | ci9115373 |
| 1999-10-23T12:16:25.100Z | 34.34 | -116.136 | 1.871 | 3.19 | ci3326001 |
| 1999-10-22T23:11:32.750Z | 34.663 | -116.284 | -0.702 | 3.06 | ci9115061 |
| 1999-10-22T22:14:32.200Z | 34.6549988 | -116.3388367 | 4.268 | 3.34 | ci9623368 |
| 1999-10-22T16:42:38.230Z | 34.582 | -116.259 | -1.216 | 3.28 | ci9114854 |
| 1999-10-22T15:07:06.290Z | 34.567 | -116.257 | -1.226 | 3.46 | ci9114796 |
| 1999-10-22T13:42:51.890Z | 34.412 | -116.193 | 1.634 | 3.36 | ci3321597 |
| 1999-10-22T12:40:52.530Z | 34.336 | -116.207 | 8.35 | 4.18 | ci9114763 |
| 1999-10-22T11:34:23.650Z | 34.597 | -116.266 | -1.169 | 3.79 | ci3324595 |
| 1999-10-22T03:49:33.490Z | 34.509 | -116.269 | -1.169 | 3.98 | ci9114563 |
| 1999-10-22T01:58:43.080Z | 34.564 | -116.262 | -1.226 | 3.95 | ci9114515 |
| 1999-10-22T01:17:44.250Z | 34.521 | -116.258 | -1.206 | 3.33 | ci9114503 |
| 1999-10-21T22:57:14.700Z | 34.3499985 | -116.4546661 | 6.004 | 3.02 | ci9619536 |
| 1999-10-21T14:59:11.900Z | 34.654 | -116.292 | 0.349 | 3.16 | ci9114252 |
| 1999-10-21T08:14:37.400Z | 34.682 | -116.306 | -0.806 | 3.23 | ci9114115 |
| 1999-10-21T05:47:38.870Z | 34.528 | -116.27 | -1.063 | 3.8 | ci9114042 |
| 1999-10-21T04:14:29.690Z | 34.644 | -116.304 | 0.284 | 3.12 | ci3324427 |
| 1999-10-21T02:04:05.500Z | 34.3683319 | -116.1920013 | -0.893 | 3.07 | ci9619012 |
| 1999-10-20T22:17:45.070Z | 34.538 | -116.294 | -1.211 | 3.29 | ci9113811 |
| 1999-10-20T19:47:23.890Z | 34.594 | -116.29 | 0.067 | 3.58 | ci9113752 |
| 1999-10-20T16:40:57.010Z | 34.67 | -116.358 | 1.954 | 4.12 | ci9113677 |
| 1999-10-20T14:21:16.510Z | 34.606 | -116.298 | -1.216 | 3.08 | ci9113622 |
| 1999-10-20T10:44:37.050Z | 34.51 | -116.326 | -0.111 | 3.2 | ci3320872 |
| 1999-10-20T08:32:44.100Z | 34.569 | -116.253 | -1.221 | 3.21 | ci3326713 |
| 1999-10-20T04:22:45.190Z | 34.603 | -116.284 | -1.211 | 3 | ci9113394 |
| 1999-10-20T02:42:39.090Z | 34.593 | -116.232 | -1.211 | 3.98 | ci3324589 |
| 1999-10-20T02:39:12.340Z | 34.596 | -116.232 | -1.211 | 3.56 | ci3324587 |
| 1999-10-20T02:26:44.370Z | 34.595 | -116.301 | -1.211 | 3.02 | ci9113342 |
| 1999-10-20T02:09:27.410Z | 34.668 | -116.354 | 1.892 | 3.39 | ci3326791 |
| 1999-10-20T02:05:24.220Z | 34.513 | -116.252 | 0.079 | 3.23 | ci9113336 |
| 1999-10-20T02:04:52.550Z | 34.495 | -116.21 | 5 | 3.2 | usp0009g98 |

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|---|---|---|---|---|---|
| 1999-10-20T01:51:31.820Z | 34.651 | -116.339 | -0.272 | 3.1 | ci9113294 |
| 1999-10-20T00:48:39.120Z | 34.603 | -116.281 | -1.211 | 3.55 | ci3326785 |
| 1999-10-20T00:08:16.540Z | 34.591 | -116.289 | -0.701 | 3.11 | ci9113213 |
| 1999-10-19T22:21:12.820Z | 34.483 | -116.265 | 0.069 | 3.48 | ci9113151 |
| 1999-10-19T20:48:43.180Z | 34.3086662 | -116.086998 | 4.563 | 3.09 | ci9606928 |
| 1999-10-19T20:11:51.870Z | 34.422 | -116.194 | 2.048 | 3.34 | ci7152609 |
| 1999-10-19T19:50:44.040Z | 34.613 | -116.239 | -1.211 | 3.15 | ci7152605 |
| 1999-10-19T10:39:18.890Z | 34.594 | -116.297 | -0.301 | 4.14 | ci3326751 |
| 1999-10-19T08:54:41.740Z | 34.504 | -116.25 | -1.211 | 3.22 | ci9112590 |
| 1999-10-19T08:40:35.910Z | 34.436 | -116.249 | 0.208 | 3.28 | ci9112567 |
| 1999-10-19T04:40:05.050Z | 34.659 | -116.284 | -1.221 | 3.02 | ci9112379 |
| 1999-10-19T03:32:31.130Z | 34.435 | -116.262 | -0.99 | 3.07 | ci9112335 |
| 1999-10-19T03:32:21.130Z | 34.483 | -116.264 | -0.273 | 3.19 | ci3323962 |
| 1999-10-19T02:38:52.850Z | 34.375 | -116.191 | -1.152 | 3.78 | ci9112308 |
| 1999-10-19T00:51:33.860Z | 34.368 | -116.137 | -0.047 | 3.09 | ci9112165 |
| 1999-10-19T00:00:48.160Z | 34.375 | -116.1968333 | -1.142 | 3.12 | ci9112136 |
| 1999-10-18T21:34:18.680Z | 34.2976685 | -116.9639969 | 5.897 | 3.35 | ci9590936 |
| 1999-10-18T21:34:15.420Z | 34.085 | -116.852 | 1.604 | 3.25 | ci9112030 |
| 1999-10-18T21:27:16.380Z | 34.664 | -116.29 | -0.056 | 3.34 | ci9112019 |
| 1999-10-18T17:17:38.540Z | 33.307 | -116.298 | 9.293 | 3.15 | ci9111807 |
| 1999-10-18T17:10:32.280Z | 34.453 | -116.286 | -1.219 | 3.39 | ci9111790 |
| 1999-10-18T16:44:50.360Z | 34.453 | -116.291 | -1.211 | 3.65 | ci9111770 |
| 1999-10-18T16:30:38.240Z | 34.318 | -116.071 | -1.027 | 3.02 | ci9111756 |
| 1999-10-18T16:05:11.620Z | 34.654 | -116.302 | 0.379 | 3.34 | ci9111745 |
| 1999-10-18T13:21:22.000Z | 34.325 | -116.671 | -1.366 | 3.27 | ci9111606 |
| 1999-10-18T12:23:02.860Z | 34.505 | -116.267 | -1.063 | 3.17 | ci9111563 |
| 1999-10-18T10:17:40.520Z | 34.563 | -116.257 | -1.063 | 3.66 | ci9111484 |
| 1999-10-18T08:30:31.420Z | 34.576 | -116.294 | -1.211 | 3.53 | ci7151403 |
| 1999-10-18T07:07:36.850Z | 34.509 | -116.26 | -0.671 | 3.53 | ci9111372 |
| 1999-10-18T06:58:28.130Z | 34.583 | -116.259 | -1.063 | 3.68 | ci9111366 |
| 1999-10-18T06:35:47.360Z | 34.3595 | -116.1493333 | -0.924 | 4.59 | ci9111353 |
| 1999-10-18T04:42:02.020Z | 34.424 | -116.243 | -1.162 | 3.05 | ci9111313 |
| 1999-10-18T04:33:31.850Z | 34.637 | -116.297 | 1.569 | 3.17 | ci9111302 |
| 1999-10-18T02:56:42.490Z | 34.668 | -116.276 | -1.073 | 3.73 | ci9111249 |
| 1999-10-18T00:47:48.410Z | 34.617 | -116.302 | 1.479 | 3.21 | ci3344738 |
| 1999-10-18T00:46:11.860Z | 34.336 | -116.997 | 8.628 | 3.08 | ci9111163 |
| 1999-10-17T23:54:46.290Z | 34.3636667 | -116.1443333 | -0.594 | 3.55 | ci9111114 |
| 1999-10-17T23:29:16.100Z | 34.49 | -116.269 | -1.172 | 3.22 | ci9111096 |
| 1999-10-17T22:56:20.400Z | 34.5453333 | -116.3066667 | 4.779 | 3.62 | ci3321280 |
| 1999-10-17T21:52:37.480Z | 34.674 | -116.343 | 2.058 | 3 | ci9110996 |
| 1999-10-17T20:43:15.300Z | 34.434 | -116.242 | -1.172 | 3.41 | ci9110952 |
| 1999-10-17T20:14:20.050Z | 34.471 | -116.229 | -1.169 | 3.21 | ci3320816 |
| 1999-10-17T20:14:05.470Z | 34.5063333 | -116.2768333 | 0.069 | 3.21 | ci9110889 |

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|---|---|---|---|---|---|
| 1999-10-17T20:10:22.090Z | 34.3426667 | -116.1203333 | -0.947 | 3.04 | ci9110876 |
| 1999-10-17T19:06:44.270Z | 34.5346667 | -116.3565 | -1.196 | 3.1 | ci3321412 |
| 1999-10-17T19:05:22.210Z | 34.6003333 | -116.2356667 | 4.527 | 3.28 | ci9110824 |
| 1999-10-17T18:02:56.240Z | 34.6661667 | -116.2948333 | 1.274 | 3.7 | ci3321054 |
| 1999-10-17T17:19:11.580Z | 34.521 | -116.307 | -1.221 | 3.44 | ci9110733 |
| 1999-10-17T16:39:11.160Z | 34.5715 | -116.264 | -1.063 | 3.01 | ci9110683 |
| 1999-10-17T16:32:53.260Z | 34.362 | -116.138 | -1.139 | 4.18 | ci3320801 |
| 1999-10-17T16:32:40.670Z | 34.3625 | -116.1448333 | -0.634 | 4.09 | ci9110704 |
| 1999-10-17T16:24:07.030Z | 34.4088333 | -116.1981667 | 0.857 | 3.04 | ci3324137 |
| 1999-10-17T16:22:48.200Z | 34.3533333 | -116.1425 | -0.744 | 4.23 | ci9110685 |
| 1999-10-17T15:50:36.260Z | 34.345 | -116.137 | -0.457 | 3.6 | ci9110665 |
| 1999-10-17T15:23:54.100Z | 34.4581667 | -116.2436667 | -0.229 | 3.03 | ci9110653 |
| 1999-10-17T14:59:10.570Z | 34.5425 | -116.2898333 | 4.927 | 3.37 | ci9110631 |
| 1999-10-17T14:21:17.470Z | 34.0805 | -116.8568333 | 2.156 | 3.11 | ci3321015 |
| 1999-10-17T14:15:51.180Z | 34.648 | -116.285 | 0.454 | 3.82 | ci3321014 |
| 1999-10-17T12:13:58.140Z | 34.478 | -116.254 | -1.063 | 3.48 | ci9110439 |
| 1999-10-17T10:43:50.930Z | 34.627 | -116.308 | -0.671 | 3.2 | ci9110377 |
| 1999-10-17T10:41:45.690Z | 34.664 | -116.297 | 2.294 | 3.87 | ci9110390 |
| 1999-10-17T10:37:45.260Z | 34.315 | -116.124 | -0.384 | 3.03 | ci9110381 |
| 1999-10-17T10:37:39.420Z | 34.31 | -116.124 | 1.011 | 3.27 | ci3323954 |
| 1999-10-17T10:06:42.550Z | 34.422 | -116.207 | -1.162 | 3.04 | ci9110357 |
| 1999-10-17T09:45:57.030Z | 34.612 | -116.318 | -1.211 | 3.54 | ci9110340 |
| 1999-10-17T09:43:36.050Z | 34.614 | -116.321 | -1.221 | 3.17 | ci9110331 |
| 1999-10-17T09:09:24.900Z | 34.426 | -116.181 | 1.187 | 3.05 | ci9110310 |
| 1999-10-17T09:04:09.640Z | 34.614 | -116.287 | 4.927 | 3.13 | ci9110313 |
| 1999-10-17T08:44:54.050Z | 34.592 | -116.276 | -1.211 | 3.21 | ci9110296 |
| 1999-10-17T08:22:11.480Z | 34.557 | -116.258 | -1.063 | 3.77 | ci9110281 |
| 1999-10-17T07:50:22.740Z | 34.667 | -116.294 | -0.316 | 3.33 | ci9110259 |
| 1999-10-17T07:15:32.520Z | 34.629 | -116.312 | -1.221 | 3.2 | ci9110201 |
| 1999-10-17T07:09:43.080Z | 34.564 | -116.264 | -0.599 | 3.15 | ci9110211 |
| 1999-10-17T07:03:12.990Z | 34.544 | -116.311 | -1.211 | 3.18 | ci9110188 |
| 1999-10-17T05:12:22.490Z | 34.501 | -116.263 | -1.211 | 3.06 | ci9110139 |
| 1999-10-17T05:03:11.710Z | 34.661 | -116.284 | -0.841 | 3.13 | ci9110122 |
| 1999-10-17T04:58:15.850Z | 34.607 | -116.289 | -1.211 | 3.59 | ci9110126 |
| 1999-10-17T04:53:32.530Z | 33.22 | -115.622 | 3.138 | 3.2 | ci9110111 |
| 1999-10-17T04:45:24.380Z | 34.504 | -116.281 | -1.063 | 3.43 | ci9110113 |
| 1999-10-17T04:35:22.560Z | 34.678 | -116.36 | 2.014 | 3.26 | ci9110103 |
| 1999-10-17T04:34:25.870Z | 34.463 | -116.248 | -1.209 | 3.28 | ci9110097 |
| 1999-10-17T04:21:59.810Z | 34.627 | -116.224 | -1.221 | 3.02 | ci9110081 |
| 1999-10-17T04:02:35.070Z | 34.601 | -116.268 | -1.043 | 3.01 | ci9110062 |
| 1999-10-17T03:59:10.980Z | 34.405 | -116.171 | -1.172 | 3.34 | ci9110056 |
| 1999-10-17T02:28:57.320Z | 34.537 | -116.256 | -1.211 | 3.3 | ci9109846 |
| 1999-10-17T02:09:43.410Z | 34.362 | -116.143 | -0.417 | 3.36 | ci3321043 |

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|---|---|---|---|---|---|
| 1999-10-17T01:57:13.890Z | 34.522 | -116.286 | -1.053 | 3.73 | ci9109799 |
| 1999-10-17T01:50:35.830Z | 34.673 | -116.294 | 0.874 | 3.16 | ci3323952 |
| 1999-10-17T01:49:39.830Z | 34.423 | -116.183 | -0.99 | 3.13 | ci9109793 |
| 1999-10-17T01:47:49.000Z | 34.67 | -116.293 | 1.699 | 3.01 | ci9109776 |
| 1999-10-17T00:47:25.310Z | 34.612 | -116.235 | 4.927 | 3.41 | ci9109763 |
| 1999-10-17T00:44:52.020Z | 34.607 | -116.293 | -1.219 | 3.22 | ci9109958 |
| 1999-10-17T00:36:17.540Z | 34.294 | -116.058 | -1.027 | 3.41 | ci9109752 |
| 1999-10-17T00:27:48.550Z | 34.488 | -116.242 | -0.233 | 3.54 | ci9109705 |
| 1999-10-16T23:52:10.010Z | 34.6676667 | -116.3183333 | 2.892 | 3.15 | ci3323951 |
| 1999-10-16T23:49:33.510Z | 34.542 | -116.305 | -1.221 | 3.06 | ci9109676 |
| 1999-10-16T22:54:08.220Z | 34.658 | -116.334 | -0.167 | 3.97 | ci3321581 |
| 1999-10-16T22:25:28.220Z | 34.452 | -116.251 | -0.942 | 3.22 | ci3320791 |
| 1999-10-16T22:20:28.480Z | 34.629 | -116.328 | -1.211 | 3 | ci9109573 |
| 1999-10-16T22:13:14.480Z | 34.566 | -116.253 | -1.064 | 3.04 | ci9109595 |
| 1999-10-16T21:53:57.530Z | 34.4281667 | -116.2015 | -1.152 | 3.25 | ci9109904 |
| 1999-10-16T21:10:50.520Z | 34.6698333 | -116.3416667 | 1.654 | 3.94 | ci9109496 |
| 1999-10-16T20:22:30.280Z | 34.606 | -116.308 | -1.211 | 3.49 | ci9109465 |
| 1999-10-16T20:18:58.840Z | 34.5793333 | -116.2713333 | -1.221 | 3.14 | ci9109421 |
| 1999-10-16T20:15:54.290Z | 34.5188333 | -116.1588333 | 4.668 | 3.15 | ci9109402 |
| 1999-10-16T20:08:07.440Z | 34.506 | -116.285 | -0.562 | 3.12 | ci9109429 |
| 1999-10-16T20:07:28.690Z | 34.586 | -116.303 | -1.156 | 3 | ci3325088 |
| 1999-10-16T19:48:15.300Z | 34.4858333 | -116.2656667 | -1.172 | 3 | ci3325082 |
| 1999-10-16T19:39:55.440Z | 34.674 | -116.303 | -0.966 | 3.47 | ci9109876 |
| 1999-10-16T19:25:38.190Z | 34.372 | -116.148 | -0.952 | 3.15 | ci9109361 |
| 1999-10-16T19:25:01.350Z | 34.669 | -116.283 | -1.221 | 3.1 | ci9109871 |
| 1999-10-16T19:15:09.280Z | 34.607 | -116.28 | -1.063 | 3.67 | ci9109342 |
| 1999-10-16T18:18:39.360Z | 34.659 | -116.298 | 4.289 | 3.06 | ci9109284 |
| 1999-10-16T18:13:07.760Z | 34.589 | -116.275 | -1.221 | 3.37 | ci9109281 |
| 1999-10-16T18:05:22.720Z | 34.568 | -116.265 | -1.221 | 3.73 | ci9109267 |
| 1999-10-16T18:01:51.730Z | 34.681 | -116.304 | 1.891 | 3 | ci3321272 |
| 1999-10-16T17:55:16.500Z | 34.532 | -116.245 | -0.271 | 3.1 | ci9109260 |
| 1999-10-16T17:48:31.360Z | 33.268 | -115.717 | 0.768 | 3.53 | ci9109243 |
| 1999-10-16T17:46:42.250Z | 34.4755 | -116.263 | -1.183 | 3.2 | ci3325061 |
| 1999-10-16T17:46:34.120Z | 34.435 | -116.216 | -1.172 | 3 | ci3325062 |
| 1999-10-16T17:38:48.650Z | 34.43 | -116.252 | -1.162 | 4.58 | ci9109254 |
| 1999-10-16T17:37:04.980Z | 33.215 | -115.646 | 2.179 | 3.09 | ci9109258 |
| 1999-10-16T17:22:21.560Z | 34.554 | -116.25 | -1.211 | 3.27 | ci9109169 |
| 1999-10-16T17:21:55.130Z | 34.605 | -116.251 | -1.211 | 3.28 | ci9109230 |
| 1999-10-16T17:21:01.110Z | 34.476 | -116.264 | -1.221 | 3.26 | ci9112279 |
| 1999-10-16T17:20:20.740Z | 34.6811667 | -116.3615 | 1.274 | 3.2 | ci9109232 |
| 1999-10-16T17:02:46.050Z | 34.647 | -116.347 | -1.374 | 3.4 | ci9109162 |
| 1999-10-16T17:02:22.760Z | 34.604 | -116.236 | -1.162 | 3.2 | ci3322145 |
| 1999-10-16T16:58:08.090Z | 34.49 | -116.27 | -1.221 | 3 | ci3321266 |

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|---|---|---|---|---|---|
| 1999-10-16T16:57:29.590Z | 34.576 | -116.271 | -0.591 | 3.3 | ci3321259 |
| 1999-10-16T16:56:28.450Z | 34.5905 | -116.3001667 | -0.414 | 3 | ci3321265 |
| 1999-10-16T16:55:58.580Z | 33.788 | -116.117 | 10.087 | 3.6 | ci3321258 |
| 1999-10-16T16:54:30.880Z | 34.613 | -116.442 | -1.379 | 3.28 | ci3321260 |
| 1999-10-16T16:50:10.100Z | 34.6783333 | -116.2905 | 4.379 | 3.2 | ci3321257 |
| 1999-10-16T16:38:59.860Z | 34.567 | -116.256 | -1.211 | 3.17 | ci9109154 |
| 1999-10-16T16:31:30.540Z | 34.6663333 | -116.303 | 0.439 | 3.56 | ci7149405 |
| 1999-10-16T16:25:06.990Z | 34.512 | -116.258 | 4.779 | 3.15 | ci3320777 |
| 1999-10-16T16:24:00.280Z | 34.602 | -116.293 | 4.779 | 3.39 | ci3320776 |
| 1999-10-16T16:22:57.970Z | 34.678 | -116.301 | -1.221 | 3.83 | ci7149398 |
| 1999-10-16T16:12:08.610Z | 34.521 | -116.268 | -1.211 | 3.61 | ci9109141 |
| 1999-10-16T16:08:24.570Z | 34.68 | -116.309 | -0.391 | 4.03 | ci9109131 |
| 1999-10-16T16:05:00.870Z | 34.425 | -116.209 | -1.162 | 3.19 | ci3325059 |
| 1999-10-16T16:00:32.590Z | 34.602 | -116.292 | 4.626 | 3.26 | ci9109120 |
| 1999-10-16T15:53:04.600Z | 34.6625 | -116.2958333 | 0.139 | 3.07 | ci9109114 |
| 1999-10-16T15:42:29.270Z | 34.51 | -116.246 | -1.152 | 3.12 | ci9112208 |
| 1999-10-16T15:41:40.660Z | 34.583 | -116.276 | -0.281 | 3.36 | ci9109103 |
| 1999-10-16T15:38:33.420Z | 34.3701667 | -116.1588333 | 3.868 | 3.74 | ci9109099 |
| 1999-10-16T15:31:45.860Z | 34.619 | -116.2995 | -1.221 | 3.51 | ci9109085 |
| 1999-10-16T15:27:10.480Z | 34.487 | -116.25 | 0.088 | 3.09 | ci9109057 |
| 1999-10-16T15:23:50.990Z | 34.383 | -116.474 | 0.076 | 3 | ci9109055 |
| 1999-10-16T15:21:11.570Z | 34.417 | -116.24 | 0.258 | 3.09 | ci9109051 |
| 1999-10-16T15:18:54.200Z | 34.4765 | -116.2541667 | -1.191 | 3.2 | ci9109036 |
| 1999-10-16T15:11:43.710Z | 34.603 | -116.306 | -1.211 | 3.3 | ci9109027 |
| 1999-10-16T14:53:45.260Z | 34.6645 | -116.3631667 | 2.138 | 3.18 | ci9112184 |
| 1999-10-16T14:52:35.030Z | 34.495 | -116.258 | -1.162 | 3.74 | ci9109043 |
| 1999-10-16T14:48:44.540Z | 34.5286667 | -116.2655 | 4.779 | 3.15 | ci9109002 |
| 1999-10-16T14:44:24.300Z | 34.585 | -116.299 | -1.374 | 3.49 | ci9109000 |
| 1999-10-16T14:43:44.230Z | 34.452 | -116.233 | -0.802 | 3.65 | ci9112176 |
| 1999-10-16T14:43:11.070Z | 34.461 | -116.215 | 0.564 | 3.15 | ci9109030 |
| 1999-10-16T14:31:52.760Z | 34.4761667 | -116.2705 | 4.828 | 3.06 | ci9108995 |
| 1999-10-16T14:24:26.540Z | 34.6500015 | -116.2949982 | 5.844 | 3.05 | ci9578928 |
| 1999-10-16T14:17:10.900Z | 34.4878333 | -116.2566667 | -1.172 | 3.06 | ci9108969 |
| 1999-10-16T14:07:05.400Z | 34.3713333 | -116.1371667 | -0.322 | 3.4 | ci3322136 |
| 1999-10-16T14:06:34.450Z | 34.5718333 | -116.244 | 1.589 | 3.46 | ci9108962 |
| 1999-10-16T14:01:56.760Z | 33.7941667 | -116.121 | 5.022 | 3.13 | ci9108953 |
| 1999-10-16T13:55:23.560Z | 33.274 | -115.7166667 | 4.402 | 3.52 | ci9520938 |
| 1999-10-16T13:51:17.620Z | 34.4505 | -116.233 | -1.172 | 4.24 | ci9108964 |
| 1999-10-16T13:50:33.790Z | 34.5513344 | -116.3366699 | 4.307 | 3.5 | ci9578860 |
| 1999-10-16T13:47:05.160Z | 34.5558319 | -116.2874985 | 4.421 | 3.09 | ci9578856 |
| 1999-10-16T13:42:50.080Z | 33.7963333 | -116.1215 | 8.741 | 3.55 | ci9108920 |
| 1999-10-16T13:37:02.270Z | 33.8018333 | -116.1186667 | 12.982 | 3.25 | ci9108916 |
| 1999-10-16T13:34:56.540Z | 34.6 | -116.301 | -1.211 | 3.65 | ci9108915 |

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|---|---|---|---|---|---|
| 1999-10-16T13:32:20.930Z | 34.4276667 | -116.214 | -1.172 | 3.62 | ci9108902 |
| 1999-10-16T13:26:11.780Z | 34.519 | -116.267 | -1.162 | 3.01 | ci9108897 |
| 1999-10-16T13:25:01.560Z | 34.658 | -116.292 | 4.748 | 3 | ci3325055 |
| 1999-10-16T13:23:54.840Z | 34.604 | -116.283 | 4.626 | 3.57 | ci9108890 |
| 1999-10-16T13:23:09.780Z | 34.34 | -116.137 | -0.934 | 3.17 | ci3321255 |
| 1999-10-16T13:22:10.530Z | 34.555 | -116.274 | -0.071 | 3.93 | ci9108924 |
| 1999-10-16T13:14:56.470Z | 34.475 | -116.221 | -0.951 | 3.17 | ci9108878 |
| 1999-10-16T13:13:59.030Z | 34.555 | -116.243 | -0.582 | 3.31 | ci9108873 |
| 1999-10-16T13:09:09.010Z | 34.433 | -116.246 | 0.438 | 3.27 | ci9108861 |
| 1999-10-16T13:05:20.550Z | 34.6811667 | -116.3058333 | 4.559 | 3.75 | ci9109241 |
| 1999-10-16T12:57:21.060Z | 34.4415 | -116.2525 | 0.838 | 5.37 | ci3320736 |
| 1999-10-16T12:55:09.650Z | 34.505 | -116.26 | -1.171 | 4.42 | ci9108881 |
| 1999-10-16T12:51:50.950Z | 34.368 | -116.132 | -0.717 | 3.66 | ci9108876 |
| 1999-10-16T12:37:19.650Z | 34.5388333 | -116.3048333 | -1.314 | 3.74 | ci9108864 |
| 1999-10-16T12:20:22.280Z | 34.5576667 | -116.267 | -0.542 | 3.12 | ci9108815 |
| 1999-10-16T12:15:08.670Z | 34.6028333 | -116.2885 | -1.234 | 3.67 | ci9108846 |
| 1999-10-16T12:14:11.780Z | 34.6823333 | -116.3628333 | 0.086 | 3.56 | ci9109053 |
| 1999-10-16T12:13:03.640Z | 34.624 | -116.297 | 2.099 | 3.44 | ci9108794 |
| 1999-10-16T12:03:34.960Z | 34.6513333 | -116.2966667 | 4.983 | 3.5 | ci9109017 |
| 1999-10-16T11:55:37.570Z | 34.444 | -116.264 | 0.178 | 3.88 | ci9108771 |
| 1999-10-16T11:55:31.670Z | 34.564 | -116.284 | -1.314 | 3 | ci3325053 |
| 1999-10-16T11:51:44.720Z | 34.4708333 | -116.2315 | -1.064 | 3.45 | ci9108823 |
| 1999-10-16T11:50:40.350Z | 34.6781667 | -116.3611667 | 4.484 | 3.2 | ci9108991 |
| 1999-10-16T11:47:43.910Z | 34.681 | -116.347 | -0.023 | 3.78 | ci9108760 |
| 1999-10-16T11:38:50.250Z | 34.506 | -116.307 | 4.779 | 3.89 | ci9108753 |
| 1999-10-16T11:36:38.290Z | 34.5118333 | -116.2776667 | 4.947 | 3 | ci9108745 |
| 1999-10-16T11:27:53.760Z | 34.37 | -116.141 | 0.191 | 4.2 | ci3323814 |
| 1999-10-16T11:24:33.920Z | 34.579 | -116.2938333 | 4.989 | 3 | ci9108736 |
| 1999-10-16T11:21:38.720Z | 34.495 | -116.253 | -1.162 | 3.87 | ci9108894 |
| 1999-10-16T11:21:13.420Z | 34.454 | -116.247 | -1.162 | 3 | ci3321290 |
| 1999-10-16T11:20:38.180Z | 34.588 | -116.29 | 0.206 | 3.86 | ci9108765 |
| 1999-10-16T11:20:17.000Z | 34.469 | -116.2601667 | 5.268 | 3.5 | ci10084582 |
| 1999-10-16T11:10:17.350Z | 34.6461678 | -116.3311691 | 4.081 | 3.59 | ci9574948 |
| 1999-10-16T11:07:23.300Z | 34.603 | -116.294 | -1.203 | 3.82 | ci9108859 |
| 1999-10-16T11:06:38.380Z | 34.583 | -116.282 | -1.103 | 4.33 | ci9108750 |
| 1999-10-16T11:06:14.890Z | 34.5885 | -116.2836667 | 5.473 | 3 | ci10084578 |
| 1999-10-16T11:05:27.180Z | 34.4736667 | -116.3 | 5.707 | 3 | ci9108743 |
| 1999-10-16T11:04:32.680Z | 34.432 | -116.205 | 4.707 | 3.88 | ci9108687 |
| 1999-10-16T10:59:46.680Z | 34.6075 | -116.7435 | 4.51 | 3.14 | ci9574924 |
| 1999-10-16T10:54:12.220Z | 34.5205 | -116.2565 | 4.268 | 3.77 | ci9574908 |
| 1999-10-16T10:49:50.700Z | 33.2641667 | -115.6721667 | 6.051 | 3.96 | ci9108673 |
| 1999-10-16T10:35:58.920Z | 34.2028333 | -116.3801667 | 4.986 | 3.75 | ci9574888 |
| 1999-10-16T10:33:47.090Z | 34.6161667 | -116.3293333 | 6.303 | 4.08 | ci9574884 |

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|---|---|---|---|---|---|
| 1999-10-16T10:32:24.750Z | 34.3688333 | -116.7536667 | 6.226 | 3.52 | ci9574880 |
| 1999-10-16T10:31:15.790Z | 34.6475 | -116.3258333 | 4.43 | 4.04 | ci9574876 |
| 1999-10-16T10:29:41.560Z | 34.5265 | -116.3755 | 8.84 | 4.28 | ci37366733 |
| 1999-10-16T10:27:10.360Z | 34.2045 | -116.585 | 5.981 | 3.38 | ci9574864 |
| 1999-10-16T10:25:55.250Z | 34.1873333 | -116.5545 | 6.125 | 3.93 | ci9574868 |
| 1999-10-16T10:21:20.970Z | 34.54 | -116.266 | -0.514 | 4.5 | ci3321286 |
| 1999-10-16T10:20:52.660Z | 34.362 | -116.148 | -1.009 | 4.76 | ci9108709 |
| 1999-10-16T10:18:47.900Z | 34.6423333 | -116.299 | 5.72 | 4.01 | ci9108649 |
| 1999-10-16T10:14:35.350Z | 33.8901667 | -116.9215 | 8.297 | 3.33 | ci9574832 |
| 1999-10-16T10:12:19.720Z | 34.5036667 | -116.2348333 | -0.212 | 4.03 | ci9108647 |
| 1999-10-16T10:10:48.900Z | 34.6388333 | -116.2865 | -1.1 | 4.36 | ci9108699 |
| 1999-10-16T10:10:33.840Z | 34.594 | -116.278 | 4.9 | 3 | ci9108780 |
| 1999-10-16T10:09:54.620Z | 34.671 | -116.292 | 0.72 | 3.99 | ci3320876 |
| 1999-10-16T10:06:54.560Z | 34.353 | -116.15 | 4.828 | 3.03 | ci3327074 |
| 1999-10-16T10:04:54.100Z | 34.6235 | -116.2948333 | 4.787 | 4.11 | ci3320857 |
| 1999-10-16T10:02:39.820Z | 34.584 | -116.262 | -1.203 | 4.48 | ci3320849 |
| 1999-10-16T09:59:38.000Z | 34.24 | -117.04 | 6 | 5.6 | ci10180015 |
| 1999-10-16T09:59:35.390Z | 34.6781667 | -116.2895 | 13.906 | 5.77 | ci3320848 |
| 1999-10-16T09:58:02.400Z | 34.53 | -116.26 | 4.787 | 3 | ci3327080 |
| 1999-10-16T09:56:30.320Z | 33.286 | -115.647 | 2.558 | 4.47 | ci3327072 |
| 1999-10-16T09:55:45.970Z | 34.536 | -116.311 | 4.622 | 4.02 | ci3327071 |
| 1999-10-16T09:54:54.930Z | 34.617 | -116.289 | 1.527 | 4.25 | ci3327070 |
| 1999-10-16T09:52:53.970Z | 34.502 | -116.203 | 4.897 | 4.98 | ci3320847 |
| 1999-10-16T09:52:15.800Z | 34.609 | -116.286 | 4.57 | 4.15 | ci3327069 |
| 1999-10-16T09:51:48.330Z | 34.4451667 | -116.2636667 | -0.849 | 4.77 | ci3320846 |
| 1999-10-16T09:50:49.150Z | 34.221 | -116.366 | 5.175 | 3 | ci3327068 |
| 1999-10-16T09:47:43.760Z | 33.232 | -115.66 | 6.035 | 4.7 | ci3327063 |
| 1999-10-16T09:46:44.460Z | 34.6033333 | -116.265 | 13.73 | 7.1 | ci9108652 |
| 1999-10-16T02:41:04.690Z | 34.594 | -116.27 | -1.063 | 3.7 | ci9108606 |
| 1999-10-03T11:54:06.190Z | 33.049 | -115.902 | 1.326 | 3.32 | ci9107010 |
| 1999-09-20T07:02:49.180Z | 34.322 | -116.846 | 1.494 | 4.12 | ci9105672 |
| 1999-09-12T01:21:20.520Z | 33.937 | -116.359 | 9.007 | 3.17 | ci9104691 |
| 1999-09-07T16:42:09.070Z | 33.339 | -116.209 | 16.551 | 3.35 | ci9104164 |
| 1999-08-18T07:50:05.640Z | 34.396 | -116.469 | 2.646 | 3.09 | ci9101425 |
| 1999-08-10T18:44:21.460Z | 33.27 | -116.005 | 2.426 | 3.45 | ci9100018 |
| 1999-08-09T12:56:33.090Z | 33.264 | -116.001 | 4.146 | 3.26 | ci9099900 |
| 1999-07-19T22:09:27.480Z | 33.632 | -116.717 | 12.904 | 4.15 | ci9096656 |
| 1999-06-25T04:33:08.690Z | 33.225 | -116.013 | 5.686 | 3.12 | ci9093372 |
| 1999-06-22T00:02:16.760Z | 33.264 | -116.004 | 3.345 | 3.06 | ci9092902 |
| 1999-06-15T05:15:37.390Z | 34.167 | -116.441 | 8.696 | 3.02 | ci9091960 |
| 1999-06-12T15:48:35.460Z | 33.966 | -116.407 | 7.797 | 3.07 | ci9091618 |
| 1999-06-03T16:33:07.010Z | 34.067 | -116.365 | 0.916 | 3.69 | ci9090571 |
| 1999-05-14T10:52:35.210Z | 34.033 | -116.359 | 0.926 | 4.15 | ci3317364 |

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|---|---|---|---|---|---|
| 1999-05-14T10:29:33.130Z | 34.068 | -116.364 | 0.226 | 3.21 | ci9086741 |
| 1999-05-14T09:58:40.390Z | 34.064 | -116.368 | -0.924 | 3.13 | ci7129519 |
| 1999-05-14T09:31:57.030Z | 34.036 | -116.36 | -0.944 | 3.35 | ci7129510 |
| 1999-05-14T09:19:13.800Z | 34.03 | -116.356 | -0.934 | 3.14 | ci7129529 |
| 1999-05-14T08:51:42.310Z | 34.034 | -116.364 | -1.26 | 3.8 | ci7129394 |
| 1999-05-14T08:51:30.390Z | 34.043 | -116.353 | -0.814 | 3.7 | ci3317344 |
| 1999-05-14T08:40:33.230Z | 34.039 | -116.362 | 0.856 | 3.38 | ci7129392 |
| 1999-05-14T08:22:07.140Z | 34.028 | -116.355 | 0.496 | 3.94 | ci9086693 |
| 1999-05-14T08:18:34.040Z | 34.076 | -116.371 | 1.176 | 3.48 | ci9086688 |
| 1999-05-14T08:09:11.310Z | 34.022 | -116.355 | -1.28 | 3.16 | ci3317357 |
| 1999-05-14T08:01:48.820Z | 34.068 | -116.371 | -1.28 | 3.08 | ci3317399 |
| 1999-05-14T07:59:42.650Z | 34.063 | -116.374 | -1.27 | 3.45 | ci3317354 |
| 1999-05-14T07:56:07.890Z | 34.056 | -116.371 | -0.734 | 3.4 | ci3317352 |
| 1999-05-14T07:54:03.190Z | 34.062 | -116.366 | 1.036 | 4.93 | ci9086596 |
| 1999-05-05T02:17:46.910Z | 34.069 | -116.371 | 0.926 | 3.57 | ci9085734 |
| 1999-05-02T01:07:59.350Z | 33.955 | -116.318 | 6.841 | 3.7 | ci9085336 |
| 1999-04-24T17:42:17.820Z | 33.985 | -116.405 | 2.886 | 3.05 | ci9084570 |
| 1999-04-21T17:28:18.010Z | 34.138 | -116.768 | 9.031 | 3.87 | ci9084273 |
| 1999-04-16T15:53:51.580Z | 34.484 | -116.511 | 1.928 | 3.15 | ci9083778 |
| 1999-04-15T03:59:02.770Z | 33.165 | -115.639 | 1.632 | 3.11 | ci9083589 |
| 1999-04-15T03:51:53.260Z | 33.166 | -115.641 | 0.847 | 3.29 | ci9083580 |
| 1999-04-13T23:39:58.090Z | 33.983 | -116.402 | 2.216 | 3.34 | ci9083436 |
| 1999-04-11T17:21:10.760Z | 34.319 | -116.841 | 5.428 | 3.07 | ci9083137 |
| 1999-04-03T04:06:15.180Z | 34.144 | -116.433 | 2.156 | 3.11 | ci9082400 |
| 1999-03-28T00:12:06.490Z | 33.734 | -117.061 | 10.989 | 3.36 | ci9081930 |
| 1999-03-22T08:31:29.350Z | 34.034 | -117.224 | 16.044 | 3.79 | ci9081410 |
| 1999-03-11T15:11:23.700Z | 34.328 | -116.846 | 3.662 | 3.03 | ci9080321 |
| 1999-03-05T06:13:02.940Z | 33.968 | -116.352 | 7.086 | 3.41 | ci9079844 |
| 1999-02-19T16:27:50.970Z | 33.201 | -115.986 | 5.99 | 3.47 | ci9078766 |
| 1999-01-24T23:58:51.710Z | 34.317 | -116.843 | 3.208 | 3.37 | ci9076749 |
| 1998-12-12T15:03:11.040Z | 34.01 | -116.774 | 18.807 | 3.54 | ci9073452 |
| 1998-11-15T11:14:56.690Z | 33.224 | -116.064 | 13.561 | 3.38 | ci9071640 |
| 1998-11-10T20:59:35.630Z | 34.151 | -116.425 | 9.176 | 3.45 | ci9071348 |
| 1998-11-05T04:11:36.280Z | 33.934 | -116.95 | 6.045 | 3.01 | ci9070922 |
| 1998-11-04T07:21:37.970Z | 34.316 | -116.842 | 3.338 | 3.11 | ci9070822 |
| 1998-11-01T09:28:52.760Z | 34.319 | -116.848 | 4.358 | 3.08 | ci9070553 |
| 1998-10-29T20:49:45.540Z | 34.319 | -116.851 | 3.158 | 3.35 | ci9070300 |
| 1998-10-29T00:06:13.570Z | 34.316 | -116.844 | 3.858 | 3.04 | ci9070227 |
| 1998-10-27T15:40:17.060Z | 34.32 | -116.85 | 2.468 | 4.09 | ci9070083 |
| 1998-10-27T07:16:06.970Z | 34.324 | -116.851 | 2.698 | 3.64 | ci9070033 |
| 1998-10-27T01:42:32.440Z | 34.319 | -116.845 | 3.378 | 3.11 | ci9069988 |
| 1998-10-27T01:08:40.650Z | 34.323 | -116.844 | 4.078 | 4.82 | ci9069997 |
| 1998-10-25T11:40:48.950Z | 33.966 | -117.176 | 13.624 | 3.01 | ci9069870 |

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|---|---|---|---|---|---|
| 1998-10-01T18:18:15.960Z | 34.111 | -116.92 | 3.175 | 4.63 | ci7112721 |
| 1998-10-01T13:59:42.690Z | 34.315 | -116.924 | 5.211 | 3.37 | ci7112712 |
| 1998-09-10T15:43:09.780Z | 33.286 | -116.198 | 2.296 | 3.16 | ci9066434 |
| 1998-08-31T00:08:03.200Z | 34.108 | -116.919 | 3.243 | 3.1 | ci9065437 |
| 1998-08-23T15:42:23.720Z | 34.099 | -116.953 | 8.498 | 3.38 | ci9064808 |
| 1998-08-17T23:18:01.700Z | 34.122 | -116.931 | 5.654 | 3.24 | ci9064258 |
| 1998-08-17T09:44:47.140Z | 34.271 | -117.202 | 5.639 | 3.42 | ci9064204 |
| 1998-08-16T19:05:53.620Z | 34.109 | -116.925 | 2.881 | 3 | ci9064128 |
| 1998-08-16T13:34:40.230Z | 34.121 | -116.928 | 4.604 | 4.78 | ci9064093 |
| 1998-07-27T13:55:41.430Z | 33.947 | -116.361 | 6.816 | 3.55 | ci9062109 |
| 1998-07-24T18:51:41.330Z | 33.149 | -116.598 | 17.413 | 3.88 | ci9061904 |
| 1998-07-10T21:29:13.760Z | 33.224 | -116.088 | 12.252 | 4.07 | ci9060065 |
| 1998-07-04T11:15:48.320Z | 34.636 | -116.687 | -0.137 | 3.71 | ci9059472 |
| 1998-06-26T16:55:47.520Z | 33.028 | -115.878 | 3.666 | 3.89 | ci9058311 |
| 1998-06-22T00:07:53.470Z | 34.031 | -116.646 | 11.816 | 3.61 | ci9057907 |
| 1998-06-17T03:45:37.010Z | 34.274 | -116.962 | 8.411 | 3.26 | ci9057512 |
| 1998-06-17T03:19:21.710Z | 34.271 | -116.961 | 8.271 | 3.03 | ci3299987 |
| 1998-06-16T15:42:30.250Z | 33.34 | -116.248 | 14.324 | 3.28 | ci9057477 |
| 1998-06-04T06:07:02.480Z | 33.443 | -116.859 | 11.449 | 3.7 | ci9055663 |
| 1998-05-22T13:46:09.040Z | 34.173 | -117.343 | 10.052 | 3 | ci9054563 |
| 1998-05-09T10:19:06.910Z | 33.162 | -115.642 | 1.213 | 3.09 | ci9053318 |
| 1998-04-17T15:02:05.470Z | 34.609 | -116.628 | 7.903 | 3.6 | ci9050946 |
| 1998-03-16T09:14:51.950Z | 33.435 | -116.422 | 2.471 | 3.01 | ci9046908 |
| 1998-03-13T21:08:13.770Z | 34.015 | -116.78 | 13.546 | 3.08 | ci9046642 |
| 1998-03-11T12:18:51.830Z | 34.024 | -117.23 | 14.421 | 4.45 | ci3298292 |
| 1998-02-07T09:34:58.000Z | 33.79 | -116.974 | 13.9 | 3.1 | ci9042104 |
| 1998-02-03T16:45:34.160Z | 34.111 | -116.914 | 6.095 | 3.47 | ci9041788 |
| 1998-01-26T23:27:28.830Z | 34.624 | -116.672 | 2.793 | 3.16 | ci9041036 |
| 1998-01-23T07:50:17.050Z | 32.975 | -116.449 | 12.391 | 3.15 | ci9040548 |
| 1998-01-13T01:09:34.690Z | 33.232 | -115.577 | 1.892 | 3.85 | ci9039664 |
| 1998-01-12T16:00:29.070Z | 33.234 | -115.569 | 3.28 | 3.22 | ci9039606 |
| 1998-01-07T23:52:45.510Z | 33.194 | -115.603 | 4.542 | 3.4 | ci3297965 |
| 1997-12-31T13:05:46.280Z | 33.193 | -115.61 | 5.558 | 3.1 | ci9037000 |
| 1997-12-31T12:22:45.060Z | 33.192 | -115.608 | 10.282 | 4.07 | ci9036954 |
| 1997-12-27T16:56:41.230Z | 33.312 | -115.695 | 2.003 | 3.53 | ci9036406 |
| 1997-12-26T15:05:32.290Z | 33.32 | -115.689 | 10.193 | 3.68 | ci9036250 |
| 1997-12-05T17:04:38.920Z | 34.097 | -116.996 | 3.069 | 4.08 | ci9033757 |
| 1997-12-04T08:30:57.370Z | 33.163 | -115.655 | 2.472 | 3.44 | ci9033605 |
| 1997-10-27T16:41:15.080Z | 33.176 | -116.039 | 11.362 | 3.17 | ci9028384 |
| 1997-10-16T09:37:54.600Z | 34.02 | -116.749 | 12.199 | 3.12 | ci9026626 |
| 1997-09-28T15:57:22.950Z | 34.301 | -116.452 | 6.543 | 4.42 | ci9024626 |
| 1997-09-19T22:37:14.470Z | 34.141 | -116.856 | 8.674 | 4.11 | ci9023927 |
| 1997-09-12T15:23:43.400Z | 34.339 | -116.874 | -1.412 | 3.27 | ci9023017 |

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|---|---|---|---|---|---|
| 1997-09-02T13:47:35.890Z | 34.15 | -117.332 | 7.102 | 3.1 | ci9022103 |
| 1997-08-13T14:43:56.520Z | 34.15 | -117.333 | 5.213 | 3.05 | ci9019721 |
| 1997-07-26T11:53:14.990Z | 33.328 | -116.392 | 9.308 | 3.12 | ci9017634 |
| 1997-07-26T10:24:16.900Z | 34.159 | -117.329 | 8.702 | 3.73 | ci9017623 |
| 1997-07-26T03:14:55.920Z | 33.398 | -116.349 | 11.113 | 4.89 | ci9017527 |
| 1997-07-12T18:05:40.760Z | 34.156 | -117.328 | 9.142 | 3.51 | ci9015982 |
| 1997-06-28T21:45:25.100Z | 34.168 | -117.336 | 8.892 | 4.18 | ci9014489 |
| 1997-06-27T14:06:20.390Z | 33.263 | -116.006 | 3.237 | 3.44 | ci9014370 |
| 1997-06-10T09:21:45.490Z | 34.048 | -117.265 | 14.81 | 3.19 | ci9012932 |
| 1997-05-29T00:48:14.950Z | 33.347 | -116.912 | 6.061 | 3.35 | ci9011839 |
| 1997-05-23T14:38:41.690Z | 33.07 | -116.459 | 12.887 | 3.51 | ci9011379 |
| 1997-05-15T13:31:53.200Z | 34.372 | -116.878 | 2.68 | 3.05 | ci9010627 |
| 1997-05-11T00:16:28.610Z | 33.974 | -116.672 | 15.359 | 3.81 | ci9010203 |
| 1997-04-06T11:41:11.530Z | 33.422 | -116.951 | 10.801 | 3.14 | ci7064394 |
| 1997-04-01T18:03:54.470Z | 33.039 | -116.503 | 2.606 | 3.03 | ci7063953 |
| 1997-03-20T18:12:36.480Z | 33.807 | -116.972 | 12.29 | 3.15 | ci7062796 |
| 1997-02-23T03:48:51.200Z | 33.735 | -116.0445 | 6.568 | 3.27 | ci7060179 |
| 1997-02-23T03:44:59.220Z | 33.738 | -116.043 | 6.768 | 3.44 | ci7060205 |
| 1997-02-23T03:43:33.280Z | 33.729 | -116.046 | 6.078 | 3.87 | ci7060178 |
| 1997-02-07T06:59:49.340Z | 33.5028333 | -116.5738333 | 0.775 | 3.91 | ci7058729 |
| 1997-01-18T00:11:30.710Z | 34.158 | -116.424 | 0.332 | 3.27 | ci7056750 |
| 1997-01-17T00:31:56.500Z | 33.682 | -117.064 | -0.696 | 3.4 | ci3294148 |
| 1997-01-15T16:17:19.380Z | 33.819 | -117.001 | 11.8 | 3.3 | ci7056485 |
| 1997-01-13T16:09:34.830Z | 33.267 | -116.01 | 3.569 | 3.87 | ci7056275 |
| 1997-01-13T11:29:37.650Z | 33.447 | -116.901 | 12.531 | 3.76 | ci7056254 |
| 1997-01-09T09:01:54.230Z | 34.371 | -116.463 | 1.556 | 3.12 | ci7055744 |
| 1996-12-31T01:41:54.780Z | 33.618 | -117.278 | 12.234 | 3.16 | ci3292336 |
| 1996-12-30T01:41:54.830Z | 33.62 | -117.278 | 12.134 | 3.05 | ci7054903 |
| 1996-12-28T22:41:20.230Z | 33.76 | -116.89 | 12.34 | 3.95 | ci7054725 |
| 1996-12-01T15:30:26.940Z | 34.591 | -116.618 | 5.83 | 3.06 | ci7051454 |
| 1996-11-27T02:16:12.850Z | 33.953 | -116.313 | 4.123 | 3.26 | ci7050397 |
| 1996-11-27T01:42:43.820Z | 33.953 | -116.314 | 5.38 | 4.46 | ci7050391 |
| 1996-11-25T04:43:08.370Z | 34.013 | -116.945 | 13.138 | 3.42 | ci7050199 |
| 1996-11-13T12:37:00.410Z | 33.468 | -116.453 | 0.133 | 3.74 | ci7049125 |
| 1996-11-04T02:13:39.130Z | 34.142 | -116.429 | 2.132 | 3.06 | ci7048135 |
| 1996-11-03T06:32:05.040Z | 34.595 | -116.28 | 4.779 | 3.41 | ci7048074 |
| 1996-11-02T03:04:49.320Z | 33.207 | -115.704 | 10.788 | 3.17 | ci7047994 |
| 1996-11-01T17:57:54.530Z | 34.34 | -116.45 | 3.786 | 3.39 | ci7047958 |
| 1996-10-25T11:51:32.180Z | 34.139 | -116.407 | 2.672 | 3.42 | ci7047437 |
| 1996-10-20T00:17:33.390Z | 34.604 | -116.278 | 4.779 | 4.16 | ci7046881 |
| 1996-09-12T21:18:18.320Z | 33.906 | -117.145 | 13.385 | 3.84 | ci7042960 |
| 1996-09-11T00:25:01.430Z | 33.685 | -117.066 | -0.637 | 3.38 | ci3277033 |
| 1996-08-16T13:27:42.850Z | 34.606 | -116.284 | 4.606 | 3 | ci3274262 |

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|---|---|---|---|---|---|
| 1996-08-15T12:17:52.550Z | 33.963 | -116.888 | 17.079 | 3.29 | ci3274131 |
| 1996-08-14T03:05:27.490Z | 34.599 | -116.28 | 4.779 | 4.3 | ci3273970 |
| 1996-08-09T03:37:56.100Z | 33.259 | -116.287 | 8.852 | 3.33 | ci3273396 |
| 1996-08-06T11:52:11.510Z | 34.079 | -116.782 | 11.383 | 3.26 | ci3272788 |
| 1996-07-28T09:46:13.590Z | 33.9893333 | -116.2761667 | 4.523 | 3.36 | ci3271840 |
| 1996-07-21T12:53:18.980Z | 33.996 | -116.814 | 11.269 | 3.34 | ci3271205 |
| 1996-07-04T08:16:59.280Z | 33.995 | -116.298 | 4.658 | 3.46 | ci3269588 |
| 1996-05-20T17:12:48.680Z | 33.346 | -116.222 | 10.654 | 3.4 | ci3265173 |
| 1996-04-26T19:14:52.910Z | 33.736 | -115.922 | 7.149 | 3.31 | ci3262968 |
| 1996-04-19T19:52:19.980Z | 33.733 | -115.919 | 7.299 | 3.22 | ci3262281 |
| 1996-04-19T19:18:04.510Z | 34.135 | -116.854 | 9.424 | 3.1 | ci3262277 |
| 1996-04-16T05:07:32.950Z | 34.622 | -116.564 | 7.19 | 3.13 | ci3261930 |
| 1996-04-08T23:46:41.350Z | 34.377 | -116.46 | -0.124 | 3.9 | ci3261222 |
| 1996-04-08T15:20:49.440Z | 34.378 | -116.461 | -0.394 | 3.03 | ci3261157 |
| 1996-04-07T22:24:47.200Z | 34.378 | -116.461 | -0.174 | 3.06 | ci3261089 |
| 1996-04-02T03:47:00.350Z | 33.738 | -115.922 | 6.339 | 3.27 | ci3260451 |
| 1996-03-09T23:20:46.570Z | 34.349 | -116.468 | 2.916 | 3.26 | ci3257703 |
| 1996-02-21T15:54:31.960Z | 34.39 | -116.458 | 1.486 | 3.81 | ci3255477 |
| 1996-02-19T13:08:07.890Z | 34.634 | -116.514 | 5.82 | 3.13 | ci3255214 |
| 1996-02-09T12:14:12.660Z | 34.372 | -116.463 | -0.514 | 3.58 | ci3253994 |
| 1996-01-31T11:11:34.350Z | 34.308 | -116.455 | 1.378 | 3.25 | ci3252654 |
| 1996-01-25T05:35:12.660Z | 34.163 | -116.446 | 1.067 | 3.57 | ci3251903 |
| 1996-01-21T12:01:18.400Z | 34.096 | -116.445 | 7.297 | 3.24 | ci3251401 |
| 1996-01-17T23:09:53.330Z | 34.242 | -116.829 | 5.463 | 3.42 | ci3250955 |
| 1996-01-16T12:47:57.370Z | 34.2198333 | -116.9186667 | 2.114 | 3.07 | ci3250740 |
| 1996-01-05T11:57:40.130Z | 33.944 | -116.368 | 6.425 | 3.84 | ci3248652 |
| 1995-12-28T04:06:37.090Z | 34.604 | -116.632 | 2.55 | 3.08 | ci3247825 |
| 1995-12-27T20:10:31.610Z | 33.2 | -115.604 | 1.558 | 3.1 | ci3247790 |
| 1995-12-26T05:44:11.000Z | 33.703 | -116.767 | 14.116 | 3.25 | ci3247634 |
| 1995-12-20T04:28:32.860Z | 34.385 | -116.455 | 0.186 | 3.39 | ci3246977 |
| 1995-12-19T17:26:31.730Z | 33.57 | -117.103 | 11.279 | 3.25 | ci3246869 |
| 1995-12-05T15:34:44.300Z | 33.295 | -116.322 | 13.604 | 3.08 | ci3245829 |
| 1995-11-11T21:22:39.010Z | 34.049 | -117.266 | 14.673 | 3.01 | ci3242736 |
| 1995-11-09T06:22:23.010Z | 34.402 | -116.473 | 2.386 | 3.21 | ci3242385 |
| 1995-10-22T14:41:03.750Z | 34.138 | -116.433 | 1.447 | 3.85 | ci3239495 |
| 1995-10-11T17:37:03.970Z | 33.246 | -116.128 | 13.713 | 3.47 | ci3237662 |
| 1995-09-23T16:03:52.010Z | 34.251 | -116.436 | 1.877 | 3.45 | ci3233047 |
| 1995-09-09T08:08:16.270Z | 34.156 | -116.434 | 6.177 | 3.48 | ci3229998 |
| 1995-09-05T21:47:52.060Z | 34.178 | -116.429 | -0.403 | 3.01 | ci3229665 |
| 1995-09-05T20:27:18.420Z | 34.199 | -116.438 | -0.893 | 4.44 | ci3229496 |
| 1995-08-19T04:01:26.810Z | 33.404 | -116.433 | 12.534 | 3.1 | ci3225827 |
| 1995-08-15T16:03:46.670Z | 34.17 | -116.459 | 8.477 | 3.4 | ci3224779 |
| 1995-08-15T05:17:46.880Z | 33.781 | -116.922 | 11.444 | 3 | ci3224709 |

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|---|---|---|---|---|---|
| 1995-08-12T09:57:53.440Z | 33.985 | -116.904 | 8.943 | 3.25 | ci3224351 |
| 1995-07-28T07:07:30.390Z | 33.541 | -116.69 | 7.808 | 3.64 | ci3222372 |
| 1995-07-13T15:39:00.020Z | 34.014 | -116.326 | 4.654 | 3.12 | ci3219392 |
| 1995-06-28T21:29:09.130Z | 34.356 | -116.904 | 2.829 | 3.02 | ci3217948 |
| 1995-06-17T07:56:38.350Z | 34.65 | -116.658 | 3.28 | 3.19 | ci3216711 |
| 1995-06-09T19:44:04.390Z | 33.273 | -116.812 | 13.165 | 3.38 | ci3215805 |
| 1995-05-30T01:44:56.120Z | 33.5 | -116.824 | 12.981 | 3.13 | ci3214808 |
| 1995-05-21T19:50:50.450Z | 33.81 | -116.988 | 10.68 | 3.02 | ci3213726 |
| 1995-05-13T02:25:22.140Z | 33.975 | -116.974 | 13.758 | 3.73 | ci3212848 |
| 1995-05-07T22:05:26.940Z | 33.905 | -116.297 | 8.763 | 3.05 | ci3212318 |
| 1995-05-07T11:03:33.040Z | 33.905 | -116.288 | 10.123 | 4.77 | ci3212249 |
| 1995-04-20T21:38:41.870Z | 34.302 | -116.912 | 4.849 | 3.21 | ci3210509 |
| 1995-04-14T18:28:26.050Z | 34.228 | -116.763 | 5.463 | 3 | ci3209988 |
| 1995-04-11T15:56:23.100Z | 33.906 | -116.291 | 8.713 | 3.41 | ci3209640 |
| 1995-04-10T14:01:32.670Z | 34.412 | -116.47 | 2.356 | 3.66 | ci3209506 |
| 1995-04-09T23:01:08.490Z | 34.04 | -116.322 | 7.498 | 3.29 | ci3209441 |
| 1995-04-07T03:17:51.870Z | 34.365 | -116.47 | -0.114 | 3.1 | ci3209212 |
| 1995-04-04T06:26:49.820Z | 34.054 | -117.259 | 17.503 | 3.48 | ci3208879 |
| 1995-03-27T16:26:29.920Z | 33.988 | -116.441 | 7.699 | 3.28 | ci3208087 |
| 1995-03-18T08:30:14.830Z | 34.03 | -116.955 | 10.453 | 3.21 | ci3207055 |
| 1995-02-27T16:36:39.590Z | 34.051 | -116.435 | 1.991 | 3.13 | ci3204908 |
| 1995-02-26T20:02:13.550Z | 34.377 | -116.46 | 0.086 | 3.2 | ci3204787 |
| 1995-02-22T04:27:57.660Z | 34.146 | -116.429 | 1.598 | 3.11 | ci3203881 |
| 1995-02-19T15:47:58.240Z | 34.322 | -116.879 | 7.504 | 3.5 | ci3203622 |
| 1995-01-24T11:57:28.990Z | 33.941 | -117.346 | 14.978 | 3.48 | ci3201076 |
| 1995-01-23T07:58:53.400Z | 34.307 | -116.863 | 1.853 | 3.11 | ci3200990 |
| 1995-01-22T16:11:41.600Z | 34.306 | -116.86 | 2.513 | 3.23 | ci3200927 |
| 1995-01-12T22:50:45.860Z | 34.009 | -116.322 | 4.804 | 3.1 | ci3199907 |
| 1994-12-13T17:51:44.410Z | 34.126 | -116.883 | 8.849 | 3.28 | ci3196638 |
| 1994-11-25T22:32:08.090Z | 34.125 | -116.425 | 5.809 | 3.14 | ci3194605 |
| 1994-11-20T04:31:43.450Z | 34.012 | -116.319 | 5.495 | 4.21 | ci3193347 |
| 1994-11-16T02:52:42.320Z | 34.071 | -117.187 | 10.119 | 3.36 | ci3192849 |
| 1994-11-12T11:50:28.530Z | 34.361 | -116.459 | 0.096 | 3.56 | ci3192274 |
| 1994-11-09T02:29:04.320Z | 33.68 | -116.797 | 16.596 | 3.72 | ci3191862 |
| 1994-11-07T18:32:20.610Z | 33.701 | -116.764 | 14.406 | 3.76 | ci3191683 |
| 1994-11-07T18:04:42.640Z | 34.339 | -116.823 | 5.425 | 3.01 | ci3191682 |
| 1994-10-31T00:45:23.970Z | 34.374 | -116.455 | 1.606 | 3.41 | ci3190827 |
| 1994-10-24T15:17:56.080Z | 34.265 | -116.458 | -0.9 | 3.33 | ci3189808 |
| 1994-10-19T20:04:50.910Z | 34.449 | -116.499 | 1.747 | 3.09 | ci3188924 |
| 1994-10-09T04:10:07.450Z | 33.231 | -116.1 | 11.363 | 3.88 | ci3187666 |
| 1994-09-21T22:15:06.490Z | 33.527 | -116.522 | 5.326 | 3.13 | ci3185616 |
| 1994-09-12T00:16:59.620Z | 33.764 | -116.952 | 14.09 | 3.52 | ci3184085 |
| 1994-08-30T15:59:57.770Z | 34.15 | -116.428 | 5.097 | 3.11 | ci3182675 |

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|---|---|---|---|---|---|
| 1994-08-21T12:52:40.730Z | 34.592 | -116.617 | 2.75 | 3.58 | ci3181488 |
| 1994-08-20T20:22:55.190Z | 33.377 | -116.385 | 9.694 | 3.15 | ci3181408 |
| 1994-08-15T08:08:24.440Z | 33.808 | -116.205 | 6.615 | 3.32 | ci3180677 |
| 1994-08-15T08:07:32.860Z | 33.812 | -116.201 | 6.315 | 3.82 | ci3180612 |
| 1994-08-11T16:49:51.110Z | 34.15 | -116.447 | 7.907 | 3.04 | ci3180075 |
| 1994-08-07T23:43:32.880Z | 33.992 | -116.274 | 6.865 | 3.6 | ci3179575 |
| 1994-08-07T15:10:25.960Z | 33.992 | -116.274 | 6.225 | 3.95 | ci3179522 |
| 1994-08-01T21:34:31.120Z | 34.64 | -116.517 | 7.93 | 4.85 | ci3178681 |
| 1994-07-28T10:52:02.510Z | 33.403 | -116.944 | 4.261 | 3.23 | ci3178069 |
| 1994-07-11T14:34:10.580Z | 34.631 | -116.61 | 3.25 | 3.2 | ci3175602 |
| 1994-06-29T07:34:35.210Z | 34.273 | -116.411 | 0.07 | 3.53 | ci3174154 |
| 1994-06-28T22:03:09.610Z | 33.368 | -116.393 | 7.584 | 3.18 | ci3174102 |
| 1994-06-24T20:20:59.720Z | 34.368 | -116.901 | 1.369 | 3.07 | ci3173702 |
| 1994-06-16T16:24:27.530Z | 34.268 | -116.402 | 2.52 | 4.97 | ci3172554 |
| 1994-06-15T14:13:52.510Z | 34.337 | -116.469 | 3.536 | 3.14 | ci3172420 |
| 1994-05-31T03:03:34.430Z | 33.202 | -116.049 | 3.333 | 3.42 | ci3169866 |
| 1994-05-26T22:26:59.140Z | 34.109 | -117.323 | 16.885 | 3.43 | ci3169324 |
| 1994-05-24T15:41:45.640Z | 34.624 | -116.554 | 6.81 | 3.02 | ci3168927 |
| 1994-04-06T19:01:04.060Z | 34.192 | -117.095 | 5.726 | 4.78 | ci3162132 |
| 1994-04-06T07:27:36.470Z | 34.478 | -116.516 | 4.81 | 3.26 | ci3162117 |
| 1994-04-06T07:26:01.230Z | 34.477 | -116.515 | 7.38 | 3.71 | ci3162056 |
| 1994-04-05T15:17:50.660Z | 34.011 | -117.105 | 8.304 | 3.02 | ci3161935 |
| 1994-04-04T03:25:44.410Z | 33.441 | -116.853 | 12.841 | 3.35 | ci3161717 |
| 1994-03-28T06:18:38.390Z | 33.35 | -116.358 | 11.484 | 3.26 | ci3160727 |
| 1994-03-14T22:22:09.180Z | 34.033 | -117.251 | 14.413 | 3.03 | ci3158448 |
| 1994-03-07T09:11:36.390Z | 34.622 | -116.606 | 4.484 | 3.69 | ci3157117 |
| 1994-03-02T03:35:37.940Z | 34.193 | -116.441 | -0.835 | 3.33 | ci3155989 |
| 1994-02-28T05:40:07.610Z | 34.203 | -116.437 | 2.495 | 3.43 | ci3155943 |
| 1994-02-09T15:47:47.990Z | 33.467 | -116.451 | 6.113 | 3.48 | ci3150798 |
| 1994-02-06T03:15:54.050Z | 34.569 | -116.412 | 4.81 | 3.25 | ci3149968 |
| 1994-01-29T15:00:59.580Z | 34.64 | -116.663 | 4.792 | 3.09 | ci3147325 |
| 1994-01-27T18:57:10.880Z | 34.406 | -116.509 | 0.61 | 3.4 | ci3146645 |
| 1994-01-14T10:35:53.160Z | 34.042 | -117.097 | 15.792 | 3.08 | ci3140330 |
| 1994-01-13T11:51:44.210Z | 33.231 | -116.037 | 2.494 | 3.08 | ci3140226 |
| 1994-01-02T13:19:17.630Z | 33.701 | -117.024 | 11.001 | 3.88 | ci3138869 |
| 1994-01-01T17:47:31.540Z | 34.388 | -117.016 | 7.009 | 3.46 | ci3138805 |
| 1993-12-23T00:28:06.890Z | 34.148 | -116.433 | 4.327 | 3.06 | ci3137418 |
| 1993-12-17T22:55:38.610Z | 34.58 | -116.568 | 6.457 | 3.02 | ci3136769 |
| 1993-12-10T10:10:10.500Z | 34.018 | -117.109 | 7.312 | 3.19 | ci3135799 |
| 1993-12-03T01:51:24.750Z | 34.259 | -116.722 | -0.358 | 3.84 | ci3134575 |
| 1993-11-25T20:27:06.860Z | 34.086 | -116.425 | 8.177 | 3.05 | ci3133608 |
| 1993-11-04T23:15:38.650Z | 34.621 | -116.662 | 4.791 | 3.28 | ci3130544 |
| 1993-11-04T00:36:53.740Z | 33.824 | -115.658 | -0.667 | 3.4 | ci3130427 |

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|---|---|---|---|---|---|
| 1993-10-30T11:30:00.060Z | 34.014 | -117.012 | 5.267 | 3.01 | ci3129879 |
| 1993-10-29T09:11:34.590Z | 33.19 | -115.609 | 6.409 | 3.1 | ci3129681 |
| 1993-10-19T02:40:29.070Z | 34.198 | -116.433 | 4.847 | 3.37 | ci3127836 |
| 1993-10-15T18:57:09.440Z | 34.242 | -116.426 | 1.637 | 3.05 | ci3127281 |
| 1993-10-11T01:35:53.340Z | 33.254 | -116.234 | 8.837 | 3.04 | ci3126422 |
| 1993-10-08T18:30:01.090Z | 34.388 | -116.464 | 4.206 | 3.51 | ci3125934 |
| 1993-10-04T02:57:36.700Z | 34.013 | -116.343 | 0.885 | 3.45 | ci3125013 |
| 1993-09-14T14:49:03.630Z | 34.383 | -116.459 | -0.054 | 3.32 | ci3122252 |
| 1993-09-14T08:18:57.700Z | 34.016 | -116.318 | 2.325 | 3.25 | ci3122158 |
| 1993-09-14T04:29:13.580Z | 34.383 | -116.455 | 0.155 | 3.29 | ci3122130 |
| 1993-09-10T15:56:35.410Z | 34.358 | -116.455 | 6.566 | 3.02 | ci3121732 |
| 1993-09-10T03:38:05.160Z | 34.421 | -116.472 | 1.266 | 3 | ci3121671 |
| 1993-09-07T16:41:52.570Z | 34.268 | -116.451 | -0.7 | 3.54 | ci3121150 |
| 1993-09-07T09:43:17.960Z | 34.167 | -116.433 | 6.417 | 3.22 | ci3121033 |
| 1993-09-06T08:25:23.060Z | 34.141 | -116.837 | 8.135 | 3.94 | ci3120810 |
| 1993-08-21T01:46:38.400Z | 34.029 | -116.321 | 8.245 | 5 | ci3118441 |
| 1993-08-16T09:12:16.070Z | 34.6 | -116.629 | 2.621 | 3.3 | ci3117713 |
| 1993-08-14T02:09:11.040Z | 34.001 | -117.191 | 14.637 | 3.03 | ci3117458 |
| 1993-08-11T16:13:44.120Z | 34.178 | -116.43 | 3.937 | 3.12 | ci3117122 |
| 1993-08-09T01:55:00.560Z | 34.013 | -117.105 | 7.322 | 3.01 | ci3116768 |
| 1993-08-08T01:24:47.820Z | 34.512 | -116.527 | 3.968 | 3.09 | ci3116651 |
| 1993-08-04T14:03:27.260Z | 34.377 | -116.457 | 2.266 | 3.07 | ci3116195 |
| 1993-08-02T21:04:25.550Z | 34.115 | -116.744 | 8.112 | 3.28 | ci3115988 |
| 1993-07-29T16:08:09.140Z | 33.252 | -116.137 | 11.689 | 3.53 | ci3115600 |
| 1993-07-20T17:23:54.670Z | 33.921 | -116.882 | 10.178 | 3.09 | ci3114186 |
| 1993-07-08T22:57:44.870Z | 34.245 | -116.429 | 1.507 | 4.01 | ci3112773 |
| 1993-07-07T22:07:37.130Z | 34.251 | -116.897 | 9.043 | 3.44 | ci3112621 |
| 1993-06-28T23:43:32.250Z | 34.145 | -116.421 | 5.077 | 3.1 | ci3111652 |
| 1993-06-26T12:48:02.460Z | 34.076 | -116.348 | 1.277 | 3.62 | ci3111385 |
| 1993-06-22T23:08:10.940Z | 34.626 | -116.622 | 6.481 | 3.8 | ci3110951 |
| 1993-06-19T07:20:26.400Z | 34.078 | -116.349 | 0.867 | 3.24 | ci3110524 |
| 1993-06-12T04:23:29.000Z | 33.41 | -116.415 | 7.013 | 3.13 | ci3109664 |
| 1993-06-08T21:20:15.020Z | 34.124 | -116.993 | 4.715 | 3.24 | ci3109221 |
| 1993-06-05T11:55:55.700Z | 34.148 | -116.422 | 2.947 | 3.62 | ci3108625 |
| 1993-05-31T08:55:29.990Z | 34.12 | -116.995 | 4.37 | 4.11 | ci3107911 |
| 1993-05-25T00:17:57.770Z | 34.121 | -116.399 | -0.843 | 3.2 | ci3107022 |
| 1993-05-24T16:27:48.260Z | 34.031 | -116.327 | 5.675 | 3.19 | ci3106978 |
| 1993-05-23T12:06:13.280Z | 34.501 | -116.512 | 3.608 | 3.26 | ci3106767 |
| 1993-05-16T10:13:28.060Z | 33.98 | -116.37 | 4.641 | 3.06 | ci3104937 |
| 1993-05-01T06:40:07.340Z | 34.151 | -116.423 | 5.307 | 3.32 | ci3102951 |
| 1993-04-27T07:18:09.450Z | 34.065 | -117.275 | 15.053 | 3.27 | ci3102466 |
| 1993-04-17T12:55:45.420Z | 34.097 | -116.439 | 8.367 | 3.01 | ci3101253 |
| 1993-04-17T12:43:03.060Z | 34.095 | -116.44 | 9.797 | 3.73 | ci3101250 |

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|---|---|---|---|---|---|
| 1993-04-16T14:35:22.510Z | 34.004 | -116.32 | 4.765 | 3.09 | ci3101127 |
| 1993-04-12T11:18:32.850Z | 34.143 | -116.875 | 4.399 | 3.31 | ci3100228 |
| 1993-04-12T08:32:27.460Z | 34.143 | -116.877 | 6.799 | 3.23 | ci3100215 |
| 1993-04-11T19:47:43.540Z | 34.143 | -116.875 | 6.049 | 3.08 | ci3100174 |
| 1993-04-08T20:19:33.760Z | 34.023 | -116.323 | 10.218 | 3.15 | ci3099838 |
| 1993-03-22T15:41:42.710Z | 33.49 | -116.401 | 10.552 | 3.14 | ci3097155 |
| 1993-03-22T13:08:16.910Z | 34.468 | -116.508 | 1.139 | 3.33 | ci3097141 |
| 1993-03-20T06:56:55.360Z | 34.012 | -117.22 | 8.305 | 3.81 | ci3096843 |
| 1993-03-16T07:50:13.540Z | 34.224 | -116.757 | 0.414 | 3.54 | ci3096210 |
| 1993-03-08T09:09:02.110Z | 33.997 | -117.207 | 11.835 | 3.01 | ci3095148 |
| 1993-02-21T08:57:12.440Z | 34.168 | -116.429 | 6.647 | 3.11 | ci3093261 |
| 1993-02-19T17:36:27.400Z | 34.306 | -116.858 | 1.364 | 3.08 | ci3093087 |
| 1993-02-15T07:59:33.170Z | 34.405 | -116.464 | 4.678 | 4.19 | ci3092410 |
| 1993-02-10T17:00:38.250Z | 34.389 | -116.453 | 4.678 | 3.23 | ci3091929 |
| 1993-02-09T20:24:47.090Z | 34.499 | -116.527 | 7.081 | 3.06 | ci3091843 |
| 1993-02-01T06:01:39.730Z | 34.237 | -116.804 | 0.411 | 3.17 | ci3089961 |
| 1993-01-31T11:56:32.260Z | 33.754 | -116.134 | 1.548 | 3.47 | ci3089876 |
| 1993-01-26T01:27:13.980Z | 33.965 | -116.337 | 4.769 | 3.21 | ci3089241 |
| 1993-01-18T14:59:41.510Z | 33.2 | -115.596 | 4.433 | 3.06 | ci3088360 |
| 1993-01-18T11:55:33.690Z | 34.61 | -116.637 | 7.491 | 3.56 | ci3088355 |
| 1993-01-18T09:30:33.540Z | 34.613 | -116.635 | 3.841 | 3.51 | ci3088341 |
| 1993-01-13T07:02:37.430Z | 34.106 | -116.641 | 2.373 | 3.03 | ci3087578 |
| 1993-01-13T02:05:02.660Z | 34.047 | -116.702 | 8.829 | 3.08 | ci3087547 |
| 1993-01-11T05:51:29.180Z | 34.391 | -116.462 | 1.795 | 3 | ci3087242 |
| 1993-01-04T00:32:23.040Z | 34.288 | -116.773 | 4.234 | 3.8 | ci3086020 |
| 1993-01-03T11:46:41.130Z | 34.61 | -116.637 | 1.651 | 3 | ci3085949 |
| 1992-12-31T07:49:10.600Z | 34.267 | -116.451 | -0.29 | 3.22 | ci3085547 |
| 1992-12-29T05:45:32.810Z | 33.489 | -116.486 | 9.416 | 4.01 | ci3085286 |
| 1992-12-28T18:00:29.200Z | 33.946 | -116.306 | 3.819 | 3.72 | ci3085227 |
| 1992-12-28T17:51:20.890Z | 33.947 | -116.307 | 3.669 | 3.33 | ci3085226 |
| 1992-12-27T20:45:39.640Z | 34.267 | -116.458 | -0.38 | 3.02 | ci3085101 |
| 1992-12-27T00:18:38.000Z | 34.352 | -116.894 | 2.851 | 3.79 | ci3084992 |
| 1992-12-25T22:15:27.160Z | 33.96 | -116.329 | 4.709 | 3.1 | ci3084841 |
| 1992-12-21T13:39:27.000Z | 34.233 | -116.74 | -0.489 | 3.38 | ci3084163 |
| 1992-12-21T11:44:02.890Z | 34.092 | -116.415 | 2.667 | 3.89 | ci3084155 |
| 1992-12-16T09:55:56.200Z | 34.625 | -116.546 | 2.15 | 3.24 | ci3083389 |
| 1992-12-15T20:07:02.940Z | 34.335 | -116.887 | 1.131 | 3.24 | ci3083299 |
| 1992-12-13T05:30:58.390Z | 34.016 | -116.345 | 0.431 | 3.21 | ci3082942 |
| 1992-12-12T00:31:44.420Z | 34.357 | -116.896 | 2.941 | 3.51 | ci3082801 |
| 1992-12-11T01:38:34.210Z | 34.271 | -116.404 | 1.81 | 4.12 | ci3082658 |
| 1992-12-10T18:23:34.260Z | 34.15 | -116.415 | 2.937 | 3.51 | ci3082607 |
| 1992-12-09T19:47:07.550Z | 34.309 | -116.433 | 6.27 | 3.33 | ci3082466 |
| 1992-12-09T19:16:07.360Z | 34.311 | -116.427 | 5.776 | 3.01 | ci3082461 |

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|---|---|---|---|---|---|
| 1992-12-09T09:28:35.010Z | 34.244 | -116.428 | 1.847 | 3.05 | ci3082401 |
| 1992-12-09T03:39:34.500Z | 34.354 | -116.904 | 2.235 | 3.17 | ci3082362 |
| 1992-12-08T20:06:35.380Z | 34.515 | -116.535 | -1.382 | 3.08 | ci3082298 |
| 1992-12-08T02:58:44.910Z | 33.884 | -116.286 | 6.401 | 3.48 | ci3082179 |
| 1992-12-07T07:58:57.230Z | 34.362 | -116.917 | -0.576 | 3.03 | ci3082027 |
| 1992-12-07T03:33:31.470Z | 34.362 | -116.924 | -0.571 | 4.03 | ci3081990 |
| 1992-12-07T03:31:02.160Z | 34.363 | -116.929 | -0.811 | 3.1 | ci3081989 |
| 1992-12-07T00:49:23.580Z | 34.378 | -116.902 | 1.689 | 3.21 | ci3081964 |
| 1992-12-06T02:40:50.800Z | 34.148 | -116.428 | 4.307 | 3.23 | ci3081812 |
| 1992-12-05T05:20:35.590Z | 34.363 | -116.922 | 1.419 | 3.09 | ci3081659 |
| 1992-12-04T12:59:42.110Z | 34.361 | -116.914 | -0.981 | 4.24 | ci3081531 |
| 1992-12-04T05:25:11.210Z | 34.377 | -116.918 | 1.011 | 4.66 | ci3081464 |
| 1992-12-04T05:25:07.440Z | 34.373 | -116.912 | 1.985 | 4.61 | ci3081485 |
| 1992-12-04T03:25:41.780Z | 34.372 | -116.908 | -0.085 | 3.08 | ci3081425 |
| 1992-12-04T02:19:11.610Z | 34.371 | -116.918 | -0.171 | 3 | ci3081411 |
| 1992-12-04T02:13:48.520Z | 34.36 | -116.922 | -0.711 | 3.05 | ci3081406 |
| 1992-12-04T02:13:46.050Z | 34.361 | -116.899 | 2.715 | 3.29 | ci3081434 |
| 1992-12-04T02:08:57.500Z | 34.369 | -116.898 | 1.325 | 5.26 | ci3081404 |
| 1992-12-02T05:42:06.220Z | 34.356 | -116.901 | 2.809 | 3.18 | ci3081027 |
| 1992-11-30T15:29:38.730Z | 34.364 | -116.89 | 1.769 | 3.2 | ci3080554 |
| 1992-11-30T03:06:06.370Z | 34.015 | -117.107 | 7.912 | 3.13 | ci3080494 |
| 1992-11-29T23:53:27.740Z | 34.353 | -116.903 | 2.237 | 3.22 | ci3080469 |
| 1992-11-29T21:02:53.990Z | 34.146 | -116.878 | 7.53 | 3.49 | ci3080450 |
| 1992-11-29T14:21:20.510Z | 34.371 | -116.88 | 1.716 | 3.99 | ci3080406 |
| 1992-11-29T00:15:04.950Z | 34.364 | -116.923 | -1.673 | 3.45 | ci3080328 |
| 1992-11-28T15:56:49.470Z | 34.353 | -116.88 | 0.993 | 3.04 | ci3080254 |
| 1992-11-28T12:18:22.640Z | 34.39 | -116.458 | 4.196 | 3.05 | ci3080219 |
| 1992-11-28T00:24:43.860Z | 34.363 | -116.916 | 0.008 | 3.23 | ci3080157 |
| 1992-11-28T00:24:29.240Z | 34.368 | -116.882 | 1.698 | 3.18 | ci3080124 |
| 1992-11-27T23:15:45.410Z | 34.37 | -116.882 | 1.548 | 3.4 | ci3080102 |
| 1992-11-27T22:38:26.060Z | 34.35 | -116.887 | -0.322 | 3.29 | ci3080094 |
| 1992-11-27T20:15:20.490Z | 34.345 | -116.904 | 1.088 | 3.56 | ci3080045 |
| 1992-11-27T19:34:37.910Z | 34.346 | -116.905 | 0.813 | 3.12 | ci3080143 |
| 1992-11-27T18:39:18.520Z | 34.367 | -116.907 | 1.088 | 3.46 | ci3080024 |
| 1992-11-27T18:37:49.190Z | 34.361 | -116.908 | 1.268 | 3.32 | ci3080023 |
| 1992-11-27T18:33:01.700Z | 34.37 | -116.916 | -1.707 | 3.38 | ci3080118 |
| 1992-11-27T18:32:24.960Z | 34.364 | -116.905 | -0.772 | 4.15 | ci3080022 |
| 1992-11-27T18:30:39.030Z | 34.34 | -116.898 | -0.242 | 3.2 | ci3080021 |
| 1992-11-27T18:03:35.720Z | 34.339 | -116.896 | -1.432 | 3 | ci3079938 |
| 1992-11-27T17:38:45.620Z | 34.365 | -116.887 | 1.698 | 3.16 | ci3080074 |
| 1992-11-27T16:27:50.440Z | 34.338 | -116.894 | 0.308 | 3.12 | ci3079921 |
| 1992-11-27T16:23:48.050Z | 34.356 | -116.891 | 2.128 | 3.55 | ci3079920 |
| 1992-11-27T16:17:30.080Z | 34.345 | -116.915 | -1.446 | 3.19 | ci3080044 |

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|---|---|---|---|---|---|
| 1992-11-27T16:17:15.570Z | 34.339 | -116.897 | 0.728 | 3.18 | ci3079919 |
| 1992-11-27T16:11:53.760Z | 34.364 | -116.884 | 1.488 | 3.41 | ci3079951 |
| 1992-11-27T16:11:11.550Z | 34.363 | -116.886 | 1.818 | 3.57 | ci3079918 |
| 1992-11-27T16:00:57.490Z | 34.34 | -116.9 | -0.402 | 5.29 | ci3079915 |
| 1992-11-25T07:50:34.990Z | 34.163 | -116.422 | 0.157 | 3.8 | ci3079557 |
| 1992-11-24T09:06:26.990Z | 34.144 | -116.881 | 7.76 | 3.84 | ci3079392 |
| 1992-11-24T02:24:06.140Z | 34.062 | -116.367 | 2.397 | 3.07 | ci3079361 |
| 1992-11-23T10:50:15.680Z | 34.338 | -116.904 | 0.718 | 3.33 | ci3079249 |
| 1992-11-23T09:07:36.310Z | 34.336 | -116.904 | -0.347 | 3.27 | ci3079240 |
| 1992-11-23T06:07:59.350Z | 34.406 | -116.469 | 2.316 | 3 | ci3079235 |
| 1992-11-18T14:10:11.600Z | 34.008 | -117.106 | 11.712 | 3.72 | ci3078242 |
| 1992-11-18T06:13:01.920Z | 34.509 | -116.519 | 4.794 | 3.01 | ci3078199 |
| 1992-11-11T08:41:28.100Z | 34.038 | -116.356 | -0.789 | 3.07 | ci3075775 |
| 1992-11-10T02:24:47.550Z | 33.283 | -116.272 | 0.447 | 3.34 | ci3075564 |
| 1992-11-09T18:55:18.530Z | 34.218 | -116.447 | 2.227 | 3.27 | ci3075482 |
| 1992-11-06T14:47:03.340Z | 34.004 | -116.747 | 17.621 | 3.86 | ci3074958 |
| 1992-10-31T15:53:40.620Z | 33.974 | -116.927 | 3.165 | 3.04 | ci3073837 |
| 1992-10-28T14:51:55.670Z | 34.01 | -116.32 | 4.205 | 3.05 | ci3073285 |
| 1992-10-28T07:51:21.920Z | 34.332 | -116.459 | 7.246 | 3.51 | ci3073242 |
| 1992-10-24T14:23:24.750Z | 34.406 | -116.511 | -0.424 | 3.2 | ci3072528 |
| 1992-10-23T14:15:53.410Z | 34.569 | -116.307 | 4.779 | 3.09 | ci3072343 |
| 1992-10-22T17:51:20.840Z | 33.964 | -116.337 | 4.979 | 3.44 | ci3072175 |
| 1992-10-22T16:21:08.600Z | 34.304 | -116.449 | -0.33 | 3.33 | ci3072162 |
| 1992-10-22T08:39:29.180Z | 33.703 | -117.464 | 9.586 | 3.81 | ci3072095 |
| 1992-10-22T04:23:53.160Z | 33.943 | -116.31 | 4.299 | 3.32 | ci3072062 |
| 1992-10-20T00:25:44.400Z | 34.256 | -116.435 | 3.887 | 3.33 | ci3071654 |
| 1992-10-18T03:07:18.710Z | 34.356 | -116.452 | -1.374 | 3.3 | ci3071282 |
| 1992-10-16T19:58:16.990Z | 34.606 | -116.33 | -1.154 | 3.4 | ci3071007 |
| 1992-10-13T15:57:03.040Z | 34.625 | -116.669 | 6.148 | 3.42 | ci3070374 |
| 1992-10-13T08:07:17.980Z | 34.577 | -116.321 | 4.779 | 3.11 | ci3070319 |
| 1992-10-07T17:26:17.330Z | 33.189 | -115.603 | 3.157 | 3.04 | ci3069332 |
| 1992-10-06T21:32:04.120Z | 34.198 | -116.436 | 0.167 | 3.75 | ci3069069 |
| 1992-10-05T23:16:03.100Z | 34.371 | -116.43 | 1.476 | 3.27 | ci3068824 |
| 1992-10-05T10:06:26.660Z | 34.415 | -116.482 | -0.124 | 3.66 | ci3068696 |
| 1992-10-02T21:42:18.040Z | 34.035 | -117.187 | 5.411 | 3.17 | ci2060135 |
| 1992-10-02T15:49:56.170Z | 33.973 | -116.385 | 7.658 | 3.04 | ci3068133 |
| 1992-10-02T12:12:14.120Z | 34.604 | -116.628 | 2.156 | 3.24 | ci3068081 |
| 1992-10-02T07:19:57.340Z | 34.601 | -116.636 | 2.014 | 4.59 | ci3068003 |
| 1992-09-29T22:16:46.320Z | 34.059 | -116.374 | 0.107 | 3.82 | ci3067508 |
| 1992-09-28T12:07:26.220Z | 34.127 | -116.398 | -0.003 | 3.55 | ci3067202 |
| 1992-09-27T17:44:23.360Z | 34.165 | -116.413 | -0.603 | 3.01 | ci3067049 |
| 1992-09-24T21:44:26.800Z | 34.338 | -116.674 | -1.516 | 3.22 | ci3066432 |
| 1992-09-22T13:21:51.420Z | 34.139 | -116.598 | -0.161 | 3 | ci3065839 |

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|---|---|---|---|---|---|
| 1992-09-22T01:43:10.320Z | 34.554 | -116.529 | 2.917 | 3 | ci3065738 |
| 1992-09-20T14:19:33.370Z | 33.91 | -116.769 | 17.433 | 3.47 | ci3065257 |
| 1992-09-18T16:59:51.790Z | 34.556 | -116.551 | 2.264 | 3.82 | ci3064606 |
| 1992-09-18T12:54:33.850Z | 34.057 | -116.376 | 5.407 | 3.73 | ci3064608 |
| 1992-09-18T12:53:35.510Z | 34.052 | -116.384 | 0.373 | 3.83 | ci3064607 |
| 1992-09-18T12:51:54.320Z | 34.051 | -116.384 | 0.383 | 3.91 | ci3064484 |
| 1992-09-18T10:52:58.930Z | 34.053 | -116.387 | 0.233 | 3.35 | ci3064456 |
| 1992-09-17T11:22:32.920Z | 34.413 | -116.46 | 8.196 | 3.76 | ci3064031 |
| 1992-09-16T14:31:03.870Z | 34.273 | -116.476 | 5.55 | 3.18 | ci3063266 |
| 1992-09-16T12:27:22.020Z | 34.054 | -116.387 | -0.097 | 3.72 | ci3063225 |
| 1992-09-15T09:44:50.400Z | 34.055 | -116.387 | -0.167 | 3.02 | ci3062589 |
| 1992-09-15T09:34:03.470Z | 34.07 | -116.361 | -0.963 | 3 | ci3062582 |
| 1992-09-15T08:47:11.300Z | 34.064 | -116.361 | 7.177 | 5.26 | ci3062563 |
| 1992-09-13T23:16:59.050Z | 33.977 | -116.272 | 4.495 | 3.17 | ci3062115 |
| 1992-09-13T13:33:49.910Z | 33.893 | -116.285 | 7.641 | 3.18 | ci3062012 |
| 1992-09-09T23:04:55.840Z | 34.298 | -116.456 | 4.25 | 3.01 | ci3061077 |
| 1992-09-09T14:01:28.430Z | 33.946 | -116.334 | 5.109 | 3.26 | ci3060943 |
| 1992-09-09T12:52:56.220Z | 33.951 | -116.333 | 4.419 | 3.56 | ci3060966 |
| 1992-09-09T12:50:45.140Z | 33.947 | -116.33 | 4.549 | 4.32 | ci3060932 |
| 1992-09-09T04:17:11.220Z | 33.994 | -116.346 | 0.381 | 3.06 | ci3060882 |
| 1992-09-08T18:28:17.490Z | 34.515 | -116.536 | -0.679 | 3.08 | ci3060666 |
| 1992-09-08T03:44:49.860Z | 34.109 | -116.982 | 2.473 | 3.43 | ci3060527 |
| 1992-09-07T23:50:59.680Z | 34.233 | -116.84 | 0.991 | 3.32 | ci3060492 |
| 1992-09-06T22:16:53.680Z | 34.026 | -117.195 | 5.361 | 3.18 | ci3060243 |
| 1992-09-06T17:51:06.690Z | 34.023 | -117.192 | 5.231 | 3.56 | ci3060198 |
| 1992-09-06T02:56:11.460Z | 34.454 | -116.532 | 3.004 | 3.44 | ci3060041 |
| 1992-09-05T23:43:14.400Z | 34.257 | -116.437 | 1.957 | 3.3 | ci3060005 |
| 1992-09-05T03:29:27.120Z | 34.095 | -116.415 | 2.537 | 3.93 | ci3059832 |
| 1992-09-03T06:17:38.450Z | 34.372 | -116.442 | 2.106 | 3.8 | ci3059381 |
| 1992-09-02T09:28:21.440Z | 34.117 | -116.99 | 2.805 | 3.08 | ci3058939 |
| 1992-09-02T00:48:41.760Z | 34.327 | -116.46 | 1.566 | 3.16 | ci3058844 |
| 1992-09-01T21:17:57.890Z | 34.267 | -116.769 | 1.023 | 3.16 | ci3058874 |
| 1992-09-01T12:17:24.810Z | 34.597 | -116.324 | -1.144 | 3.9 | ci3059325 |
| 1992-08-31T09:25:40.630Z | 34.455 | -116.47 | 9.616 | 4.36 | ci3058571 |
| 1992-08-30T11:06:35.700Z | 34.326 | -116.683 | -1.506 | 3.03 | ci3058362 |
| 1992-08-28T19:05:05.220Z | 34.627 | -116.555 | 2.35 | 3.03 | ci3057974 |
| 1992-08-28T13:26:11.840Z | 34.429 | -116.523 | 2.394 | 3.03 | ci3057928 |
| 1992-08-28T06:24:20.980Z | 34.604 | -116.635 | 2.32 | 3.17 | ci3057856 |
| 1992-08-28T03:20:05.210Z | 34.274 | -116.773 | -0.437 | 3.03 | ci3057821 |
| 1992-08-26T13:50:49.650Z | 34.106 | -116.985 | 2.503 | 3.4 | ci3057380 |
| 1992-08-26T13:21:57.470Z | 34.06 | -116.368 | -1.093 | 3.83 | ci3057371 |
| 1992-08-24T18:21:42.480Z | 34.277 | -116.777 | -0.309 | 3.45 | ci3056869 |
| 1992-08-24T16:45:33.200Z | 34.184 | -116.808 | 7.687 | 3.32 | ci3056839 |

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|---|---|---|---|---|---|
| 1992-08-24T13:51:46.040Z | 34.274 | -116.774 | -0.187 | 4.29 | ci3056815 |
| 1992-08-24T05:47:44.110Z | 34.267 | -116.408 | 0.09 | 3.06 | ci3056936 |
| 1992-08-23T18:50:59.220Z | 34.161 | -116.819 | 5.37 | 3.17 | ci3056626 |
| 1992-08-23T17:49:31.560Z | 34.123 | -116.735 | 8.802 | 3.37 | ci3056618 |
| 1992-08-23T13:46:24.640Z | 34.111 | -116.989 | 1.983 | 3.04 | ci3056859 |
| 1992-08-23T07:36:06.180Z | 34.142 | -116.838 | 4.399 | 3.08 | ci3056516 |
| 1992-08-23T05:30:23.100Z | 34.218 | -116.776 | -0.077 | 3.39 | ci3056494 |
| 1992-08-23T02:55:11.590Z | 34.215 | -116.737 | 0.313 | 3.24 | ci3056472 |
| 1992-08-22T01:52:59.820Z | 34.109 | -116.985 | 2.243 | 3.33 | ci3056221 |
| 1992-08-22T00:17:08.800Z | 34.188 | -116.787 | -0.627 | 3.06 | ci3056210 |
| 1992-08-21T19:46:06.580Z | 34.042 | -116.909 | 15.975 | 3.02 | ci3056164 |
| 1992-08-19T07:50:12.260Z | 34.414 | -116.509 | 2.356 | 3.21 | ci3055470 |
| 1992-08-19T03:10:07.360Z | 34.497 | -116.519 | -0.302 | 3.07 | ci3055426 |
| 1992-08-18T09:46:40.730Z | 34.197 | -116.862 | 10.33 | 4.14 | ci3055197 |
| 1992-08-17T22:04:28.060Z | 34.052 | -116.385 | 0.383 | 3.21 | ci3055149 |
| 1992-08-17T21:25:47.600Z | 34.195 | -116.869 | 9.03 | 3.35 | ci3055037 |
| 1992-08-17T21:01:33.510Z | 34.194 | -116.877 | 10.19 | 3.61 | ci3055035 |
| 1992-08-17T20:55:27.690Z | 34.2 | -116.875 | 10.04 | 3.09 | ci3055033 |
| 1992-08-17T20:41:52.120Z | 34.195 | -116.863 | 9.44 | 5.23 | ci3055028 |
| 1992-08-17T18:39:54.960Z | 34.122 | -116.395 | 0.417 | 3.29 | ci3055006 |
| 1992-08-17T12:49:42.020Z | 34.089 | -116.431 | 0.247 | 3.03 | ci3054931 |
| 1992-08-16T06:30:59.510Z | 34.03 | -116.678 | 8.692 | 3.72 | ci3054583 |
| 1992-08-16T06:15:51.000Z | 34.42 | -116.478 | 1.574 | 3.19 | ci3054581 |
| 1992-08-15T19:09:06.210Z | 34.114 | -116.991 | 3.023 | 3.47 | ci3054427 |
| 1992-08-15T18:18:06.180Z | 34.116 | -116.989 | 2.513 | 3.65 | ci3054415 |
| 1992-08-15T16:47:30.650Z | 34.609 | -116.639 | 4.94 | 3.15 | ci3054396 |
| 1992-08-15T09:27:13.230Z | 34.091 | -116.402 | -0.873 | 3.29 | ci3054302 |
| 1992-08-15T08:54:34.380Z | 34.42 | -116.479 | 7.456 | 3.35 | ci3054300 |
| 1992-08-15T08:24:14.660Z | 34.087 | -116.403 | -0.546 | 4.73 | ci3054293 |
| 1992-08-15T07:37:31.370Z | 34.358 | -116.456 | -0.744 | 3.06 | ci3054283 |
| 1992-08-15T02:57:22.370Z | 34.445 | -116.493 | -0.089 | 3.17 | ci3054212 |
| 1992-08-15T00:19:22.570Z | 33.93 | -116.306 | 3.881 | 3.54 | ci3054179 |
| 1992-08-14T23:25:01.910Z | 34.417 | -116.504 | 0.043 | 3.15 | ci3054168 |
| 1992-08-14T14:43:44.500Z | 34.09 | -116.369 | -0.01 | 3.91 | ci3054010 |
| 1992-08-14T10:50:10.390Z | 34.104 | -116.443 | 7.853 | 3.24 | ci3054091 |
| 1992-08-14T01:31:06.530Z | 34.232 | -116.853 | 9.053 | 3.04 | ci3053850 |
| 1992-08-13T19:53:41.230Z | 34.619 | -116.662 | 3.091 | 3.19 | ci3053775 |
| 1992-08-13T09:45:23.800Z | 34.643 | -116.519 | 4.417 | 3.16 | ci3053660 |
| 1992-08-13T08:14:22.370Z | 34.623 | -116.666 | 4.291 | 3.26 | ci3053652 |
| 1992-08-13T07:25:26.480Z | 34.115 | -116.987 | 2.833 | 3.13 | ci3053641 |
| 1992-08-12T15:12:01.650Z | 34.112 | -116.992 | 2.855 | 3.42 | ci3053417 |
| 1992-08-12T03:26:36.480Z | 33.069 | -116.612 | 5.132 | 3.42 | ci3053268 |
| 1992-08-12T03:26:21.710Z | 33.066 | -116.615 | 14.266 | 3.23 | ci3053239 |

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|---|---|---|---|---|---|
| 1992-08-11T23:27:29.500Z | 34.248 | -116.433 | 2.507 | 3.59 | ci3053192 |
| 1992-08-11T23:08:25.000Z | 34.247 | -116.434 | 2.077 | 3.51 | ci3053187 |
| 1992-08-11T11:28:39.550Z | 34.625 | -116.609 | 3.665 | 3.38 | ci3053037 |
| 1992-08-11T06:11:17.250Z | 34.06 | -116.374 | -0.374 | 4.3 | ci3052987 |
| 1992-08-08T15:37:43.340Z | 34.376 | -116.459 | 1.384 | 4.57 | ci3052180 |
| 1992-08-07T19:04:08.530Z | 34.219 | -116.744 | 0.737 | 3.42 | ci3051871 |
| 1992-08-07T02:11:33.010Z | 34.112 | -116.394 | -1.014 | 3.13 | ci3051641 |
| 1992-08-07T02:04:24.710Z | 34.115 | -116.391 | -0.049 | 3.07 | ci3051639 |
| 1992-08-07T00:43:28.390Z | 34.269 | -116.774 | 0.107 | 3.93 | ci3051614 |
| 1992-08-06T17:23:07.820Z | 34.602 | -116.574 | 8.055 | 3.51 | ci3051512 |
| 1992-08-06T14:49:18.790Z | 34.628 | -116.629 | 7.085 | 3.11 | ci3051283 |
| 1992-08-06T13:14:43.100Z | 34.344 | -116.454 | 2.88 | 3 | ci3051256 |
| 1992-08-05T20:03:56.520Z | 34.271 | -116.869 | 3.467 | 3.15 | ci3051038 |
| 1992-08-05T17:26:10.950Z | 34.098 | -116.45 | 7.398 | 3.56 | ci3051004 |
| 1992-08-05T17:00:18.800Z | 34.515 | -116.518 | 3.904 | 3.17 | ci3051001 |
| 1992-08-05T15:41:54.370Z | 34.646 | -116.53 | 3.107 | 4.09 | ci3051552 |
| 1992-08-05T15:05:07.530Z | 34.039 | -116.358 | 0.233 | 3.21 | ci3051130 |
| 1992-08-05T13:01:53.610Z | 33.195 | -115.602 | 4.4 | 3.05 | ci3050943 |
| 1992-08-05T12:49:06.400Z | 34.04 | -116.362 | 0.286 | 3.24 | ci3050942 |
| 1992-08-04T21:53:23.060Z | 34.085 | -116.381 | -0.896 | 3.07 | ci3050700 |
| 1992-08-04T19:06:12.290Z | 34.102 | -116.384 | -0.925 | 4 | ci3050647 |
| 1992-08-04T05:50:27.460Z | 33.951 | -116.853 | 6.55 | 3.05 | ci3050459 |
| 1992-08-01T14:40:53.060Z | 34.366 | -116.457 | -0.274 | 3.29 | ci3049586 |
| 1992-08-01T08:38:16.460Z | 33.947 | -116.311 | 3.719 | 3.01 | ci3049510 |
| 1992-08-01T04:57:06.930Z | 34.12 | -116.394 | 0.407 | 3.3 | ci3049458 |
| 1992-07-31T22:37:16.950Z | 34.325 | -116.456 | 5.74 | 3.55 | ci3049370 |
| 1992-07-31T18:21:18.760Z | 34.104 | -116.42 | -0.783 | 3.1 | ci3049303 |
| 1992-07-31T18:03:52.400Z | 34.099 | -116.42 | -0.883 | 3.97 | ci3049302 |
| 1992-07-31T16:31:01.840Z | 34.337 | -116.899 | -0.108 | 3.52 | ci3049275 |
| 1992-07-31T11:29:54.160Z | 34.444 | -116.457 | 2.102 | 3.48 | ci3049214 |
| 1992-07-31T10:51:25.900Z | 34.129 | -116.876 | 4.413 | 3.25 | ci3049208 |
| 1992-07-31T06:20:19.350Z | 34.04 | -116.354 | -0.381 | 3.01 | ci3049155 |
| 1992-07-30T21:08:20.910Z | 33.941 | -116.357 | 6.459 | 3.43 | ci3049019 |
| 1992-07-30T20:59:51.800Z | 33.918 | -116.297 | 2.209 | 3.02 | ci3049016 |
| 1992-07-30T07:40:15.360Z | 34.393 | -116.458 | 2.126 | 3.1 | ci3048833 |
| 1992-07-29T16:48:59.200Z | 34.353 | -116.468 | 5.116 | 3.05 | ci3048571 |
| 1992-07-29T13:34:43.730Z | 34.203 | -116.863 | 0.75 | 3.27 | ci3048929 |
| 1992-07-29T13:33:22.600Z | 34.326 | -116.452 | 0.184 | 3.48 | ci3048508 |
| 1992-07-29T07:43:59.760Z | 34.628 | -116.664 | 1.888 | 3.11 | ci3048415 |
| 1992-07-29T01:04:08.720Z | 34.117 | -116.419 | -0.903 | 3.1 | ci3048307 |
| 1992-07-29T00:32:40.910Z | 34.048 | -116.403 | 3.403 | 3.14 | ci3048298 |
| 1992-07-28T18:27:03.900Z | 34.112 | -116.415 | -0.893 | 4.6 | ci3048163 |
| 1992-07-28T17:41:08.970Z | 34.447 | -116.484 | 0.056 | 3.01 | ci3048156 |

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|---|---|---|---|---|---|
| 1992-07-28T05:40:10.340Z | 34.351 | -116.448 | -1.166 | 3.15 | ci3047956 |
| 1992-07-27T22:17:14.880Z | 34.294 | -116.864 | 3.865 | 3.26 | ci3047843 |
| 1992-07-27T11:12:13.850Z | 34.24 | -116.836 | 1.553 | 3.07 | ci3047641 |
| 1992-07-26T19:26:02.680Z | 34.314 | -116.451 | 4.136 | 3.27 | ci3047800 |
| 1992-07-26T11:19:58.200Z | 33.9 | -116.282 | 5.551 | 3.05 | ci3047296 |
| 1992-07-25T17:02:20.240Z | 33.941 | -116.304 | 4.171 | 3.86 | ci3047019 |
| 1992-07-25T12:41:42.550Z | 33.901 | -116.289 | 5.181 | 3.07 | ci3046937 |
| 1992-07-25T10:27:10.390Z | 34.267 | -116.917 | 3.494 | 3.85 | ci3046907 |
| 1992-07-25T08:21:40.390Z | 34.111 | -116.919 | 4.373 | 3.45 | ci3047103 |
| 1992-07-25T06:35:54.590Z | 34.194 | -116.431 | -1.123 | 3.18 | ci3046851 |
| 1992-07-25T04:31:59.930Z | 33.937 | -116.306 | 3.701 | 4.83 | ci3046818 |
| 1992-07-25T04:11:47.350Z | 34.08 | -116.377 | -0.886 | 3.21 | ci3046816 |
| 1992-07-25T00:35:29.190Z | 34.272 | -116.726 | -0.194 | 3.14 | ci3046765 |
| 1992-07-24T22:31:49.340Z | 34.28 | -116.777 | 0.855 | 3.22 | ci3046731 |
| 1992-07-24T18:21:24.230Z | 33.902 | -116.286 | 7.814 | 3.34 | ci3046662 |
| 1992-07-24T18:16:53.280Z | 33.904 | -116.289 | 6.371 | 3.38 | ci3047952 |
| 1992-07-24T18:14:36.250Z | 33.901 | -116.285 | 7.214 | 4.96 | ci3046661 |
| 1992-07-24T12:26:10.180Z | 34.193 | -116.868 | 2.497 | 3.11 | ci3046563 |
| 1992-07-24T07:23:56.070Z | 34.488 | -116.484 | 7.182 | 3.98 | ci3046496 |
| 1992-07-24T06:37:37.740Z | 34.324 | -116.637 | 1.888 | 3.03 | ci3046488 |
| 1992-07-23T23:05:07.950Z | 34.085 | -116.855 | 1.252 | 3.41 | ci3046349 |
| 1992-07-23T22:42:06.170Z | 34.084 | -116.854 | 1.122 | 3.18 | ci3046344 |
| 1992-07-23T12:51:06.510Z | 34.063 | -116.41 | -0.907 | 3.01 | ci3046169 |
| 1992-07-23T07:37:25.640Z | 34.174 | -116.806 | 3.663 | 3.51 | ci3046103 |
| 1992-07-23T02:08:12.050Z | 34.136 | -116.865 | 10.02 | 3.14 | ci3046010 |
| 1992-07-22T18:56:37.580Z | 34.306 | -116.996 | 5.447 | 3.13 | ci3045879 |
| 1992-07-22T10:41:58.000Z | 34.111 | -116.918 | 4.015 | 3.1 | ci3045738 |
| 1992-07-22T07:10:04.300Z | 34.313 | -116.48 | 0.807 | 3.02 | ci3045683 |
| 1992-07-22T05:28:55.320Z | 34.573 | -116.546 | 3.782 | 3.08 | ci3045652 |
| 1992-07-22T04:13:56.490Z | 34.349 | -116.482 | -1.048 | 3.08 | ci3045630 |
| 1992-07-21T23:22:10.150Z | 34.133 | -116.603 | 0.565 | 4.11 | ci3045548 |
| 1992-07-21T21:12:45.040Z | 34.217 | -116.772 | 0.05 | 3.25 | ci3045554 |
| 1992-07-21T21:10:29.020Z | 34.219 | -116.771 | -0.1 | 4 | ci3045519 |
| 1992-07-21T18:00:50.780Z | 33.941 | -116.346 | 3.398 | 3.41 | ci3045453 |
| 1992-07-21T13:30:01.730Z | 34.15 | -116.848 | 10.194 | 3.54 | ci3045384 |
| 1992-07-20T23:04:11.680Z | 34.511 | -116.53 | 5.045 | 3.27 | ci3045146 |
| 1992-07-20T08:45:49.000Z | 34.055 | -116.38 | 2.08 | 3.25 | ci3044960 |
| 1992-07-20T07:10:13.650Z | 34.282 | -116.444 | 5.045 | 3.58 | ci3044944 |
| 1992-07-20T06:16:34.090Z | 34.113 | -116.724 | 9.858 | 3.44 | ci3044929 |
| 1992-07-20T04:08:23.020Z | 34.195 | -116.431 | 5.051 | 4.14 | ci3044893 |
| 1992-07-19T16:22:50.050Z | 34.54 | -116.542 | 2.837 | 3 | ci3044748 |
| 1992-07-18T22:14:04.970Z | 34.278 | -116.731 | -0.665 | 3.02 | ci3044484 |
| 1992-07-18T20:09:05.230Z | 34.317 | -116.413 | 5.067 | 3.11 | ci3044455 |

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|---|---|---|---|---|---|
| 1992-07-18T12:00:52.450Z | 34.408 | -116.425 | -0.598 | 3.27 | ci3044333 |
| 1992-07-18T01:01:15.060Z | 34.099 | -116.401 | 2.671 | 3.51 | ci3044172 |
| 1992-07-18T00:36:16.960Z | 34.067 | -116.385 | 2.105 | 3.4 | ci3044169 |
| 1992-07-18T00:06:11.240Z | 34.096 | -116.418 | 1.661 | 3.95 | ci3044164 |
| 1992-07-17T21:38:31.470Z | 34.544 | -116.544 | 3.86 | 3.15 | ci3044119 |
| 1992-07-17T17:46:41.960Z | 34.031 | -116.431 | 7.763 | 3.21 | ci3044058 |
| 1992-07-17T17:04:51.960Z | 34.476 | -116.506 | 2.526 | 3.03 | ci3044040 |
| 1992-07-16T17:19:17.380Z | 34.443 | -116.454 | 1.651 | 3.77 | ci3043567 |
| 1992-07-16T16:36:25.960Z | 34.442 | -116.535 | 2.532 | 3.47 | ci3043767 |
| 1992-07-16T16:36:22.220Z | 34.442 | -116.526 | 4.111 | 3.86 | ci3043540 |
| 1992-07-16T11:38:48.390Z | 34.141 | -116.721 | 4.58 | 3.27 | ci3043457 |
| 1992-07-16T11:38:11.660Z | 33.882 | -116.247 | 4.025 | 3.48 | ci3045626 |
| 1992-07-16T05:45:38.560Z | 34.073 | -116.385 | 7.567 | 3.15 | ci3119065 |
| 1992-07-16T02:16:24.010Z | 34.625 | -116.633 | 1.555 | 3.05 | ci3044095 |
| 1992-07-16T01:39:27.780Z | 33.937 | -116.31 | 0.719 | 3.56 | ci3043301 |
| 1992-07-16T01:38:58.450Z | 34.14 | -116.868 | 2.058 | 3.94 | ci3043346 |
| 1992-07-16T01:37:51.160Z | 34.418 | -116.468 | 1.542 | 3.57 | ci3043345 |
| 1992-07-15T12:45:20.950Z | 34.117 | -116.376 | 0.702 | 3.7 | ci3042953 |
| 1992-07-15T04:05:20.290Z | 34.275 | -116.694 | 3.032 | 3.1 | ci3042834 |
| 1992-07-15T00:18:56.890Z | 34.332 | -116.462 | -0.847 | 3.96 | ci3042764 |
| 1992-07-14T22:33:13.060Z | 33.937 | -116.398 | -1.04 | 3.08 | ci3042732 |
| 1992-07-14T20:46:43.030Z | 34.246 | -116.441 | 4.909 | 3.23 | ci3042690 |
| 1992-07-14T20:36:51.520Z | 34.644 | -116.644 | 5.782 | 3.82 | ci3042689 |
| 1992-07-14T17:24:37.350Z | 34.243 | -116.458 | 5.054 | 3.3 | ci3042621 |
| 1992-07-14T16:21:51.150Z | 34.114 | -116.409 | 5.119 | 3.41 | ci3224812 |
| 1992-07-14T15:09:15.690Z | 34.219 | -116.771 | 0.127 | 3.76 | ci3042589 |
| 1992-07-14T13:04:02.640Z | 34.187 | -116.801 | -0.36 | 3.44 | ci3042555 |
| 1992-07-14T12:41:55.030Z | 34.601 | -116.627 | 2.462 | 3.33 | ci3042553 |
| 1992-07-14T06:38:35.120Z | 34.063 | -116.416 | 0.05 | 3.14 | ci3111974 |
| 1992-07-14T03:43:53.610Z | 34.192 | -116.436 | -0.919 | 3.29 | ci3042403 |
| 1992-07-13T19:30:30.340Z | 34.58 | -116.322 | 4.914 | 3.03 | ci3110977 |
| 1992-07-13T18:14:59.550Z | 33.166 | -116.534 | 10.151 | 3 | ci3042214 |
| 1992-07-13T11:33:47.280Z | 34.208 | -116.86 | 0.058 | 3.26 | ci3102057 |
| 1992-07-13T05:00:00.800Z | 34.087 | -116.41 | 2.289 | 3.79 | ci3041981 |
| 1992-07-13T00:11:51.080Z | 34.326 | -116.673 | -1.17 | 3.89 | ci3041900 |
| 1992-07-12T23:18:20.810Z | 34.032 | -116.363 | 0.693 | 3.15 | ci3042122 |
| 1992-07-12T23:09:29.400Z | 34.073 | -116.413 | -0.997 | 3.06 | ci3041880 |
| 1992-07-12T22:36:50.850Z | 34.264 | -116.455 | 4.343 | 3.58 | ci3041872 |
| 1992-07-12T16:36:14.060Z | 34.245 | -116.439 | 2.605 | 3.38 | ci3041761 |
| 1992-07-12T13:40:04.510Z | 34.399 | -116.474 | -0.417 | 3.05 | ci3041712 |
| 1992-07-12T11:53:18.580Z | 34.423 | -116.533 | 2.084 | 3.1 | ci3132558 |
| 1992-07-12T11:13:27.340Z | 34.551 | -116.535 | 8.621 | 3.04 | ci3041669 |
| 1992-07-12T07:00:18.410Z | 34.132 | -117.006 | 2.728 | 3.24 | ci3041614 |

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|---|---|---|---|---|---|
| 1992-07-12T05:35:13.440Z | 34.551 | -116.537 | 7.451 | 3.91 | ci3041594 |
| 1992-07-12T04:59:14.450Z | 34.634 | -116.618 | 4.696 | 3.05 | ci3041582 |
| 1992-07-12T02:17:59.800Z | 34.096 | -116.405 | 2.222 | 3.29 | ci3109034 |
| 1992-07-12T00:08:58.660Z | 34.109 | -116.914 | 6.836 | 3.18 | ci3110115 |
| 1992-07-11T21:32:26.230Z | 34.197 | -116.79 | 1.016 | 3.28 | ci3109594 |
| 1992-07-11T19:45:22.500Z | 34.19 | -116.801 | -0.16 | 3.06 | ci3041415 |
| 1992-07-11T18:07:07.310Z | 34.472 | -116.524 | -1.094 | 3.43 | ci3041387 |
| 1992-07-11T07:21:36.290Z | 34.445 | -116.499 | 0.754 | 3.8 | ci3109027 |
| 1992-07-11T04:14:13.420Z | 34.173 | -116.432 | 3.682 | 3.07 | ci3041147 |
| 1992-07-11T00:14:07.100Z | 34.333 | -116.642 | -1.252 | 3.02 | ci3041064 |
| 1992-07-10T23:55:51.610Z | 34.626 | -116.547 | 1.667 | 3.29 | ci3041060 |
| 1992-07-10T19:06:27.990Z | 34.65 | -116.459 | -0.384 | 3.2 | ci3041441 |
| 1992-07-10T16:43:37.470Z | 34.585 | -116.59 | 5.862 | 3.03 | ci3108936 |
| 1992-07-10T16:30:56.290Z | 34.496 | -116.521 | 1.526 | 3.21 | ci3108931 |
| 1992-07-10T16:01:37.480Z | 34.469 | -116.507 | 0.736 | 3.44 | ci3040693 |
| 1992-07-10T14:51:32.200Z | 34.204 | -116.807 | 1.186 | 3.2 | ci3040663 |
| 1992-07-10T14:23:18.840Z | 34.469 | -116.502 | -0.514 | 3.05 | ci3040658 |
| 1992-07-10T12:55:59.850Z | 34.066 | -116.366 | 1.242 | 3.14 | ci3108421 |
| 1992-07-10T09:45:46.840Z | 34.443 | -116.499 | 0.735 | 3.09 | ci3040563 |
| 1992-07-10T07:52:12.340Z | 34.313 | -116.458 | 4.262 | 3.3 | ci3040526 |
| 1992-07-10T05:48:43.240Z | 34.108 | -116.401 | 2.476 | 3.34 | ci3040486 |
| 1992-07-10T04:57:07.660Z | 34.077 | -116.378 | -0.468 | 3.38 | ci3108721 |
| 1992-07-10T03:40:15.350Z | 34.326 | -116.652 | -0.04 | 3.04 | ci3040449 |
| 1992-07-10T02:41:14.380Z | 34.12 | -116.394 | 2.266 | 4 | ci3108718 |
| 1992-07-10T02:30:23.580Z | 34.228 | -116.817 | -1.564 | 3.52 | ci3108550 |
| 1992-07-10T01:56:37.800Z | 34.229 | -116.82 | -1.854 | 3.23 | ci3040417 |
| 1992-07-10T01:29:40.000Z | 34.232 | -116.846 | -1.514 | 4.22 | ci3040406 |
| 1992-07-10T01:14:54.160Z | 34.101 | -116.435 | 2.156 | 3.18 | ci3040401 |
| 1992-07-09T21:43:53.880Z | 34.275 | -116.726 | 0.001 | 3.06 | ci3108313 |
| 1992-07-09T21:14:03.390Z | 34.116 | -116.393 | -0.339 | 3.01 | ci3106250 |
| 1992-07-09T17:08:59.650Z | 34.152 | -116.544 | 7.474 | 3.34 | ci3040203 |
| 1992-07-09T12:23:17.830Z | 34.217 | -116.809 | -0.531 | 4.18 | ci3040107 |
| 1992-07-09T12:15:56.600Z | 34.225 | -116.74 | -0.557 | 3.41 | ci3040105 |
| 1992-07-09T09:49:16.230Z | 34.595 | -116.627 | 2.082 | 3.4 | ci3040040 |
| 1992-07-09T08:14:54.430Z | 34.025 | -116.35 | 0.266 | 3.21 | ci3040330 |
| 1992-07-09T07:41:45.980Z | 34.286 | -116.682 | 7.208 | 3.02 | ci3039994 |
| 1992-07-09T06:05:36.760Z | 34.233 | -116.827 | -1.635 | 3 | ci3040184 |
| 1992-07-09T06:03:28.970Z | 34.233 | -116.83 | -1.404 | 3.86 | ci3039963 |
| 1992-07-09T05:37:37.530Z | 34.181 | -116.868 | 7.573 | 3.32 | ci3209289 |
| 1992-07-09T05:05:15.620Z | 34.232 | -116.846 | -0.375 | 3.09 | ci3209183 |
| 1992-07-09T04:03:13.990Z | 34.231 | -116.823 | -1.534 | 3.67 | ci3118276 |
| 1992-07-09T03:14:18.170Z | 34.425 | -116.482 | 0.952 | 3.12 | ci3039906 |
| 1992-07-09T02:56:54.290Z | 34.227 | -116.851 | -1.666 | 3.87 | ci3040313 |

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|---|---|---|---|---|---|
| 1992-07-09T02:43:38.740Z | 34.23 | -116.831 | -1.524 | 3.38 | ci3039895 |
| 1992-07-09T02:41:53.020Z | 34.224 | -116.845 | -0.604 | 3.25 | ci3039894 |
| 1992-07-09T02:37:24.440Z | 34.228 | -116.845 | -1.924 | 3.7 | ci3040288 |
| 1992-07-09T02:34:35.040Z | 34.225 | -116.844 | -1.407 | 4.17 | ci3039891 |
| 1992-07-09T02:27:43.250Z | 34.645 | -116.654 | 3.694 | 3.18 | ci3137237 |
| 1992-07-09T02:23:47.140Z | 34.215 | -116.822 | -0.444 | 3.03 | ci3110828 |
| 1992-07-09T01:43:57.610Z | 34.239 | -116.837 | -1.934 | 4.87 | ci3039881 |
| 1992-07-08T23:58:22.600Z | 34.234 | -116.837 | -1.924 | 3.29 | ci3039838 |
| 1992-07-08T19:47:18.530Z | 34.074 | -116.377 | 1.59 | 3.24 | ci3104892 |
| 1992-07-08T18:19:12.790Z | 34.293 | -116.481 | 4.907 | 3.21 | ci3039300 |
| 1992-07-08T17:59:51.950Z | 34.259 | -116.454 | 1.917 | 3.21 | ci3039208 |
| 1992-07-08T15:34:08.560Z | 34.347 | -116.465 | 4.838 | 3.6 | ci3038445 |
| 1992-07-08T08:05:38.730Z | 34.604 | -116.351 | 9.29 | 4.32 | ci3038252 |
| 1992-07-08T07:58:28.200Z | 34.149 | -116.427 | 4.1 | 3.04 | ci3038251 |
| 1992-07-08T02:23:11.330Z | 34.575 | -116.336 | 4.9 | 4.91 | ci3038139 |
| 1992-07-07T22:21:45.470Z | 34.274 | -116.726 | -1.209 | 3.08 | ci3037286 |
| 1992-07-07T22:09:28.330Z | 34.342 | -116.468 | 1.386 | 4.42 | ci3037284 |
| 1992-07-07T21:01:10.840Z | 33.953 | -116.358 | 6.547 | 3.7 | ci3037254 |
| 1992-07-07T19:53:02.800Z | 34.598 | -116.317 | 5.045 | 3.05 | ci3037226 |
| 1992-07-07T17:55:54.730Z | 34.311 | -116.47 | -0.961 | 3.01 | ci3037180 |
| 1992-07-07T17:13:57.630Z | 34.237 | -116.394 | -0.944 | 3.25 | ci3037167 |
| 1992-07-07T16:47:35.930Z | 34.431 | -116.48 | -0.334 | 3.18 | ci3037159 |
| 1992-07-07T16:17:54.760Z | 34.247 | -116.716 | -0.347 | 3.1 | ci3037150 |
| 1992-07-07T15:39:58.620Z | 34.161 | -116.426 | -0.738 | 3.45 | ci3037136 |
| 1992-07-07T13:53:28.570Z | 34.398 | -116.464 | -0.684 | 3.5 | ci3037091 |
| 1992-07-07T13:38:03.730Z | 34.23 | -116.833 | -1.934 | 3.59 | ci3037082 |
| 1992-07-07T12:11:26.080Z | 34.059 | -116.408 | 2.252 | 3.18 | ci3037046 |
| 1992-07-07T11:42:41.890Z | 34.581 | -116.533 | 4.54 | 3.15 | ci2081122 |
| 1992-07-07T09:29:47.760Z | 34.207 | -116.771 | -0.041 | 3.58 | ci3036991 |
| 1992-07-07T08:38:03.210Z | 34.211 | -116.766 | 0.029 | 3.48 | ci3036972 |
| 1992-07-07T08:21:03.140Z | 34.069 | -116.382 | 2.182 | 4.14 | ci3036970 |
| 1992-07-07T07:18:52.660Z | 34.589 | -116.293 | 4.962 | 3.01 | ci3089206 |
| 1992-07-07T05:59:59.760Z | 34.588 | -116.598 | 5.868 | 3.45 | ci3036923 |
| 1992-07-07T05:33:41.480Z | 34.635 | -116.509 | 2.568 | 3.49 | ci3036915 |
| 1992-07-07T04:48:52.600Z | 34.246 | -116.715 | 0.013 | 3.89 | ci3036901 |
| 1992-07-07T01:45:38.380Z | 34.232 | -116.895 | 3.586 | 3.38 | ci3036828 |
| 1992-07-07T01:12:49.950Z | 34.63 | -116.629 | 6.012 | 3.03 | ci3036814 |
| 1992-07-06T19:48:13.950Z | 34.456 | -116.484 | 1.805 | 3 | ci3036689 |
| 1992-07-06T19:42:43.640Z | 34.08 | -116.384 | 1.797 | 3.19 | ci3037043 |
| 1992-07-06T19:41:37.890Z | 34.082 | -116.379 | 2.183 | 4.44 | ci3036688 |
| 1992-07-06T18:27:27.730Z | 34.152 | -116.407 | 0.155 | 3.66 | ci3036662 |
| 1992-07-06T18:06:36.310Z | 34.457 | -116.477 | -0.475 | 4.26 | ci3036655 |
| 1992-07-06T17:22:01.500Z | 34.263 | -116.44 | 0.057 | 3.27 | ci3036642 |

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|---|---|---|---|---|---|
| 1992-07-06T17:10:23.350Z | 34.6 | -116.636 | 2.504 | 3.08 | ci3036743 |
| 1992-07-06T13:15:09.620Z | 34.236 | -116.856 | 2.379 | 3 | ci3035726 |
| 1992-07-06T12:48:25.610Z | 34.312 | -116.459 | 3.357 | 3.51 | ci3035715 |
| 1992-07-06T12:26:12.340Z | 34.047 | -116.366 | 0.683 | 3.3 | ci3035710 |
| 1992-07-06T12:00:59.190Z | 34.092 | -116.37 | 0.683 | 4.43 | ci3035697 |
| 1992-07-06T11:46:34.650Z | 34.221 | -116.746 | 0.651 | 3.36 | ci3035694 |
| 1992-07-06T11:42:53.470Z | 34.128 | -116.917 | 3.635 | 3.24 | ci3035692 |
| 1992-07-06T11:38:03.440Z | 34.094 | -116.448 | 7.934 | 3.34 | ci3035723 |
| 1992-07-06T11:35:33.360Z | 34.093 | -116.447 | 8.894 | 3.94 | ci3035691 |
| 1992-07-06T11:03:13.900Z | 34.165 | -116.829 | 8.745 | 3.21 | ci3035679 |
| 1992-07-06T06:00:44.440Z | 34.101 | -116.384 | 1.777 | 3.25 | ci3035564 |
| 1992-07-06T04:49:30.620Z | 34.582 | -116.306 | 4.854 | 3.49 | ci3036979 |
| 1992-07-06T04:48:34.490Z | 34.053 | -116.429 | 8.993 | 3.58 | ci3035540 |
| 1992-07-06T03:18:41.720Z | 34.614 | -116.337 | -1.087 | 3.05 | ci3035812 |
| 1992-07-06T02:13:59.340Z | 34.565 | -116.286 | 4.918 | 3.45 | ci3035477 |
| 1992-07-06T02:10:02.380Z | 34.572 | -116.298 | 4.918 | 3.3 | ci3035475 |
| 1992-07-06T01:11:37.660Z | 34.223 | -116.863 | 0.839 | 3.59 | ci3035441 |
| 1992-07-06T00:15:30.060Z | 34.101 | -116.399 | 3.753 | 3.13 | ci3035416 |
| 1992-07-05T23:11:10.280Z | 34.585 | -116.29 | 4.903 | 3.48 | ci3035388 |
| 1992-07-05T22:45:14.480Z | 34.583 | -116.302 | 4.918 | 3.34 | ci3035376 |
| 1992-07-05T22:33:46.040Z | 34.585 | -116.301 | 5.08 | 4.43 | ci3035375 |
| 1992-07-05T22:08:31.950Z | 34.587 | -116.295 | 4.903 | 3.8 | ci3035369 |
| 1992-07-05T21:18:27.600Z | 34.583 | -116.322 | 4.922 | 5.42 | ci3035348 |
| 1992-07-05T21:05:36.340Z | 34.631 | -116.68 | -0.918 | 3.38 | ci3096977 |
| 1992-07-05T20:26:31.410Z | 34.339 | -116.641 | -1.514 | 3.03 | ci3035333 |
| 1992-07-05T20:03:03.100Z | 34.298 | -116.805 | 1.125 | 4.06 | ci3035325 |
| 1992-07-05T19:15:20.020Z | 34.094 | -116.849 | 0.25 | 3.55 | ci3035308 |
| 1992-07-05T19:01:36.410Z | 34.097 | -116.855 | 0.17 | 3.2 | ci3035513 |
| 1992-07-05T19:00:39.500Z | 34.093 | -116.85 | 0.32 | 3.43 | ci3035514 |
| 1992-07-05T18:48:27.280Z | 34.272 | -116.406 | 1.399 | 3.68 | ci3035298 |
| 1992-07-05T18:23:39.390Z | 34.273 | -116.408 | -0.091 | 3.45 | ci3095731 |
| 1992-07-05T18:23:15.670Z | 34.531 | -116.541 | -1.356 | 3.28 | ci3035294 |
| 1992-07-05T17:57:28.020Z | 34.513 | -116.513 | 6.536 | 3.15 | ci3035285 |
| 1992-07-05T13:52:59.410Z | 34.121 | -116.391 | 0.144 | 3.86 | ci3035178 |
| 1992-07-05T12:01:54.340Z | 34.245 | -116.791 | 5.261 | 3.34 | ci3035139 |
| 1992-07-05T11:28:22.990Z | 34.171 | -116.821 | 7.56 | 3.08 | ci3035125 |
| 1992-07-05T11:14:38.040Z | 34.068 | -116.365 | 1.483 | 3.82 | ci3035120 |
| 1992-07-05T10:36:19.090Z | 34.62 | -116.343 | 6.614 | 3.55 | ci3035109 |
| 1992-07-05T10:23:11.620Z | 34.124 | -117.001 | 3.309 | 3.07 | ci3035107 |
| 1992-07-05T08:06:29.850Z | 34.128 | -116.731 | 9.223 | 3.15 | ci3035053 |
| 1992-07-05T06:53:03.940Z | 34.39 | -116.457 | 0.583 | 3.75 | ci3035014 |
| 1992-07-05T05:49:38.160Z | 33.945 | -116.399 | 2.14 | 4.07 | ci3034959 |
| 1992-07-05T04:31:18.340Z | 34.644 | -116.659 | 3.472 | 3.63 | ci3034930 |

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|---|---|---|---|---|---|
| 1992-07-05T04:18:45.500Z | 33.677 | -116.705 | 16.781 | 3.09 | ci3094727 |
| 1992-07-05T03:16:27.420Z | 34.071 | -116.371 | 1.213 | 3.48 | ci3034910 |
| 1992-07-05T02:09:27.870Z | 34.191 | -116.803 | -0.89 | 3.32 | ci3034890 |
| 1992-07-05T01:58:18.850Z | 34.314 | -116.455 | 6.997 | 3.32 | ci3034889 |
| 1992-07-04T23:11:50.190Z | 34.093 | -116.425 | -0.511 | 3.01 | ci3034822 |
| 1992-07-04T21:08:47.270Z | 34.192 | -116.433 | -1.057 | 3.25 | ci3035209 |
| 1992-07-04T21:06:51.490Z | 34.199 | -116.435 | -1.057 | 3.6 | ci3034783 |
| 1992-07-04T17:55:01.030Z | 34.602 | -116.638 | -1.158 | 3.09 | ci3035283 |
| 1992-07-04T16:28:38.540Z | 34.599 | -116.663 | 4.342 | 3.01 | ci3095346 |
| 1992-07-04T14:47:24.960Z | 34.581 | -116.581 | 4.672 | 3.33 | ci3034657 |
| 1992-07-04T13:23:15.990Z | 34.245 | -116.744 | 1.504 | 3.12 | ci3034625 |
| 1992-07-04T13:15:17.000Z | 34.326 | -116.412 | 4.592 | 3 | ci3034622 |
| 1992-07-04T12:11:47.340Z | 34.643 | -116.659 | 3.832 | 3.25 | ci3034601 |
| 1992-07-04T10:33:40.460Z | 34.312 | -116.429 | 5.792 | 3.44 | ci3035065 |
| 1992-07-04T10:32:45.990Z | 34.347 | -116.469 | 6.782 | 3.43 | ci3034560 |
| 1992-07-04T09:36:01.200Z | 34.293 | -116.887 | 1.483 | 3.45 | ci3035032 |
| 1992-07-04T06:50:01.250Z | 34.62 | -116.615 | 4.862 | 3.17 | ci3034471 |
| 1992-07-04T06:09:52.480Z | 34.09 | -116.857 | 1 | 3.02 | ci3034457 |
| 1992-07-04T05:52:04.090Z | 34.091 | -116.38 | 0.842 | 3.14 | ci3034453 |
| 1992-07-04T04:54:15.430Z | 34.223 | -116.774 | 0.997 | 3.11 | ci3034431 |
| 1992-07-04T04:48:50.890Z | 33.928 | -116.328 | 1.937 | 3.34 | ci3034430 |
| 1992-07-04T02:32:00.060Z | 34.089 | -116.856 | 0.72 | 3.21 | ci3034362 |
| 1992-07-04T00:12:09.490Z | 33.994 | -116.374 | 0.117 | 3.03 | ci3034296 |
| 1992-07-03T23:02:57.360Z | 34.015 | -116.338 | -0.373 | 3.01 | ci3034261 |
| 1992-07-03T22:58:30.850Z | 34.21 | -116.838 | 4.134 | 3.01 | ci3034257 |
| 1992-07-03T22:25:41.670Z | 34.073 | -116.421 | -0.997 | 3.12 | ci3034344 |
| 1992-07-03T22:25:01.820Z | 34.575 | -116.455 | 4.399 | 3.31 | ci3034238 |
| 1992-07-03T22:04:25.110Z | 34.511 | -116.54 | 0.461 | 3.29 | ci3034479 |
| 1992-07-03T21:52:20.520Z | 34.056 | -116.381 | 1.076 | 3.37 | ci3034478 |
| 1992-07-03T21:18:22.960Z | 34.619 | -116.644 | 3.542 | 3.83 | ci3034218 |
| 1992-07-03T20:58:02.340Z | 34.542 | -116.552 | 2.641 | 3.15 | ci3034209 |
| 1992-07-03T20:52:46.210Z | 34.292 | -116.721 | -1.612 | 3.72 | ci3034207 |
| 1992-07-03T19:49:56.640Z | 34.122 | -116.415 | 0.574 | 3.9 | ci3034177 |
| 1992-07-03T19:14:08.940Z | 34.077 | -116.413 | -0.177 | 3.04 | ci3034158 |
| 1992-07-03T18:30:44.310Z | 34.261 | -116.96 | 5.469 | 3.08 | ci3224800 |
| 1992-07-03T18:15:59.190Z | 34.281 | -116.702 | 2.734 | 3.18 | ci3034138 |
| 1992-07-03T17:17:06.410Z | 34.262 | -116.896 | 5.558 | 4.1 | ci3034125 |
| 1992-07-03T16:32:20.710Z | 33.983 | -116.281 | 2.207 | 3.06 | ci3034109 |
| 1992-07-03T14:46:44.730Z | 34.094 | -116.395 | -0.063 | 3.16 | ci3034082 |
| 1992-07-03T14:27:24.920Z | 34.262 | -116.899 | 4.874 | 3.27 | ci3034076 |
| 1992-07-03T12:32:24.360Z | 34.538 | -116.534 | 3.451 | 3.48 | ci3034047 |
| 1992-07-03T12:29:51.510Z | 34.528 | -116.539 | -1.094 | 3.48 | ci3034045 |
| 1992-07-03T12:15:42.500Z | 34.179 | -116.812 | 8 | 3.66 | ci3034044 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1992-07-03T11:56:17.150Z | 34.092 | -116.4 | -0.874 | 3.28 | ci3034040 |
| 1992-07-03T11:40:27.480Z | 33.944 | -116.304 | 3.143 | 3.38 | ci3034037 |
| 1992-07-03T10:53:50.320Z | 33.941 | -116.307 | 3.123 | 3.22 | ci3034022 |
| 1992-07-03T10:40:07.600Z | 34.201 | -116.868 | 1.628 | 3.77 | ci3034017 |
| 1992-07-03T10:35:35.410Z | 34.632 | -116.597 | 3.612 | 3.09 | ci3034014 |
| 1992-07-03T10:30:01.140Z | 34.058 | -116.433 | -0.009 | 3.87 | ci3034013 |
| 1992-07-03T10:24:34.200Z | 34.085 | -116.386 | -0.955 | 3.2 | ci3034012 |
| 1992-07-03T09:33:23.170Z | 34.621 | -116.654 | 5.742 | 3.01 | ci3034001 |
| 1992-07-03T08:42:08.040Z | 33.986 | -116.4 | -0.553 | 3.13 | ci3093142 |
| 1992-07-03T08:30:27.190Z | 34.632 | -116.522 | 1.952 | 3 | ci3033984 |
| 1992-07-03T07:50:32.530Z | 34.195 | -116.799 | 1.134 | 3.4 | ci3033974 |
| 1992-07-03T07:14:09.140Z | 34.578 | -116.727 | 5.734 | 3.17 | ci3217138 |
| 1992-07-03T05:55:42.230Z | 34.018 | -116.349 | 2.012 | 3.42 | ci3033926 |
| 1992-07-03T05:10:56.700Z | 34.12 | -116.992 | 2.339 | 3.04 | ci3033907 |
| 1992-07-03T04:19:41.730Z | 34.22 | -116.788 | 0.987 | 3.4 | ci3033887 |
| 1992-07-03T04:15:50.380Z | 34.21 | -116.771 | 8.677 | 4.08 | ci3033884 |
| 1992-07-03T04:10:48.540Z | 34.119 | -116.416 | 1.846 | 3.42 | ci3095614 |
| 1992-07-03T02:40:50.960Z | 33.169 | -115.645 | 4.239 | 3.88 | ci3033898 |
| 1992-07-03T02:37:46.880Z | 33.165 | -115.642 | 4.787 | 3.03 | ci3033848 |
| 1992-07-03T01:38:36.720Z | 34.574 | -116.497 | 5.093 | 3.34 | ci3033825 |
| 1992-07-03T01:01:58.540Z | 34.075 | -116.393 | 2.083 | 3 | ci3033803 |
| 1992-07-02T21:03:22.550Z | 34.202 | -116.782 | 0.386 | 3.52 | ci3033682 |
| 1992-07-02T20:49:24.870Z | 33.982 | -116.347 | 2.223 | 3.2 | ci3033679 |
| 1992-07-02T19:59:43.550Z | 34.126 | -116.415 | 1.315 | 3.52 | ci3033655 |
| 1992-07-02T18:53:49.020Z | 34.241 | -116.392 | -0.944 | 3.49 | ci3115354 |
| 1992-07-02T18:34:26.170Z | 34.384 | -116.458 | 1.722 | 3.91 | ci3033964 |
| 1992-07-02T18:33:42.150Z | 34.037 | -116.357 | 3.739 | 3.1 | ci3033612 |
| 1992-07-02T18:21:39.520Z | 34.045 | -116.35 | 0.491 | 3.61 | ci3033956 |
| 1992-07-02T18:20:10.500Z | 34.043 | -116.351 | 0.291 | 3.51 | ci3033609 |
| 1992-07-02T16:32:46.560Z | 34.341 | -116.67 | -1.374 | 3.19 | ci3033562 |
| 1992-07-02T16:27:56.580Z | 34.341 | -116.67 | -1.444 | 3.84 | ci3033561 |
| 1992-07-02T16:08:24.640Z | 34.119 | -116.994 | 2.929 | 3 | ci3033549 |
| 1992-07-02T15:11:56.810Z | 34.036 | -116.352 | 0.271 | 3.37 | ci3033518 |
| 1992-07-02T12:56:32.940Z | 34.548 | -116.544 | 5.093 | 3.07 | ci3033461 |
| 1992-07-02T12:17:41.600Z | 34.573 | -116.576 | 4.9 | 3.52 | ci3033805 |
| 1992-07-02T12:16:46.980Z | 34.589 | -116.614 | 4.484 | 3.51 | ci3033804 |
| 1992-07-02T11:54:49.400Z | 34.614 | -116.622 | 4.896 | 3 | ci3033433 |
| 1992-07-02T11:31:24.040Z | 34.073 | -116.422 | -0.954 | 3.7 | ci3033421 |
| 1992-07-02T10:51:31.660Z | 34.584 | -116.553 | 4.921 | 3.17 | ci3033397 |
| 1992-07-02T10:43:55.310Z | 33.922 | -116.295 | -0.863 | 3.38 | ci3033396 |
| 1992-07-02T09:51:59.610Z | 34.514 | -116.524 | 5.093 | 3.89 | ci3033371 |
| 1992-07-02T09:49:28.070Z | 34.608 | -116.638 | 4.484 | 3.01 | ci3033566 |
| 1992-07-02T09:42:09.190Z | 34.098 | -116.992 | 1.319 | 3.47 | ci3033503 |

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|---|---|---|---|---|---|
| 1992-07-02T08:45:27.740Z | 34.423 | -116.534 | 1.202 | 3.5 | ci3033344 |
| 1992-07-02T08:25:04.530Z | 34.003 | -116.387 | 0.051 | 3.01 | ci3033330 |
| 1992-07-02T08:13:51.490Z | 34.118 | -116.992 | 2.809 | 3.32 | ci3033328 |
| 1992-07-02T07:56:26.340Z | 34.138 | -116.857 | 1.1 | 3.63 | ci3033319 |
| 1992-07-02T06:24:57.150Z | 34.258 | -116.739 | 1.688 | 3.63 | ci3033282 |
| 1992-07-02T06:13:43.540Z | 34.132 | -116.857 | 6.049 | 3.54 | ci3033486 |
| 1992-07-02T05:16:32.640Z | 34.383 | -116.451 | 5.05 | 3.94 | ci3033256 |
| 1992-07-02T04:12:12.490Z | 34.395 | -116.454 | 5.05 | 3.2 | ci3033227 |
| 1992-07-02T03:51:00.120Z | 34.626 | -116.686 | -1.117 | 3.06 | ci3033217 |
| 1992-07-02T03:33:45.830Z | 34.281 | -116.707 | -0.352 | 3.11 | ci3033209 |
| 1992-07-02T03:31:18.180Z | 34.032 | -117.12 | 4.038 | 3.07 | ci3033742 |
| 1992-07-02T02:39:36.520Z | 34.612 | -116.654 | -1.278 | 3.13 | ci3033184 |
| 1992-07-02T02:29:15.910Z | 34.157 | -116.828 | 4 | 3.09 | ci3033177 |
| 1992-07-02T02:15:43.050Z | 34.175 | -116.413 | 4.532 | 3.01 | ci3033171 |
| 1992-07-02T01:51:11.890Z | 33.979 | -116.338 | -0.22 | 3.41 | ci3033161 |
| 1992-07-02T01:12:47.150Z | 34.628 | -116.663 | 3.827 | 3.07 | ci3093713 |
| 1992-07-02T00:16:22.390Z | 34.313 | -116.445 | 5.101 | 3.97 | ci3033120 |
| 1992-07-01T23:50:50.320Z | 34.008 | -116.374 | 0.131 | 3.55 | ci3033106 |
| 1992-07-01T23:46:47.170Z | 34.343 | -116.468 | 0.352 | 3.58 | ci3033105 |
| 1992-07-01T22:58:42.020Z | 34.161 | -116.402 | -1.018 | 3.66 | ci3033087 |
| 1992-07-01T21:54:06.650Z | 33.98 | -116.348 | 2.07 | 3.15 | ci3033048 |
| 1992-07-01T21:47:53.290Z | 34.018 | -116.366 | 1.69 | 3 | ci3033046 |
| 1992-07-01T20:53:56.750Z | 34.281 | -116.731 | -0.472 | 4.03 | ci3033016 |
| 1992-07-01T20:46:17.800Z | 34.276 | -116.729 | -0.892 | 4.24 | ci3033670 |
| 1992-07-01T20:45:45.870Z | 34.282 | -116.725 | -1.006 | 3.5 | ci3033015 |
| 1992-07-01T20:41:18.440Z | 34.258 | -116.45 | 5.104 | 3.35 | ci3033012 |
| 1992-07-01T20:22:51.970Z | 34.341 | -116.458 | 5.104 | 3.5 | ci3033008 |
| 1992-07-01T19:36:28.170Z | 34.172 | -116.411 | -0.825 | 3.23 | ci3033212 |
| 1992-07-01T18:55:44.800Z | 34.571 | -116.567 | 4.932 | 3.05 | ci3032972 |
| 1992-07-01T18:25:22.430Z | 34.441 | -116.51 | -0.279 | 3.86 | ci3032962 |
| 1992-07-01T18:15:11.610Z | 34.213 | -116.865 | 1.678 | 3.3 | ci3032958 |
| 1992-07-01T18:07:33.950Z | 34.582 | -116.585 | 4.921 | 3.33 | ci3032952 |
| 1992-07-01T17:45:46.850Z | 34.28 | -116.689 | 4.844 | 4.42 | ci3032948 |
| 1992-07-01T17:13:46.680Z | 34.301 | -116.833 | 0.705 | 3.23 | ci3032930 |
| 1992-07-01T17:07:15.080Z | 34.274 | -116.692 | 2.944 | 4.18 | ci3032928 |
| 1992-07-01T15:48:04.520Z | 34.626 | -116.551 | 4.896 | 3.06 | ci3032887 |
| 1992-07-01T15:21:39.910Z | 34.156 | -116.595 | -0.634 | 3 | ci3032873 |
| 1992-07-01T15:08:38.770Z | 34.182 | -116.409 | 4.904 | 3.21 | ci3089438 |
| 1992-07-01T15:07:07.570Z | 34.136 | -116.436 | 0.909 | 3.41 | ci3032869 |
| 1992-07-01T14:42:05.240Z | 34.137 | -116.958 | 2.308 | 3 | ci3032837 |
| 1992-07-01T12:02:27.430Z | 34.117 | -116.386 | -0.987 | 3.21 | ci3032759 |
| 1992-07-01T11:58:42.910Z | 34.188 | -116.901 | 1.198 | 3.42 | ci3032758 |
| 1992-07-01T11:58:01.920Z | 34.203 | -116.797 | 1.444 | 3.23 | ci3089617 |

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|---|---|---|---|---|---|
| 1992-07-01T11:54:48.760Z | 34.188 | -116.801 | -0.7 | 3.31 | ci3032757 |
| 1992-07-01T11:02:24.820Z | 34.593 | -116.633 | -0.068 | 3.4 | ci3032730 |
| 1992-07-01T10:41:32.080Z | 34.125 | -116.419 | 0.344 | 3.34 | ci3032718 |
| 1992-07-01T10:21:09.010Z | 34.121 | -116.418 | -0.714 | 3.38 | ci3032712 |
| 1992-07-01T10:14:54.710Z | 34.341 | -116.463 | 5.091 | 3.01 | ci3032711 |
| 1992-07-01T10:00:10.040Z | 33.971 | -116.373 | 1.867 | 3.14 | ci3032703 |
| 1992-07-01T09:44:43.310Z | 34.086 | -116.412 | 7.146 | 3.62 | ci3032700 |
| 1992-07-01T09:37:42.740Z | 33.998 | -116.356 | 1.772 | 3.15 | ci3089537 |
| 1992-07-01T09:34:42.610Z | 34.18 | -116.807 | -0.421 | 3.04 | ci3032696 |
| 1992-07-01T09:33:24.850Z | 34.103 | -116.387 | 0.323 | 3.18 | ci3032695 |
| 1992-07-01T09:22:16.560Z | 34.015 | -116.35 | 1.231 | 3.11 | ci3032692 |
| 1992-07-01T08:59:44.030Z | 34.4648333 | -116.7608333 | 4.309 | 3.35 | ci3224796 |
| 1992-07-01T08:39:50.040Z | 34.205 | -116.861 | 0.408 | 3.31 | ci3032673 |
| 1992-07-01T07:47:08.410Z | 34.277 | -116.643 | 5.524 | 3.36 | ci3224788 |
| 1992-07-01T07:40:29.900Z | 34.33 | -116.464 | 5.091 | 5.34 | ci3032643 |
| 1992-07-01T07:35:18.880Z | 34.081 | -116.372 | -0.648 | 3.01 | ci3033132 |
| 1992-07-01T07:34:44.490Z | 34.6186667 | -116.6496667 | -0.906 | 3.08 | ci3032640 |
| 1992-07-01T07:30:56.210Z | 34.092 | -116.387 | -1.007 | 3.44 | ci3032638 |
| 1992-07-01T07:24:32.070Z | 34.069 | -116.375 | -0.755 | 3.6 | ci3089461 |
| 1992-07-01T07:24:11.650Z | 34.633 | -116.634 | 7.284 | 3.15 | ci3032630 |
| 1992-07-01T07:20:00.070Z | 34.062 | -116.369 | -1.093 | 3.39 | ci3033126 |
| 1992-07-01T07:18:09.290Z | 34.092 | -116.38 | -0.557 | 3.37 | ci3032625 |
| 1992-07-01T07:13:17.430Z | 34.102 | -116.388 | -1.084 | 3.82 | ci3032623 |
| 1992-07-01T07:04:24.590Z | 34.049 | -116.378 | 0.348 | 3.63 | ci3032816 |
| 1992-07-01T07:01:49.190Z | 34.097 | -116.383 | -0.997 | 4.41 | ci3032618 |
| 1992-07-01T06:48:22.660Z | 34.071 | -116.415 | 0.362 | 3.49 | ci3032611 |
| 1992-07-01T06:30:40.980Z | 34.024 | -116.362 | 2.821 | 3 | ci3032604 |
| 1992-07-01T05:43:56.670Z | 34.019 | -116.351 | 0.703 | 3.29 | ci3032868 |
| 1992-07-01T05:18:29.800Z | 34.052 | -116.39 | -0.997 | 3.15 | ci3032567 |
| 1992-07-01T04:43:53.960Z | 34.18 | -116.804 | 1.89 | 3.61 | ci3032551 |
| 1992-07-01T02:29:45.220Z | 34.031 | -116.881 | 19.301 | 3.26 | ci3032490 |
| 1992-07-01T02:24:01.380Z | 34.397 | -116.457 | 0.502 | 3.45 | ci3032488 |
| 1992-07-01T01:43:34.310Z | 34.433 | -116.4808333 | -0.873 | 3.12 | ci3032466 |
| 1992-07-01T00:39:21.640Z | 34.1898333 | -116.7938333 | -1.797 | 3.31 | ci3032445 |
| 1992-07-01T00:32:25.600Z | 34.2553333 | -116.7326667 | -1.539 | 3.16 | ci3034394 |
| 1992-07-01T00:14:26.820Z | 34.0766667 | -116.9868333 | 1.784 | 3.65 | ci3032435 |
| 1992-07-01T00:12:05.390Z | 34.2021667 | -116.8305 | -1.877 | 3.48 | ci3032434 |
| 1992-07-01T00:04:43.490Z | 34.4451667 | -116.4948333 | 4.25 | 3.06 | ci3032907 |
| 1992-07-01T00:03:17.850Z | 34.6253333 | -116.5425 | 3.032 | 3.13 | ci3032432 |
| 1992-06-30T23:52:52.850Z | 34.0656667 | -116.3643333 | 3.672 | 3.25 | ci3032426 |
| 1992-06-30T22:54:32.970Z | 34.1355 | -116.848 | 9.972 | 3.26 | ci3033063 |
| 1992-06-30T22:09:49.820Z | 34.0945 | -116.9881667 | 0.814 | 3.19 | ci3074995 |
| 1992-06-30T21:49:00.390Z | 34.0778333 | -116.9866667 | 3.064 | 4.48 | ci3032368 |

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|---|---|---|---|---|---|
| 1992-06-30T21:29:14.620Z | 34.4131667 | -116.513 | 1.432 | 3.58 | ci3032365 |
| 1992-06-30T21:24:59.440Z | 34.131 | -116.732 | 9.373 | 3.71 | ci3039676 |
| 1992-06-30T21:23:49.330Z | 34.131 | -116.7368333 | 10.809 | 3 | ci12180759 |
| 1992-06-30T21:22:54.430Z | 34.1301667 | -116.7238333 | 11.616 | 4.85 | ci3038550 |
| 1992-06-30T20:36:28.060Z | 34.6005 | -116.5941667 | -0.419 | 3.68 | ci3032345 |
| 1992-06-30T20:36:20.680Z | 34.4968333 | -116.5203333 | 5.304 | 3.4 | ci12180731 |
| 1992-06-30T20:17:31.530Z | 34.259 | -116.737 | -0.525 | 3.34 | ci3032340 |
| 1992-06-30T20:05:06.620Z | 33.9786667 | -116.36 | -0.564 | 4.11 | ci3032338 |
| 1992-06-30T20:00:25.930Z | 34.6423333 | -116.6563333 | 5.86 | 4.29 | ci3032337 |
| 1992-06-30T19:42:29.520Z | 34.4095 | -116.5146667 | 0.402 | 3.05 | ci3032323 |
| 1992-06-30T19:01:19.360Z | 34.5065 | -116.5395 | -0.907 | 3.37 | ci3032303 |
| 1992-06-30T18:37:47.340Z | 34.16 | -116.4413333 | 7.289 | 3.31 | ci3083793 |
| 1992-06-30T18:24:51.270Z | 34.222 | -116.741 | -1.107 | 3.01 | ci3083770 |
| 1992-06-30T18:24:03.470Z | 34.5786667 | -116.5633333 | -0.135 | 3.39 | ci3032281 |
| 1992-06-30T17:48:46.400Z | 34.3315 | -116.4686667 | 0.582 | 3.74 | ci3032258 |
| 1992-06-30T17:26:30.070Z | 34.6438333 | -116.6555 | 3.18 | 4.47 | ci3032246 |
| 1992-06-30T17:14:21.510Z | 34.0683333 | -116.3571667 | 5.362 | 4.2 | ci3032243 |
| 1992-06-30T16:45:28.490Z | 34.1166667 | -116.3951667 | 7.161 | 3.82 | ci3032233 |
| 1992-06-30T16:36:55.390Z | 34.2366667 | -116.4485 | 3.059 | 3.02 | ci3083542 |
| 1992-06-30T16:36:10.490Z | 34.009 | -116.368 | 1.739 | 3 | ci3032226 |
| 1992-06-30T16:08:13.690Z | 34.1531667 | -116.422 | 7.763 | 3.52 | ci3032709 |
| 1992-06-30T16:06:52.500Z | 34.1556667 | -116.8366667 | 9.333 | 3.58 | ci3032710 |
| 1992-06-30T15:55:50.760Z | 34.451 | -116.4925 | 4.23 | 3.28 | ci3083432 |
| 1992-06-30T15:55:50.330Z | 34.0025 | -116.3621667 | 3.419 | 3.28 | ci3032208 |
| 1992-06-30T15:38:33.710Z | 34.0985 | -116.3813333 | -0.744 | 3.21 | ci3032194 |
| 1992-06-30T15:20:08.270Z | 34.2678333 | -116.7396667 | -1.937 | 4.18 | ci12180487 |
| 1992-06-30T15:19:05.170Z | 34.1705 | -116.4028333 | 1.343 | 4.21 | ci3032189 |
| 1992-06-30T15:17:29.070Z | 34.014 | -116.348 | -0.085 | 3.1 | ci3032561 |
| 1992-06-30T15:09:29.890Z | 33.987 | -116.362 | 0.795 | 3.15 | ci3032186 |
| 1992-06-30T14:50:40.010Z | 34.099 | -116.4191667 | 3.161 | 3.15 | ci3032170 |
| 1992-06-30T14:47:31.720Z | 34.019 | -116.349 | -0.125 | 3.36 | ci3032168 |
| 1992-06-30T14:38:59.810Z | 34.0176667 | -116.3595 | -0.041 | 3.5 | ci12180459 |
| 1992-06-30T14:38:11.720Z | 33.9971667 | -116.3565 | 1.021 | 4.99 | ci3032166 |
| 1992-06-30T14:27:24.460Z | 34.1573333 | -116.4193333 | 6.173 | 3.05 | ci3032163 |
| 1992-06-30T13:52:59.200Z | 34.0201667 | -116.3683333 | 0.66 | 3.34 | ci3032151 |
| 1992-06-30T13:35:27.020Z | 34.1041667 | -116.4191667 | 5.569 | 3.12 | ci3087477 |
| 1992-06-30T13:10:48.950Z | 34.0211667 | -116.3625 | -0.785 | 3.14 | ci3083144 |
| 1992-06-30T12:52:33.000Z | 34.0961667 | -116.4313333 | 0.951 | 3.01 | ci3032121 |
| 1992-06-30T12:34:54.530Z | 34.3228333 | -116.4418333 | 6.582 | 4.32 | ci3032116 |
| 1992-06-30T12:26:19.240Z | 34.0178333 | -116.3525 | -0.918 | 3.79 | ci3032113 |
| 1992-06-30T12:21:07.410Z | 34.363 | -116.4545 | 2.822 | 3.46 | ci3032111 |
| 1992-06-30T12:14:49.630Z | 34.0906667 | -116.402 | 12.18 | 4.27 | ci3032109 |
| 1992-06-30T11:30:29.120Z | 34.0966667 | -116.4045 | 12.13 | 4.49 | ci3041864 |

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|---|---|---|---|---|---|
| 1992-06-30T11:14:11.140Z | 34.0226667 | -116.3591667 | -0.971 | 3 | ci3032080 |
| 1992-06-30T10:51:16.310Z | 34.2245 | -116.7555 | -1.461 | 3.22 | ci3032073 |
| 1992-06-30T10:42:49.860Z | 34.298 | -116.648 | 5 | 3.3 | usp00059yv |
| 1992-06-30T10:21:19.980Z | 34.63 | -116.6735 | -1.231 | 3.24 | ci3086790 |
| 1992-06-30T10:20:59.890Z | 34.3845 | -116.4775 | -0.407 | 3 | ci3032062 |
| 1992-06-30T10:03:24.980Z | 34.599 | -116.6273333 | -1.288 | 3.06 | ci3032053 |
| 1992-06-30T08:57:43.970Z | 34.5621667 | -116.4181667 | 0.745 | 3.61 | ci3032025 |
| 1992-06-30T07:39:14.520Z | 34.2083333 | -116.764 | -1.737 | 3.88 | ci3031992 |
| 1992-06-30T07:36:28.150Z | 34.161 | -116.425 | -0.559 | 3.7 | ci3031990 |
| 1992-06-30T07:19:47.710Z | 34.487 | -116.469 | -1.845 | 3.17 | ci3072915 |
| 1992-06-30T07:18:48.880Z | 34.623 | -116.626 | 6.821 | 3 | ci3031984 |
| 1992-06-30T07:14:25.810Z | 34.092 | -116.4201667 | 4.555 | 3.19 | ci3031982 |
| 1992-06-30T06:13:04.360Z | 34.5723333 | -116.5761667 | -0.549 | 3.11 | ci3031943 |
| 1992-06-30T06:02:05.590Z | 34.1218333 | -116.739 | 7.672 | 3.53 | ci3086434 |
| 1992-06-30T05:55:12.530Z | 34.0846667 | -116.432 | 0.259 | 3.6 | ci3031934 |
| 1992-06-30T05:52:59.000Z | 34.2318333 | -116.851 | 8.776 | 3.07 | ci3086426 |
| 1992-06-30T05:42:26.850Z | 34.635 | -116.512 | 3.158 | 3.04 | ci3031925 |
| 1992-06-30T05:33:48.130Z | 34.2236667 | -116.7401667 | 1.263 | 3.94 | ci3031923 |
| 1992-06-30T05:18:38.740Z | 34.2763333 | -116.7856667 | -1.402 | 3.98 | ci3031918 |
| 1992-06-30T04:31:28.360Z | 34.583 | -116.593 | 3.624 | 3.2 | ci3139541 |
| 1992-06-30T04:22:51.200Z | 34.268 | -116.938 | 4.229 | 3.39 | ci3139539 |
| 1992-06-30T04:08:47.020Z | 34.216 | -116.617 | 5 | 3.3 | usp00059y7 |
| 1992-06-30T03:25:42.800Z | 34.122 | -116.992 | 3.266 | 3.27 | ci3139552 |
| 1992-06-30T02:13:46.360Z | 34.1803333 | -116.4213333 | 4.323 | 3.01 | ci3031865 |
| 1992-06-30T02:03:12.450Z | 34.0741667 | -116.4098333 | -1.063 | 3.33 | ci3031861 |
| 1992-06-30T01:59:49.240Z | 34.3623333 | -116.4721667 | 0.822 | 3.07 | ci3031860 |
| 1992-06-30T01:54:49.440Z | 34.257 | -116.72 | -0.936 | 3.07 | ci3079453 |
| 1992-06-30T01:39:14.200Z | 34.289 | -116.455 | 3.318 | 3.03 | ci3139464 |
| 1992-06-30T01:30:23.050Z | 34.593 | -116.6218333 | -1.406 | 3.07 | ci3086402 |
| 1992-06-30T00:57:20.460Z | 34.641 | -116.659 | 4.792 | 3.02 | ci3031832 |
| 1992-06-30T00:54:38.940Z | 34.092 | -116.439 | -0.343 | 3.3 | ci3031831 |
| 1992-06-30T00:49:45.330Z | 33.901 | -116.262 | 0.594 | 3.7 | ci3031830 |
| 1992-06-30T00:23:54.580Z | 34.23 | -116.508 | 5 | 3.6 | usp00059xt |
| 1992-06-30T00:19:42.870Z | 34.083 | -116.369 | 5 | 3.2 | usp00059xs |
| 1992-06-30T00:06:08.620Z | 34.1266667 | -116.403 | 1.901 | 4.43 | ci3031817 |
| 1992-06-29T23:44:08.810Z | 34.151 | -116.438 | 3.583 | 3.69 | ci3031809 |
| 1992-06-29T23:31:19.260Z | 34.297 | -116.427 | -1.199 | 3 | ci3031803 |
| 1992-06-29T23:28:46.440Z | 34.2606667 | -116.7366667 | -1.143 | 3 | ci3031802 |
| 1992-06-29T23:13:28.180Z | 34.297 | -116.448 | 0.298 | 3.06 | ci3031797 |
| 1992-06-29T21:54:33.310Z | 34.634 | -116.562 | 4.797 | 3.08 | ci3031764 |
| 1992-06-29T21:27:58.090Z | 33.9 | -116.285 | 3.261 | 3.16 | ci3031759 |
| 1992-06-29T21:17:37.240Z | 34.0258333 | -116.3735 | 4.166 | 3.01 | ci3031752 |
| 1992-06-29T21:01:43.260Z | 34.1661667 | -116.8396667 | -0.488 | 3.02 | ci3031749 |

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|---|---|---|---|---|---|
| 1992-06-29T20:42:23.850Z | 34.449 | -116.5246667 | 1.736 | 3.55 | ci3032586 |
| 1992-06-29T20:34:00.350Z | 34.4291667 | -116.4675 | 10.049 | 3.03 | ci3031736 |
| 1992-06-29T20:22:01.500Z | 33.8878333 | -116.2776667 | 0.841 | 3 | ci3076939 |
| 1992-06-29T20:21:59.280Z | 34.1388333 | -116.4735 | -1.223 | 3.26 | ci3031734 |
| 1992-06-29T20:07:35.450Z | 33.889 | -116.289 | 2.141 | 4.08 | ci3031728 |
| 1992-06-29T19:23:20.040Z | 34.166 | -116.772 | 6.63 | 3.96 | ci3031713 |
| 1992-06-29T19:10:30.880Z | 33.892 | -116.2763333 | 3.571 | 3.11 | ci3031710 |
| 1992-06-29T18:35:09.170Z | 34.6186667 | -116.617 | 0.174 | 3.23 | ci3031700 |
| 1992-06-29T18:24:40.970Z | 34.6205 | -116.6703333 | -1.183 | 3.09 | ci3031697 |
| 1992-06-29T18:06:09.220Z | 34.4053333 | -116.5136667 | -1.446 | 3.29 | ci3031687 |
| 1992-06-29T17:55:09.280Z | 34.356 | -116.4183333 | 0.308 | 3 | ci3076174 |
| 1992-06-29T17:52:09.150Z | 34.021 | -116.36 | 2.976 | 3.51 | ci3031684 |
| 1992-06-29T17:42:11.510Z | 34.5923333 | -116.6248333 | 4.253 | 3.25 | ci3031680 |
| 1992-06-29T17:13:16.430Z | 34.5826667 | -116.6158333 | 2.956 | 3 | ci3031676 |
| 1992-06-29T17:11:14.040Z | 33.8926667 | -116.2863333 | 2.321 | 3.67 | ci3076029 |
| 1992-06-29T17:09:16.520Z | 34.393 | -116.4658333 | 2.04 | 3.4 | ci3031675 |
| 1992-06-29T17:02:20.560Z | 34.5111667 | -116.5141667 | 2.827 | 3.03 | ci3076079 |
| 1992-06-29T17:02:01.530Z | 33.8895 | -116.2791667 | 0.397 | 3.25 | ci3031673 |
| 1992-06-29T16:46:06.990Z | 33.866 | -116.32 | -0.219 | 3.02 | ci3031669 |
| 1992-06-29T16:41:41.930Z | 34.249 | -116.719 | -0.003 | 4.64 | ci3031666 |
| 1992-06-29T16:25:29.550Z | 34.0795 | -116.4263333 | 0.276 | 4.25 | ci3031661 |
| 1992-06-29T16:19:59.050Z | 33.8545 | -116.2668333 | 0.201 | 3.55 | ci3031658 |
| 1992-06-29T16:15:06.180Z | 33.895 | -116.29 | 1.351 | 3.41 | ci3031656 |
| 1992-06-29T16:10:53.970Z | 34.1188333 | -116.9901667 | 3.33 | 3.09 | ci3075997 |
| 1992-06-29T16:10:00.530Z | 33.905 | -116.3105 | 8.748 | 3 | ci12179839 |
| 1992-06-29T16:01:42.790Z | 33.8725 | -116.268 | 0.691 | 4.83 | ci3031649 |
| 1992-06-29T15:59:35.530Z | 34.412 | -116.509 | -0.313 | 3.02 | ci3031648 |
| 1992-06-29T15:55:41.570Z | 34.0981667 | -116.7551667 | 8.455 | 3.06 | ci3031646 |
| 1992-06-29T15:46:58.200Z | 34.112 | -116.412 | 3.003 | 3.33 | ci3031644 |
| 1992-06-29T15:37:36.610Z | 34.5226667 | -116.5158333 | -1.066 | 3.59 | ci3072376 |
| 1992-06-29T15:36:36.510Z | 33.8688333 | -116.2736667 | -0.359 | 3.15 | ci3031642 |
| 1992-06-29T15:18:43.300Z | 34.2251667 | -116.7461667 | 1.707 | 3.74 | ci3031635 |
| 1992-06-29T15:11:29.340Z | 34.617 | -116.508 | 4.485 | 3.07 | ci3031634 |
| 1992-06-29T14:55:22.350Z | 33.8746667 | -116.276 | 0.271 | 3.56 | ci3032239 |
| 1992-06-29T14:54:06.870Z | 34.103 | -116.418 | 3.171 | 4.24 | ci3031625 |
| 1992-06-29T14:44:46.570Z | 34.1346667 | -116.399 | 5.591 | 3.07 | ci3031624 |
| 1992-06-29T14:41:26.040Z | 34.111 | -116.9968333 | 3.311 | 4.59 | ci3031622 |
| 1992-06-29T14:34:16.580Z | 34.6395 | -116.6563333 | 4.384 | 3.41 | ci3031619 |
| 1992-06-29T14:33:13.740Z | 33.882 | -116.259 | 5.951 | 3 | ci3086337 |
| 1992-06-29T14:32:35.790Z | 34.113 | -116.407 | 3.551 | 3.6 | ci3086333 |
| 1992-06-29T14:31:30.360Z | 34.081 | -116.386 | 4.173 | 4.64 | ci3031618 |
| 1992-06-29T14:21:48.850Z | 34.0966667 | -116.428 | 1.886 | 3.31 | ci3075856 |
| 1992-06-29T14:13:38.770Z | 34.1045 | -116.39 | 11.191 | 5.08 | ci3031615 |

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|---|---|---|---|---|---|
| 1992-06-29T14:12:06.320Z | 34.104 | -116.4 | 6.313 | 4.18 | ci3031936 |
| 1992-06-29T14:08:37.730Z | 34.105 | -116.403 | 9.649 | 5.69 | ci3031935 |
| 1992-06-29T13:59:10.770Z | 34.5715 | -116.5556667 | -1.098 | 3.1 | ci3031612 |
| 1992-06-29T13:25:08.440Z | 34.146 | -116.477 | 0.484 | 3.05 | ci3031600 |
| 1992-06-29T13:20:03.590Z | 34.642 | -116.488 | 4.975 | 4.22 | ci3032289 |
| 1992-06-29T13:19:34.430Z | 34.2648333 | -116.7453333 | -1.297 | 3.1 | ci3031599 |
| 1992-06-29T13:08:32.400Z | 34.0515 | -116.3566667 | 2.986 | 3.91 | ci3031594 |
| 1992-06-29T13:04:44.030Z | 34.007 | -117.156 | 2.447 | 3.25 | ci3031592 |
| 1992-06-29T13:01:23.510Z | 34.012 | -117.151 | 4.024 | 3.56 | ci3031591 |
| 1992-06-29T12:54:15.680Z | 34.542 | -116.223 | 4.759 | 3.46 | ci3031588 |
| 1992-06-29T12:16:53.990Z | 34.299 | -116.845 | 0.343 | 3.29 | ci3031581 |
| 1992-06-29T12:14:31.990Z | 34.3391667 | -116.4581667 | 5.657 | 3.36 | ci3031580 |
| 1992-06-29T12:07:47.160Z | 34.6006667 | -116.6511667 | 2.144 | 3.14 | ci3031576 |
| 1992-06-29T11:49:17.740Z | 34.09 | -116.389 | 3.391 | 3.39 | ci3031566 |
| 1992-06-29T11:44:56.820Z | 34.601 | -116.615 | 4.816 | 4.47 | ci3101638 |
| 1992-06-29T11:35:20.450Z | 34.183 | -116.417 | -0.768 | 3.69 | ci3031563 |
| 1992-06-29T11:13:18.780Z | 34.2415 | -116.7311667 | 7.023 | 4 | ci3031559 |
| 1992-06-29T11:07:06.570Z | 34.4985 | -116.531 | -0.279 | 4.17 | ci3101481 |
| 1992-06-29T11:06:54.930Z | 34.2673333 | -116.4605 | -1.213 | 3 | ci3031556 |
| 1992-06-29T10:48:08.190Z | 34.2293333 | -116.7643333 | 0.733 | 3.46 | ci3031550 |
| 1992-06-29T10:42:40.690Z | 34.468 | -116.5086667 | -1.233 | 3.1 | ci3031548 |
| 1992-06-29T10:36:59.710Z | 34.111 | -116.411 | 0.611 | 3.86 | ci3031543 |
| 1992-06-29T10:22:49.590Z | 34.08 | -116.389 | 0.253 | 3.84 | ci3031538 |
| 1992-06-29T10:09:02.560Z | 34.592 | -116.647 | 4.834 | 3.38 | ci3031536 |
| 1992-06-29T10:00:03.720Z | 34.1965 | -116.819 | -1.613 | 3.08 | ci3031532 |
| 1992-06-29T09:53:40.760Z | 34.598 | -116.636 | 4.797 | 3 | ci3031527 |
| 1992-06-29T09:42:14.300Z | 34.57 | -116.579 | 5 | 3.08 | ci3031520 |
| 1992-06-29T09:20:20.630Z | 34.373 | -116.4588333 | 2.82 | 3.16 | ci3031504 |
| 1992-06-29T09:11:01.610Z | 34.0213333 | -116.3493333 | -0.356 | 3.3 | ci12179491 |
| 1992-06-29T09:10:56.510Z | 34.115 | -116.378 | 3.231 | 3.2 | ci3031889 |
| 1992-06-29T09:09:55.640Z | 34.582 | -116.522 | 4.638 | 3.43 | ci3031502 |
| 1992-06-29T08:15:13.120Z | 34.5111667 | -116.5346667 | -0.488 | 3.38 | ci3031486 |
| 1992-06-29T08:11:56.470Z | 34.032 | -116.359 | 1.258 | 3.06 | ci3097685 |
| 1992-06-29T08:04:28.120Z | 34.0966667 | -116.3846667 | 1.761 | 3.45 | ci3031482 |
| 1992-06-29T07:52:14.920Z | 34.6173333 | -116.678 | -0.957 | 3.71 | ci3031772 |
| 1992-06-29T07:50:58.750Z | 34.5171667 | -116.5478333 | -1.056 | 3.82 | ci3031771 |
| 1992-06-29T07:49:03.590Z | 34.1953333 | -116.8178333 | -1.083 | 3.09 | ci3031475 |
| 1992-06-29T07:36:56.060Z | 34.0598333 | -116.4126667 | -0.602 | 3.23 | ci3031473 |
| 1992-06-29T07:34:21.590Z | 34.0206667 | -116.3746667 | 2.7 | 3.11 | ci3097679 |
| 1992-06-29T07:06:23.060Z | 34.569 | -116.534 | 4.779 | 3.51 | ci3031730 |
| 1992-06-29T06:39:35.420Z | 34.261 | -116.746 | -1.443 | 3.05 | ci3074177 |
| 1992-06-29T06:20:32.020Z | 34.614 | -116.65 | 4.663 | 3.01 | ci3074526 |
| 1992-06-29T06:16:53.760Z | 34.643 | -116.512 | 4.847 | 3.66 | ci3096623 |

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|---|---|---|---|---|---|
| 1992-06-29T06:15:48.280Z | 34.091 | -116.65 | -1.489 | 3.03 | ci3096622 |
| 1992-06-29T06:02:01.910Z | 34.178 | -116.427 | 4.114 | 3.08 | ci3031436 |
| 1992-06-29T05:55:11.130Z | 34.6148333 | -116.5395 | 5.266 | 3.24 | ci3090969 |
| 1992-06-29T05:50:50.270Z | 34.105 | -116.415 | 0.233 | 3.55 | ci3031434 |
| 1992-06-29T05:48:43.420Z | 34.6338333 | -116.6663333 | 2.853 | 3.42 | ci3091388 |
| 1992-06-29T05:44:47.010Z | 34.1905 | -116.4411667 | -0.066 | 3.12 | ci3073708 |
| 1992-06-29T05:44:27.990Z | 34.307 | -116.448 | 0.008 | 3.07 | ci3073707 |
| 1992-06-29T05:43:04.380Z | 34.344 | -116.465 | 0.208 | 3.32 | ci3031429 |
| 1992-06-29T05:36:44.150Z | 34.5988333 | -116.6331667 | -0.747 | 3.7 | ci3031427 |
| 1992-06-29T05:31:43.120Z | 34.6165 | -116.6585 | -1.487 | 3.06 | ci3091362 |
| 1992-06-29T05:30:48.090Z | 34.098 | -116.386 | 1.99 | 3.36 | ci3091361 |
| 1992-06-29T04:46:59.870Z | 34.3221667 | -116.7765 | 4.087 | 3.09 | ci3031410 |
| 1992-06-29T04:41:54.760Z | 34.126 | -116.405 | 2.193 | 3.63 | ci3100336 |
| 1992-06-29T04:40:46.920Z | 34.5856667 | -116.622 | -1.317 | 3.7 | ci3031406 |
| 1992-06-29T04:36:54.370Z | 34.6026667 | -116.6518333 | -0.786 | 3.49 | ci3041109 |
| 1992-06-29T04:34:26.880Z | 34.1833333 | -116.4153333 | 7.243 | 3.85 | ci3031402 |
| 1992-06-29T04:22:03.910Z | 34.632 | -116.6446667 | 5.021 | 3.09 | ci3031397 |
| 1992-06-29T04:13:25.550Z | 34.5996667 | -116.615 | 1.277 | 3.01 | ci3073695 |
| 1992-06-29T04:12:19.740Z | 34.357 | -116.399 | 0.948 | 3.08 | ci3031391 |
| 1992-06-29T03:45:20.780Z | 34.018 | -116.357 | 1.156 | 3.44 | ci3031376 |
| 1992-06-29T03:34:34.680Z | 34.187 | -116.802 | 7.346 | 3.52 | ci3031371 |
| 1992-06-29T03:22:11.370Z | 34.121 | -116.913 | 10.714 | 3.13 | ci3098251 |
| 1992-06-29T03:19:50.000Z | 34.5015 | -116.5508333 | -1.146 | 3 | ci3073540 |
| 1992-06-29T03:08:51.110Z | 34.271 | -116.906 | 7.974 | 3.52 | ci2057227 |
| 1992-06-29T03:05:01.040Z | 34.099 | -116.435 | 1.597 | 3.59 | ci3031365 |
| 1992-06-29T03:01:56.470Z | 34.223 | -116.4413333 | 7.288 | 4.49 | ci3031947 |
| 1992-06-29T03:00:00.360Z | 34.1931667 | -116.8171667 | -1.807 | 3.05 | ci2057225 |
| 1992-06-29T02:51:24.140Z | 34.231 | -116.442 | 3.828 | 3.6 | ci2057222 |
| 1992-06-29T02:39:20.190Z | 33.881 | -116.288 | 1.93 | 3.1 | ci2057217 |
| 1992-06-29T02:27:45.890Z | 34.0151667 | -116.348 | 1.748 | 3.5 | ci12179167 |
| 1992-06-29T02:27:30.180Z | 34.5071667 | -116.5161667 | -1.442 | 3.26 | ci2057216 |
| 1992-06-29T02:21:24.400Z | 34.474 | -116.511 | 4.472 | 3.11 | ci2057213 |
| 1992-06-29T02:19:36.640Z | 34.619 | -116.664 | 4.453 | 3.08 | ci2057212 |
| 1992-06-29T02:17:20.420Z | 34.176 | -116.829 | -1.157 | 3.27 | ci2057211 |
| 1992-06-29T02:11:36.080Z | 34.36 | -116.4626667 | 3.45 | 3.17 | ci2057208 |
| 1992-06-29T02:03:53.080Z | 34.227 | -116.773 | 0.183 | 3.18 | ci2057206 |
| 1992-06-29T01:58:08.670Z | 34.4771667 | -116.5501667 | -1.116 | 3.83 | ci3031344 |
| 1992-06-29T01:52:36.160Z | 34.162 | -116.423 | 9.067 | 3.25 | ci2057203 |
| 1992-06-29T01:51:13.010Z | 34.608 | -116.609 | 4.54 | 3.32 | ci2057202 |
| 1992-06-29T01:48:05.570Z | 33.987 | -116.361 | 1.478 | 3.12 | ci2057201 |
| 1992-06-29T01:23:46.660Z | 34.045 | -116.601 | 1.232 | 3.16 | ci3040279 |
| 1992-06-29T01:22:39.730Z | 34.175 | -116.418 | -0.353 | 3.21 | ci2057195 |
| 1992-06-29T01:20:19.000Z | 34.3191667 | -116.4586667 | 0.078 | 3 | ci3040310 |

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|---|---|---|---|---|---|
| 1992-06-29T01:17:18.350Z | 34.122 | -117.003 | 3.701 | 3.23 | ci3031332 |
| 1992-06-29T01:14:58.630Z | 34.2773333 | -116.4703333 | 4.711 | 3.5 | ci12179135 |
| 1992-06-29T01:14:47.310Z | 34.6093333 | -116.62 | -1.08 | 3.67 | ci2057192 |
| 1992-06-29T01:06:16.060Z | 34.5871667 | -116.624 | -1.057 | 3.29 | ci2057189 |
| 1992-06-29T01:02:18.630Z | 34.2828333 | -116.7558333 | -1.696 | 3.38 | ci3098243 |
| 1992-06-29T01:00:36.530Z | 34.314 | -116.474 | 3.941 | 3.15 | ci2057187 |
| 1992-06-29T00:55:06.580Z | 34.148 | -116.464 | 2.34 | 3.05 | ci3071809 |
| 1992-06-29T00:54:15.990Z | 34.352 | -116.479 | -1.496 | 3.29 | ci2057186 |
| 1992-06-29T00:48:09.770Z | 34.637 | -116.526 | 5.018 | 3.21 | ci2057185 |
| 1992-06-29T00:40:31.880Z | 34.519 | -116.5205 | 4.472 | 3.2 | ci12179111 |
| 1992-06-29T00:39:40.780Z | 34.101 | -116.377 | 1.92 | 4.03 | ci3068585 |
| 1992-06-29T00:37:09.870Z | 34.422 | -116.509 | -1.048 | 3.19 | ci3071418 |
| 1992-06-29T00:34:28.330Z | 34.5093333 | -116.5011667 | 5.068 | 3.14 | ci2057181 |
| 1992-06-29T00:26:14.010Z | 34.223 | -116.766 | 4.153 | 3.1 | ci3086147 |
| 1992-06-29T00:25:24.770Z | 34.137 | -116.406 | 0.553 | 3.16 | ci3086145 |
| 1992-06-29T00:24:33.710Z | 34.54 | -116.552 | 4.387 | 3.34 | ci3031315 |
| 1992-06-29T00:13:35.090Z | 34.266 | -116.715 | 4.759 | 3.2 | ci3031313 |
| 1992-06-28T23:52:10.810Z | 34.516 | -116.531 | 4.546 | 3.15 | ci3031307 |
| 1992-06-28T23:50:45.470Z | 34.16 | -116.398 | 0.593 | 3.19 | ci3031306 |
| 1992-06-28T23:43:03.320Z | 34.624 | -116.649 | 4.797 | 3.14 | ci3073358 |
| 1992-06-28T23:33:48.630Z | 34.175 | -116.415 | -0.898 | 3.21 | ci3031926 |
| 1992-06-28T23:33:28.620Z | 34.167 | -116.414 | 0.033 | 3.57 | ci3031302 |
| 1992-06-28T23:29:24.820Z | 34.2186667 | -116.8593333 | 0.23 | 3.01 | ci3031299 |
| 1992-06-28T23:24:51.320Z | 34.1971667 | -116.434 | -0.836 | 3.4 | ci3074189 |
| 1992-06-28T23:23:21.220Z | 34.1191667 | -116.3955 | 0.923 | 3.55 | ci3031298 |
| 1992-06-28T23:16:43.420Z | 34.272 | -116.699 | 2.007 | 3.25 | ci3031296 |
| 1992-06-28T23:13:32.700Z | 34.2078333 | -116.7866667 | -1.613 | 3.23 | ci3031295 |
| 1992-06-28T23:02:48.470Z | 34.3088333 | -116.6605 | -1.014 | 3.4 | ci3031293 |
| 1992-06-28T22:58:52.340Z | 34.4328333 | -116.524 | 2.184 | 3.65 | ci3031290 |
| 1992-06-28T22:56:23.650Z | 34.104 | -116.734 | 7.657 | 3.51 | ci3031288 |
| 1992-06-28T22:51:55.490Z | 34.0956667 | -116.3886667 | -0.387 | 3.09 | ci3031287 |
| 1992-06-28T22:50:49.940Z | 34.2215 | -116.8808333 | -1.313 | 3.23 | ci3031286 |
| 1992-06-28T22:48:30.730Z | 34.032 | -117.1495 | 13.79 | 3 | ci12179019 |
| 1992-06-28T22:48:22.850Z | 34.1381667 | -116.4545 | 12.15 | 4.18 | ci3031284 |
| 1992-06-28T22:41:31.820Z | 34.085 | -116.402 | 4.633 | 3.51 | ci3031283 |
| 1992-06-28T22:39:51.400Z | 34.5496667 | -116.5573333 | 5.025 | 3.1 | ci3031281 |
| 1992-06-28T22:23:46.400Z | 34.482 | -116.493 | 4.504 | 3.18 | ci3031274 |
| 1992-06-28T22:21:39.120Z | 34.179 | -116.813 | 1.822 | 3.67 | ci3031273 |
| 1992-06-28T22:20:08.800Z | 34.177 | -116.827 | 1.732 | 3 | ci3066217 |
| 1992-06-28T22:17:58.110Z | 34.117 | -116.415 | 1.669 | 3.64 | ci3031866 |
| 1992-06-28T22:17:16.630Z | 34.16 | -116.834 | 7.61 | 3.26 | ci3031272 |
| 1992-06-28T22:15:46.080Z | 34.036 | -116.353 | 1.819 | 3 | ci3031531 |
| 1992-06-28T22:15:02.840Z | 34.068 | -116.364 | 2.75 | 3 | ci3031528 |

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|---|---|---|---|---|---|
| 1992-06-28T22:13:12.090Z | 34.0453333 | -116.353 | 9.36 | 4.01 | ci2057138 |
| 1992-06-28T22:07:50.020Z | 34.618 | -116.674 | 4.674 | 3.54 | ci2057137 |
| 1992-06-28T22:03:23.500Z | 34.2361667 | -116.7888333 | 3.253 | 3.57 | ci2057136 |
| 1992-06-28T21:56:46.060Z | 34.2018333 | -116.7745 | -0.847 | 3.44 | ci2057135 |
| 1992-06-28T21:55:39.370Z | 34.1325 | -116.867 | 8.061 | 3.68 | ci3031266 |
| 1992-06-28T21:54:02.830Z | 34.621 | -116.612 | 4.54 | 3.27 | ci2057134 |
| 1992-06-28T21:51:28.580Z | 34.3445 | -116.4706667 | -0.127 | 3 | ci3031468 |
| 1992-06-28T21:51:03.330Z | 34.6496667 | -116.5978333 | -0.725 | 3 | ci12178987 |
| 1992-06-28T21:49:51.270Z | 34.02 | -116.352 | 2.448 | 3.33 | ci2057133 |
| 1992-06-28T21:46:43.540Z | 34.1278333 | -116.8691667 | 8.759 | 3.36 | ci2057132 |
| 1992-06-28T21:45:13.260Z | 34.613 | -116.652 | 4.797 | 3.24 | ci3031260 |
| 1992-06-28T21:44:33.070Z | 34.022 | -116.35 | 1.291 | 3.07 | ci3031258 |
| 1992-06-28T21:40:18.700Z | 34.124 | -116.736 | 9.695 | 3.39 | ci3031256 |
| 1992-06-28T21:38:51.160Z | 34.4141667 | -116.4776667 | 2.007 | 3.28 | ci3031255 |
| 1992-06-28T21:30:50.970Z | 34.6361667 | -116.6305 | 4.51 | 3 | ci12178967 |
| 1992-06-28T21:27:07.860Z | 34.101 | -116.8953333 | 2.057 | 3.17 | ci3031252 |
| 1992-06-28T21:24:39.820Z | 34.1256667 | -116.4101667 | 2.513 | 3.21 | ci3099952 |
| 1992-06-28T21:24:01.140Z | 34.106 | -116.422 | 2.493 | 3.02 | ci3099951 |
| 1992-06-28T21:23:17.040Z | 34.235 | -116.751 | 8.807 | 3.47 | ci3031251 |
| 1992-06-28T21:22:08.900Z | 34.1636667 | -116.433 | 2.843 | 3.32 | ci3031249 |
| 1992-06-28T21:19:00.910Z | 34.223 | -116.7556667 | -0.597 | 3.23 | ci3031247 |
| 1992-06-28T21:16:44.550Z | 34.6478333 | -116.705 | -0.786 | 3.53 | ci3031246 |
| 1992-06-28T21:13:16.470Z | 34.095 | -116.427 | 2.983 | 4.67 | ci3031245 |
| 1992-06-28T21:09:14.770Z | 34.248 | -116.746 | 8.099 | 3.24 | ci3031242 |
| 1992-06-28T20:58:13.590Z | 34.5963333 | -116.6505 | 0.017 | 3.58 | ci3031238 |
| 1992-06-28T20:54:49.700Z | 34.1941667 | -116.819 | -1.413 | 3.3 | ci3031236 |
| 1992-06-28T20:51:32.040Z | 34.1968333 | -116.7821667 | 8.427 | 4.12 | ci3031235 |
| 1992-06-28T20:46:49.040Z | 34.0266667 | -116.3765 | 1.211 | 3.46 | ci3031902 |
| 1992-06-28T20:37:47.170Z | 34.4598333 | -116.5178333 | -0.403 | 3.1 | ci3031230 |
| 1992-06-28T20:23:18.400Z | 34.1253333 | -116.4246667 | 1.343 | 3.6 | ci3031228 |
| 1992-06-28T20:19:07.830Z | 34.639 | -116.677 | 4.797 | 3.01 | ci3096759 |
| 1992-06-28T20:14:37.060Z | 34.1885 | -116.8103333 | 1.192 | 3.02 | ci3096753 |
| 1992-06-28T20:13:19.330Z | 34.0476667 | -116.3608333 | 2.111 | 3.2 | ci3096750 |
| 1992-06-28T20:12:40.600Z | 34.0976667 | -116.3823333 | 0.683 | 3.07 | ci3096749 |
| 1992-06-28T20:11:09.920Z | 34.0196667 | -116.358 | 1.416 | 3.2 | ci3065017 |
| 1992-06-28T20:10:03.730Z | 34.156 | -116.4491667 | 0.411 | 3.24 | ci3031224 |
| 1992-06-28T20:05:31.190Z | 34.629 | -116.6625 | 9.106 | 3.22 | ci3066225 |
| 1992-06-28T20:04:25.310Z | 33.8615 | -116.3063333 | 1.47 | 3.63 | ci3031222 |
| 1992-06-28T20:01:17.340Z | 34.2648333 | -116.4583333 | 0.405 | 3.38 | ci3031220 |
| 1992-06-28T19:58:51.330Z | 34.23 | -116.852 | 1.01 | 3.03 | ci3031219 |
| 1992-06-28T19:55:02.730Z | 34.062 | -116.404 | 1.876 | 3.24 | ci3031217 |
| 1992-06-28T19:53:28.890Z | 34.2458333 | -116.4576667 | 4.034 | 3.07 | ci3031216 |
| 1992-06-28T19:46:53.920Z | 34.243 | -116.436 | 2.463 | 3.47 | ci3031214 |

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|---|---|---|---|---|---|
| 1992-06-28T19:42:27.440Z | 34.6163333 | -116.652 | -0.966 | 3.5 | ci12178843 |
| 1992-06-28T19:42:14.460Z | 34.188 | -116.44 | 1.114 | 3.7 | ci3031212 |
| 1992-06-28T19:36:36.170Z | 34.517 | -116.5341667 | 4.504 | 3.53 | ci3031828 |
| 1992-06-28T19:35:41.720Z | 34.6008333 | -116.5961667 | -0.765 | 3 | ci12178851 |
| 1992-06-28T19:30:24.120Z | 34.2535 | -116.7485 | -1.613 | 3.6 | ci3031209 |
| 1992-06-28T19:26:37.570Z | 34.183 | -116.802 | -0.578 | 4.17 | ci3031208 |
| 1992-06-28T19:19:09.490Z | 34.296 | -116.844 | 0.197 | 3.73 | ci3031207 |
| 1992-06-28T19:13:06.900Z | 34.091 | -116.393 | 2.371 | 3.65 | ci3032411 |
| 1992-06-28T19:11:17.250Z | 34.153 | -116.46 | 3.487 | 3.8 | ci3031205 |
| 1992-06-28T19:00:26.300Z | 34.2546667 | -116.7468333 | -1.276 | 3.8 | ci3031201 |
| 1992-06-28T18:59:24.360Z | 34.61 | -116.689 | 4.553 | 3.05 | ci3099100 |
| 1992-06-28T18:58:47.020Z | 34.1776667 | -116.8171667 | 3.36 | 3.27 | ci3031200 |
| 1992-06-28T18:57:55.190Z | 34.29 | -116.452 | 6.188 | 3 | ci3031199 |
| 1992-06-28T18:56:13.570Z | 34.3511667 | -116.4878333 | 9.647 | 3 | ci12178771 |
| 1992-06-28T18:55:02.350Z | 34.2256667 | -116.8733333 | 0.437 | 3.55 | ci3031198 |
| 1992-06-28T18:53:18.860Z | 34.1965 | -116.7988333 | 5.527 | 3.53 | ci3031197 |
| 1992-06-28T18:48:26.540Z | 34.1925 | -116.7923333 | 1.157 | 3.05 | ci3031196 |
| 1992-06-28T18:43:57.300Z | 34.0538333 | -116.3716667 | 1.176 | 3.44 | ci3031195 |
| 1992-06-28T18:40:38.110Z | 34.043 | -116.364 | 2.633 | 3.17 | ci3031194 |
| 1992-06-28T18:27:33.780Z | 34.5686667 | -116.5886667 | 1.538 | 3.35 | ci3042334 |
| 1992-06-28T18:26:33.350Z | 34.256 | -116.438 | 2.888 | 3.54 | ci3042326 |
| 1992-06-28T18:26:01.360Z | 34.3303333 | -116.7098333 | 9.641 | 3 | ci12178747 |
| 1992-06-28T18:25:39.780Z | 34.2216667 | -116.774 | 5.345 | 3.3 | ci12178743 |
| 1992-06-28T18:25:30.400Z | 34.2088333 | -116.818 | 4.224 | 3.56 | ci3031191 |
| 1992-06-28T18:23:56.940Z | 34.163 | -116.854 | 2.602 | 3.36 | ci3031189 |
| 1992-06-28T18:22:51.410Z | 34.072 | -116.37 | 3.243 | 3.17 | ci3031188 |
| 1992-06-28T18:18:20.470Z | 34.025 | -116.347 | 1.81 | 3.82 | ci3031187 |
| 1992-06-28T18:13:27.660Z | 33.9788333 | -116.3803333 | 5.085 | 3 | ci3031185 |
| 1992-06-28T18:01:52.840Z | 34.2478333 | -116.9011667 | 6.037 | 3.38 | ci3031182 |
| 1992-06-28T18:00:29.440Z | 34.2386667 | -116.9061667 | 0.424 | 3.82 | ci3031180 |
| 1992-06-28T17:54:49.780Z | 34.257 | -116.887 | 4.812 | 3.28 | ci3031178 |
| 1992-06-28T17:53:10.840Z | 34.207 | -116.827 | 2.452 | 3 | ci3042312 |
| 1992-06-28T17:52:38.940Z | 34.181 | -116.794 | 3.362 | 3.52 | ci3042302 |
| 1992-06-28T17:48:32.370Z | 34.218 | -116.751 | -0.393 | 4.46 | ci3031176 |
| 1992-06-28T17:45:34.540Z | 34.133 | -116.86 | -0.006 | 3.63 | ci3031360 |
| 1992-06-28T17:44:30.150Z | 34.16 | -116.852 | 3.737 | 3.99 | ci3031173 |
| 1992-06-28T17:42:32.400Z | 34.238 | -116.902 | 5.103 | 3.94 | ci3031172 |
| 1992-06-28T17:41:23.330Z | 34.336 | -116.4626667 | 4.791 | 3.5 | ci12178691 |
| 1992-06-28T17:39:52.040Z | 34.3601667 | -116.4716667 | 5.085 | 4.04 | ci3031171 |
| 1992-06-28T17:39:43.050Z | 34.431 | -116.5176667 | 4.791 | 3.5 | ci3099073 |
| 1992-06-28T17:32:30.240Z | 34.1963333 | -116.8188333 | -0.033 | 3.98 | ci3032263 |
| 1992-06-28T17:31:21.510Z | 34.2893333 | -116.4435 | 7.734 | 4.14 | ci3031170 |
| 1992-06-28T17:25:42.180Z | 34.237 | -116.75 | 2.302 | 3.58 | ci3031169 |

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|---|---|---|---|---|---|
| 1992-06-28T17:21:27.310Z | 34.225 | -116.862 | -0.05 | 4.16 | ci3031168 |
| 1992-06-28T17:19:22.050Z | 34.0206667 | -116.3621667 | 1.057 | 3.5 | ci3031297 |
| 1992-06-28T17:18:42.160Z | 34.2486667 | -116.7823333 | -0.947 | 3.5 | ci3031289 |
| 1992-06-28T17:18:30.010Z | 34.1833333 | -116.8083333 | 5.737 | 4.19 | ci3031166 |
| 1992-06-28T17:14:38.670Z | 34.3491667 | -116.6173333 | 5.281 | 3.68 | ci3096743 |
| 1992-06-28T17:14:25.760Z | 34.318 | -116.861 | 5.059 | 3 | ci3031162 |
| 1992-06-28T17:10:41.940Z | 34.2408333 | -116.9021667 | 7.014 | 3.34 | ci3031158 |
| 1992-06-28T17:05:57.560Z | 34.255 | -116.912 | 6.553 | 5.26 | ci3031157 |
| 1992-06-28T17:04:14.220Z | 34.0111667 | -116.3586667 | 1.867 | 3.52 | ci3031291 |
| 1992-06-28T17:04:00.300Z | 34.2075 | -116.7786667 | 11.776 | 3 | ci12178655 |
| 1992-06-28T17:01:32.010Z | 34.1788333 | -116.9246667 | 9.226 | 4.98 | ci3031154 |
| 1992-06-28T16:53:40.580Z | 34.3221667 | -116.4596667 | 5.067 | 3 | ci3098918 |
| 1992-06-28T16:52:28.670Z | 34.056 | -116.371 | 3.28 | 3.65 | ci3031151 |
| 1992-06-28T16:49:10.730Z | 34.246 | -116.878 | 2.32 | 3.43 | ci3031149 |
| 1992-06-28T16:45:14.990Z | 34.1461667 | -116.4341667 | 0.903 | 3 | ci3045459 |
| 1992-06-28T16:40:41.660Z | 34.162 | -116.8128333 | 6.049 | 3.62 | ci3031147 |
| 1992-06-28T16:35:08.110Z | 34.0785 | -116.3995 | 2.92 | 3.5 | ci12178635 |
| 1992-06-28T16:34:40.600Z | 34.138 | -116.4415 | 5.606 | 3.3 | ci12178631 |
| 1992-06-28T16:33:59.070Z | 34.268 | -116.708 | 3.947 | 3.2 | ci12178627 |
| 1992-06-28T16:33:08.870Z | 34.59 | -116.64 | 4.663 | 4.12 | ci3031747 |
| 1992-06-28T16:32:10.630Z | 34.595 | -116.622 | 4.779 | 4.34 | ci3031146 |
| 1992-06-28T16:27:11.910Z | 34.0225 | -116.3806667 | 2.783 | 3 | ci3031145 |
| 1992-06-28T16:17:19.340Z | 34.208 | -116.756 | 5.195 | 4.24 | ci3031142 |
| 1992-06-28T16:16:00.110Z | 34.1351667 | -116.4111667 | 5.25 | 3 | ci12178607 |
| 1992-06-28T16:15:28.560Z | 34.1476667 | -116.8556667 | 2.434 | 3.2 | ci3045463 |
| 1992-06-28T16:10:26.080Z | 34.1768333 | -116.8356667 | 1.047 | 4.2 | ci12178595 |
| 1992-06-28T16:09:53.820Z | 34.047 | -116.3705 | 0.07 | 4.21 | ci3031690 |
| 1992-06-28T16:08:37.580Z | 34.219 | -116.754 | 3.816 | 4.18 | ci3031141 |
| 1992-06-28T16:01:15.210Z | 34.0345 | -116.3755 | 1.768 | 4.33 | ci3031140 |
| 1992-06-28T15:57:01.590Z | 34.066 | -116.392 | 2.263 | 3.16 | ci3045886 |
| 1992-06-28T15:56:11.690Z | 34.218 | -116.751 | -0.517 | 4.01 | ci3045876 |
| 1992-06-28T15:55:22.350Z | 34.0263333 | -116.359 | 3.488 | 3.1 | ci3045469 |
| 1992-06-28T15:53:14.130Z | 34.2166667 | -116.733 | -0.869 | 4.15 | ci3031137 |
| 1992-06-28T15:48:14.310Z | 34.15 | -116.848 | 5.138 | 3.16 | ci3031135 |
| 1992-06-28T15:46:56.730Z | 34.147 | -116.8365 | 9.14 | 3.73 | ci3066230 |
| 1992-06-28T15:46:48.920Z | 34.1643333 | -116.818 | 5.328 | 3 | ci12178575 |
| 1992-06-28T15:45:54.900Z | 34.0655 | -116.401 | -0.403 | 4.18 | ci3045923 |
| 1992-06-28T15:26:54.430Z | 34.2115 | -116.763 | 5.266 | 3.5 | ci12178571 |
| 1992-06-28T15:25:20.300Z | 34.2015 | -116.7978333 | 4.652 | 4.27 | ci3031248 |
| 1992-06-28T15:24:29.430Z | 34.2011667 | -116.751 | 5.266 | 4.76 | ci3031134 |
| 1992-06-28T15:20:16.900Z | 34.0545 | -116.4015 | 3.376 | 4 | ci12178567 |
| 1992-06-28T15:18:33.190Z | 34.2025 | -116.7583333 | 7.761 | 4.58 | ci3031129 |
| 1992-06-28T15:17:14.010Z | 34.1111667 | -116.8751667 | 3.64 | 4.66 | ci3037203 |

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|---|---|---|---|---|---|
| 1992-06-28T15:17:10.390Z | 34.1698333 | -116.86 | 3.419 | 4 | ci12178563 |
| 1992-06-28T15:15:33.730Z | 34.1608333 | -116.8525 | 4.914 | 3 | ci3031128 |
| 1992-06-28T15:11:38.000Z | 34.1693333 | -116.8388333 | 6.094 | 3 | ci12178551 |
| 1992-06-28T15:10:25.930Z | 34.1925 | -116.7663333 | 5.911 | 3 | ci12178543 |
| 1992-06-28T15:08:03.960Z | 34.231 | -116.7893333 | 13.095 | 3 | ci12178531 |
| 1992-06-28T15:05:30.730Z | 34.203 | -116.827 | 3.634 | 6.3 | ci3031425 |
| 1992-06-28T15:04:51.500Z | 34.1595 | -116.8246667 | 11.363 | 4.54 | ci2057011 |
| 1992-06-28T14:59:14.160Z | 34.19 | -116.864 | 11.363 | 3.37 | ci2057009 |
| 1992-06-28T14:43:21.850Z | 34.162 | -116.852 | 9.615 | 5.53 | ci2057008 |
| 1992-06-28T14:43:10.160Z | 34.1581667 | -116.4178333 | 9.298 | 3 | ci12178523 |
| 1992-06-28T14:40:50.000Z | 34.6178333 | -116.64 | 4.556 | 3 | ci12178519 |
| 1992-06-28T14:39:06.910Z | 34.089 | -116.425 | -0.867 | 4.35 | ci2057007 |
| 1992-06-28T14:35:34.030Z | 34.2485 | -116.4313333 | 5.177 | 3.32 | ci3031122 |
| 1992-06-28T14:32:30.990Z | 34.5938333 | -116.6435 | 4.522 | 3.4 | ci3071986 |
| 1992-06-28T14:32:09.460Z | 34.6115 | -116.4993333 | 5.225 | 3.54 | ci3031121 |
| 1992-06-28T14:30:27.820Z | 34.4193333 | -116.481 | 5.834 | 3 | ci12178511 |
| 1992-06-28T14:29:02.390Z | 34.61 | -116.642 | 4.625 | 4.03 | ci2057004 |
| 1992-06-28T14:10:26.520Z | 34.365 | -116.463 | -1.144 | 3.01 | ci3031203 |
| 1992-06-28T14:09:28.820Z | 34.111 | -116.646 | 4.703 | 4.14 | ci2057003 |
| 1992-06-28T13:52:45.700Z | 34.122 | -116.4435 | 5.076 | 3.5 | ci12178495 |
| 1992-06-28T13:51:43.270Z | 34.1396667 | -116.471 | 5.043 | 4 | ci12178491 |
| 1992-06-28T13:50:46.160Z | 34.109 | -116.403 | 4.664 | 4.95 | ci3031243 |
| 1992-06-28T13:50:16.340Z | 34.084 | -116.3566667 | 5.422 | 4.22 | ci2056998 |
| 1992-06-28T13:46:51.920Z | 34.5176667 | -116.5875 | 5.132 | 3 | ci3031112 |
| 1992-06-28T13:40:55.840Z | 34.1778333 | -116.4513333 | 4.794 | 4.17 | ci2056995 |
| 1992-06-28T13:36:00.360Z | 34.419 | -116.476 | 3.726 | 3 | ci3031107 |
| 1992-06-28T13:35:38.280Z | 33.971 | -116.512 | 3.726 | 3 | ci3031106 |
| 1992-06-28T13:26:05.200Z | 34.16 | -116.407 | 4.778 | 4.88 | ci2056989 |
| 1992-06-28T13:23:45.100Z | 34.218 | -116.447 | 0.12 | 3.68 | ci3054996 |
| 1992-06-28T13:23:10.110Z | 34.112 | -116.425 | 1.838 | 3.36 | ci3055050 |
| 1992-06-28T13:19:24.530Z | 34.115 | -116.418 | 1.508 | 3.22 | ci3055586 |
| 1992-06-28T13:18:15.940Z | 34.093 | -116.391 | -0.739 | 4.5 | ci3055321 |
| 1992-06-28T13:17:48.040Z | 34.1371667 | -116.4148333 | 7.12 | 4.11 | ci3031104 |
| 1992-06-28T13:13:37.440Z | 34.3178333 | -116.412 | 3.804 | 3.8 | ci12178483 |
| 1992-06-28T13:10:50.210Z | 34.4183333 | -116.4406667 | 4.652 | 4.87 | ci2056985 |
| 1992-06-28T13:08:15.830Z | 34.3223333 | -116.4766667 | 0.6 | 3.5 | ci12178479 |
| 1992-06-28T13:06:48.750Z | 33.8728333 | -116.3363333 | 9.05 | 4.3 | ci12178475 |
| 1992-06-28T13:06:40.840Z | 34.3605 | -116.4825 | 5.534 | 4 | ci3031101 |
| 1992-06-28T12:57:30.750Z | 34.237 | -116.811 | 10 | 3.3 | usp00059st |
| 1992-06-28T12:56:09.810Z | 34.4758333 | -116.5198333 | 4.622 | 4.29 | ci2056982 |
| 1992-06-28T12:43:58.990Z | 34.113 | -116.427 | 2.54 | 4.44 | ci3031099 |
| 1992-06-28T12:40:53.570Z | 34.3411667 | -116.5106667 | 4.388 | 5.41 | ci2056980 |
| 1992-06-28T12:36:40.770Z | 34.115 | -116.4263333 | 7.502 | 5.49 | ci2056979 |

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|---|---|---|---|---|---|
| 1992-06-28T12:27:38.780Z | 34.478 | -116.6395 | 5.149 | 4.2 | ci3031160 |
| 1992-06-28T12:20:45.280Z | 34.592 | -116.6658333 | -1.329 | 4 | ci12178467 |
| 1992-06-28T12:18:51.190Z | 34.17 | -116.79 | -1.306 | 3 | ci3102532 |
| 1992-06-28T12:17:49.450Z | 34.5038333 | -116.64 | 1.619 | 3.5 | ci2056973 |
| 1992-06-28T12:02:58.610Z | 34.1511667 | -116.3546667 | 4.856 | 4.5 | ci12178459 |
| 1992-06-28T12:02:31.080Z | 34.1031667 | -116.4246667 | 5.586 | 5 | ci12178455 |
| 1992-06-28T12:02:16.960Z | 34.0605 | -116.4726667 | 5.378 | 5 | ci12178451 |
| 1992-06-28T12:01:16.190Z | 34.12 | -116.323 | 5.706 | 5.7 | ci3043630 |
| 1992-06-28T12:00:45.000Z | 34.131 | -116.408 | -1.1 | 5.77 | ci3043549 |
| 1992-06-28T11:57:34.130Z | 34.2 | -116.437 | -0.097 | 7.3 | ci3031111 |
| 1992-06-28T09:42:43.760Z | 34.192 | -116.439 | -1.067 | 3.09 | ci3031131 |
| 1992-06-28T09:42:30.640Z | 34.1906667 | -116.4416667 | -1.067 | 3.07 | ci2056955 |
| 1992-06-28T05:54:41.070Z | 34.2 | -116.437 | -0.847 | 3.6 | ci2056932 |
| 1992-06-26T14:16:31.060Z | 34.039 | -116.316 | 7.265 | 3.34 | ci2056787 |
| 1992-06-24T08:04:44.590Z | 34.412 | -116.808 | -0.545 | 3.58 | ci2056607 |
| 1992-06-22T17:17:25.690Z | 33.994 | -116.316 | 8.858 | 3.14 | ci2056454 |
| 1992-06-19T20:42:22.360Z | 34 | -116.317 | 4.258 | 3.51 | ci2056217 |
| 1992-06-18T08:06:13.040Z | 34.052 | -116.329 | -0.325 | 3.01 | ci2056062 |
| 1992-06-14T15:50:47.110Z | 34.024 | -116.353 | 1.228 | 3.17 | ci2055624 |
| 1992-06-12T23:24:48.250Z | 33.203 | -116.271 | 8.667 | 3.48 | ci2055511 |
| 1992-06-11T02:41:00.940Z | 34.178 | -116.352 | -0.333 | 3.32 | ci2055360 |
| 1992-06-11T00:24:19.180Z | 34.174 | -116.35 | -0.283 | 4.34 | ci2055346 |
| 1992-06-04T17:09:28.170Z | 33.953 | -116.311 | 4.328 | 3.22 | ci2054645 |
| 1992-06-04T05:22:22.280Z | 33.983 | -116.262 | 4.298 | 3.01 | ci2054570 |
| 1992-06-03T08:54:40.870Z | 34.003 | -116.325 | 2.748 | 3.1 | ci2054500 |
| 1992-05-31T11:38:45.300Z | 34.581 | -116.836 | 1.105 | 3.62 | ci2054196 |
| 1992-05-31T10:53:16.730Z | 34.582 | -116.837 | 0.275 | 3.14 | ci2054193 |
| 1992-05-28T21:52:30.210Z | 33.958 | -116.339 | 4.988 | 3.53 | ci2053960 |
| 1992-05-23T18:22:52.870Z | 33.973 | -116.353 | 3.403 | 3.04 | ci2053372 |
| 1992-05-19T12:19:32.830Z | 33.439 | -116.575 | 8.68 | 3.12 | ci2052860 |
| 1992-05-19T12:15:27.640Z | 33.945 | -116.342 | 4.361 | 3.2 | ci2052858 |
| 1992-05-18T23:50:20.210Z | 33.961 | -116.34 | 4.786 | 3.33 | ci2052792 |
| 1992-05-18T20:39:41.440Z | 34.041 | -116.292 | -0.233 | 3.02 | ci2052769 |
| 1992-05-18T20:36:56.690Z | 33.948 | -116.338 | 4.231 | 3.05 | ci2052768 |
| 1992-05-18T15:45:04.930Z | 33.9545 | -116.3396667 | 4.429 | 3.9 | ci12178375 |
| 1992-05-18T15:44:17.970Z | 33.951 | -116.337 | 6.131 | 4.96 | ci2052730 |
| 1992-05-18T00:22:34.220Z | 33.95 | -116.36 | 7.211 | 3.64 | ci2052663 |
| 1992-05-17T06:21:31.500Z | 33.96 | -116.316 | 8.796 | 3.34 | ci2052572 |
| 1992-05-15T09:24:03.900Z | 33.988 | -116.284 | 2.412 | 3.03 | ci2052340 |
| 1992-05-15T01:36:50.360Z | 33.951 | -116.317 | 7.566 | 3.26 | ci2052311 |
| 1992-05-14T11:22:19.210Z | 33.986 | -116.29 | 0.88 | 3.01 | ci2052209 |
| 1992-05-14T06:58:17.840Z | 34.004 | -116.324 | 5.225 | 3.02 | ci2052191 |
| 1992-05-12T08:41:44.650Z | 33.979 | -116.262 | 4.194 | 3.13 | ci2051911 |

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|---|---|---|---|---|---|
| 1992-05-12T02:59:21.840Z | 33.979 | -116.258 | 3.716 | 3.36 | ci2051868 |
| 1992-05-12T02:32:52.540Z | 33.985 | -116.258 | 3.802 | 3.9 | ci3024923 |
| 1992-05-12T02:31:27.940Z | 33.979 | -116.259 | -1.051 | 4.44 | ci3024922 |
| 1992-05-12T02:31:11.010Z | 33.981 | -116.26 | 5.845 | 4.38 | ci2051863 |
| 1992-05-10T17:51:05.280Z | 33.93 | -116.315 | 4.229 | 3.02 | ci2051659 |
| 1992-05-10T02:26:26.550Z | 33.978 | -116.259 | 3.826 | 3.14 | ci2051558 |
| 1992-05-09T19:32:47.320Z | 33.979 | -116.262 | 3.836 | 3.13 | ci2051520 |
| 1992-05-08T15:10:59.060Z | 34.043 | -116.329 | 0.575 | 3.03 | ci2051341 |
| 1992-05-07T12:24:30.200Z | 33.969 | -116.354 | 0.643 | 3.35 | ci2051165 |
| 1992-05-07T02:34:54.120Z | 34.028 | -116.309 | -0.658 | 3.42 | ci2051110 |
| 1992-05-06T17:41:19.220Z | 33.947 | -116.315 | 4.426 | 3.58 | ci2051032 |
| 1992-05-06T16:31:43.370Z | 33.933 | -116.316 | 4.366 | 3.23 | ci2051024 |
| 1992-05-06T05:10:43.910Z | 33.94 | -116.315 | 5.716 | 3.51 | ci2050956 |
| 1992-05-06T03:20:08.960Z | 33.951 | -116.32 | 3.356 | 3.1 | ci2050942 |
| 1992-05-06T02:38:43.350Z | 33.943 | -116.314 | 6.206 | 4.83 | ci2050937 |
| 1992-05-06T01:40:21.380Z | 34.032 | -116.314 | 2.185 | 3.25 | ci2050929 |
| 1992-05-05T01:06:44.770Z | 34.01 | -116.319 | 0.315 | 3.1 | ci2050725 |
| 1992-05-05T00:55:30.170Z | 34.002 | -116.336 | 0.435 | 3.31 | ci2050724 |
| 1992-05-04T16:47:22.090Z | 33.937 | -116.308 | 8.496 | 3.03 | ci2050653 |
| 1992-05-04T16:19:49.720Z | 33.941 | -116.304 | 11.766 | 4.98 | ci2050647 |
| 1992-05-04T07:24:14.090Z | 34.062 | -116.319 | -1.123 | 3.18 | ci2050583 |
| 1992-05-04T01:16:13.940Z | 33.9361667 | -116.3395 | 7.506 | 3 | ci12178271 |
| 1992-05-04T01:16:02.560Z | 33.939 | -116.341 | 5.156 | 4.19 | ci2050538 |
| 1992-05-03T00:37:09.880Z | 33.94 | -116.303 | 0.021 | 3.31 | ci2050343 |
| 1992-05-02T19:10:23.740Z | 33.991 | -116.286 | 2.721 | 3.6 | ci2050291 |
| 1992-05-02T13:41:59.370Z | 33.995 | -116.28 | 4.011 | 3.23 | ci2050248 |
| 1992-05-02T13:29:54.500Z | 33.995 | -116.283 | 2.601 | 3.1 | ci2050247 |
| 1992-05-02T12:46:53.290Z | 33.9943333 | -116.277 | 6.904 | 4.1 | ci12178263 |
| 1992-05-02T12:46:41.420Z | 33.989 | -116.287 | 3.031 | 4.18 | ci2050243 |
| 1992-05-02T07:04:32.810Z | 33.998 | -116.093 | -0.285 | 3.01 | ci2050194 |
| 1992-05-01T13:38:42.040Z | 33.938 | -116.315 | 4.208 | 3.97 | ci2050038 |
| 1992-05-01T08:19:08.280Z | 33.979 | -116.315 | 0.626 | 3 | ci2050002 |
| 1992-05-01T06:03:27.420Z | 34.035 | -116.321 | 4.603 | 3.41 | ci2049987 |
| 1992-04-30T22:43:04.420Z | 34.034 | -116.318 | -0.262 | 3.02 | ci2049922 |
| 1992-04-30T20:36:32.540Z | 33.958 | -116.295 | -0.657 | 3.1 | ci2049899 |
| 1992-04-30T13:32:44.120Z | 33.946 | -116.316 | 4.208 | 3.15 | ci2049830 |
| 1992-04-30T01:50:43.460Z | 34.021 | -116.093 | -0.139 | 3.96 | ci2049720 |
| 1992-04-29T18:32:40.560Z | 33.985 | -116.263 | 2.504 | 3.07 | ci2049642 |
| 1992-04-29T13:10:46.180Z | 33.944 | -116.303 | 0.353 | 3.05 | ci2049586 |
| 1992-04-29T03:13:52.920Z | 33.979 | -116.272 | 0.665 | 3 | ci3118562 |
| 1992-04-28T19:36:14.000Z | 33.977 | -116.271 | -0.75 | 3.62 | ci2049391 |
| 1992-04-28T15:25:16.430Z | 33.96 | -116.325 | 3.523 | 3.52 | ci2049333 |
| 1992-04-28T14:32:46.360Z | 33.948 | -116.298 | -0.763 | 3.1 | ci2049322 |

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|---|---|---|---|---|---|
| 1992-04-28T14:27:00.280Z | 33.949 | -116.297 | -0.437 | 3.88 | ci2049321 |
| 1992-04-28T11:33:26.630Z | 33.938 | -116.298 | -0.877 | 4.09 | ci3020731 |
| 1992-04-28T11:32:14.360Z | 34.034 | -116.298 | -0.144 | 3.17 | ci2049292 |
| 1992-04-28T11:13:20.080Z | 33.94 | -116.301 | 0.043 | 3.97 | ci2049288 |
| 1992-04-28T10:33:52.920Z | 33.996 | -116.336 | 2.809 | 3.08 | ci2049280 |
| 1992-04-28T07:32:44.450Z | 33.939 | -116.309 | 0.193 | 3.13 | ci2049255 |
| 1992-04-27T18:19:26.900Z | 33.971 | -116.279 | 2.062 | 3.01 | ci2049109 |
| 1992-04-27T13:28:40.690Z | 33.933 | -116.316 | -0.79 | 3.79 | ci3019986 |
| 1992-04-27T13:28:19.160Z | 33.936 | -116.307 | 0.195 | 3.5 | ci2049052 |
| 1992-04-27T13:21:10.400Z | 33.944 | -116.341 | 2.605 | 3.06 | ci2049051 |
| 1992-04-27T08:29:07.800Z | 33.943 | -116.292 | -0.621 | 3.28 | ci2048998 |
| 1992-04-27T08:13:35.570Z | 34.073 | -116.326 | -0.712 | 3.29 | ci3019752 |
| 1992-04-27T03:52:12.310Z | 33.967 | -116.322 | 6.812 | 3.43 | ci2048947 |
| 1992-04-27T03:49:26.990Z | 33.922 | -116.302 | -0.858 | 3.76 | ci3019556 |
| 1992-04-27T03:12:35.490Z | 33.942 | -116.302 | 1.822 | 3 | ci3019003 |
| 1992-04-27T03:11:19.290Z | 33.933 | -116.302 | -0.858 | 4.35 | ci2048937 |
| 1992-04-26T20:06:10.090Z | 33.973 | -116.273 | 2.381 | 3.04 | ci2048860 |
| 1992-04-26T18:04:18.900Z | 34.051 | -116.339 | 0.265 | 3.41 | ci2048839 |
| 1992-04-26T17:48:44.740Z | 33.853 | -116.27 | 0.483 | 3.24 | ci2048837 |
| 1992-04-26T17:21:38.010Z | 34.049 | -116.335 | -0.301 | 4.42 | ci2048832 |
| 1992-04-26T17:14:13.250Z | 34.001 | -116.32 | 4.195 | 3.33 | ci2048830 |
| 1992-04-26T09:55:45.640Z | 33.943 | -116.359 | 5.922 | 3.7 | ci2048740 |
| 1992-04-26T09:49:53.810Z | 33.969 | -116.28 | 4.049 | 3.42 | ci2048739 |
| 1992-04-26T06:27:49.240Z | 33.937 | -116.296 | 4.238 | 3 | ci3027299 |
| 1992-04-26T06:27:32.590Z | 33.945 | -116.3 | 2.469 | 3 | ci3027290 |
| 1992-04-26T06:26:37.950Z | 33.941 | -116.304 | -0.501 | 3.5 | ci3027276 |
| 1992-04-26T06:26:08.120Z | 33.9475 | -116.301 | 2.293 | 4.47 | ci2048693 |
| 1992-04-26T06:00:50.780Z | 33.947 | -116.308 | -0.684 | 3.18 | ci2048687 |
| 1992-04-26T05:54:18.240Z | 33.9551667 | -116.3061667 | 0.634 | 3.82 | ci2048685 |
| 1992-04-26T03:07:58.180Z | 33.993 | -116.332 | 7.964 | 3.63 | ci3018817 |
| 1992-04-25T19:39:24.460Z | 33.954 | -116.3505 | 3.882 | 3.54 | ci2048575 |
| 1992-04-25T11:56:05.170Z | 34.0353333 | -116.3068333 | -0.17 | 3.01 | ci3101040 |
| 1992-04-25T10:01:38.950Z | 33.9786667 | -116.2793333 | 0.885 | 3.19 | ci3018495 |
| 1992-04-25T09:34:41.580Z | 33.982 | -116.2716667 | 1.54 | 3.94 | ci2048451 |
| 1992-04-25T08:31:02.930Z | 34.0403333 | -116.3146667 | 8.71 | 3 | ci12177711 |
| 1992-04-25T05:40:02.810Z | 33.8626667 | -116.288 | -0.661 | 3.75 | ci2048397 |
| 1992-04-25T04:40:52.650Z | 34.0501667 | -116.2996667 | -0.94 | 3.15 | ci2048385 |
| 1992-04-25T02:14:27.080Z | 33.931 | -116.308 | -0.701 | 3.18 | ci3027843 |
| 1992-04-25T02:13:42.750Z | 33.93 | -116.311 | 0.119 | 3.47 | ci2048360 |
| 1992-04-24T23:27:19.680Z | 34.002 | -116.303 | 4.575 | 3.28 | ci2048330 |
| 1992-04-24T21:09:50.920Z | 33.9716667 | -116.3016667 | 1.053 | 3.23 | ci3018282 |
| 1992-04-24T20:42:18.820Z | 33.951 | -116.357 | 6.919 | 3.34 | ci3099080 |
| 1992-04-24T19:57:31.050Z | 33.944 | -116.313 | 2.299 | 3.55 | ci2048286 |

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|---|---|---|---|---|---|
| 1992-04-24T19:18:25.540Z | 33.927 | -116.303 | -0.691 | 3.15 | ci3098465 |
| 1992-04-24T19:12:57.200Z | 33.9596667 | -116.2926667 | 1.363 | 3.18 | ci3098464 |
| 1992-04-24T16:17:00.130Z | 33.866 | -116.291 | -0.689 | 3.57 | ci3098455 |
| 1992-04-24T16:01:05.560Z | 34.122 | -116.27 | 0.209 | 3.16 | ci2048228 |
| 1992-04-24T15:56:10.270Z | 33.9385 | -116.315 | 1.579 | 3.09 | ci3098453 |
| 1992-04-24T12:36:05.740Z | 33.946 | -116.379 | 10 | 4.2 | usp00056b3 |
| 1992-04-24T11:24:48.710Z | 33.946 | -116.359 | 6.389 | 3.39 | ci3097605 |
| 1992-04-24T09:42:38.200Z | 34.023 | -116.332 | 0.779 | 3.18 | ci3018054 |
| 1992-04-24T09:22:05.230Z | 33.874 | -116.294 | -0.357 | 3.03 | ci3018049 |
| 1992-04-24T07:32:57.000Z | 33.932 | -116.318 | 6 | 3.6 | usp00056aq |
| 1992-04-24T07:13:40.000Z | 33.998 | -116.347 | 6 | 3.3 | usp00056ap |
| 1992-04-24T06:19:12.010Z | 34.027 | -116.316 | 4.681 | 3.07 | ci3097588 |
| 1992-04-24T05:47:41.780Z | 34.027 | -116.331 | 2.211 | 3.17 | ci2048103 |
| 1992-04-24T03:29:59.580Z | 34.027 | -116.329 | -0.539 | 3.6 | ci3097348 |
| 1992-04-24T03:00:13.280Z | 33.942 | -116.322 | 5.629 | 3.4 | ci2048064 |
| 1992-04-24T01:15:51.220Z | 34.047 | -116.335 | 1.909 | 3.11 | ci2048033 |
| 1992-04-24T01:03:29.930Z | 34.02 | -116.295 | 10 | 3.2 | usp00056a2 |
| 1992-04-23T23:52:40.000Z | 33.978 | -116.262 | 6 | 3.9 | usp000569w |
| 1992-04-23T23:22:30.580Z | 33.9908333 | -116.3321667 | 5.469 | 3.09 | ci3017842 |
| 1992-04-23T22:55:56.290Z | 33.963 | -116.394 | 10 | 3.8 | usp000569p |
| 1992-04-23T22:29:47.100Z | 34.0288333 | -116.3263333 | 3.349 | 3.19 | ci3017824 |
| 1992-04-23T20:04:24.070Z | 34.031 | -116.38 | 10 | 3 | usp000569g |
| 1992-04-23T19:50:06.000Z | 33.945 | -116.337 | 6 | 3.3 | usp000569e |
| 1992-04-23T19:33:40.000Z | 34.137 | -116.338 | 6 | 3.4 | usp000569b |
| 1992-04-23T18:56:03.020Z | 33.991 | -116.284 | 2.789 | 4.24 | ci3027819 |
| 1992-04-23T18:20:14.120Z | 33.994 | -116.402 | 10 | 3.9 | usp0005696 |
| 1992-04-23T18:06:40.720Z | 33.9846667 | -116.2505 | 1.633 | 3.72 | ci3017773 |
| 1992-04-23T18:01:48.420Z | 34.0225 | -116.333 | -0.591 | 3.13 | ci3017771 |
| 1992-04-23T16:43:15.000Z | 33.983 | -116.333 | 6 | 3.1 | usp000568v |
| 1992-04-23T14:53:44.230Z | 33.985 | -116.225 | 1.654 | 3.48 | ci3122328 |
| 1992-04-23T14:53:09.840Z | 33.978 | -116.235 | 0.694 | 3.45 | ci3122327 |
| 1992-04-23T14:49:22.080Z | 33.983 | -116.229 | -0.491 | 3.3 | ci3131024 |
| 1992-04-23T14:49:16.250Z | 33.939 | -116.317 | 3.721 | 3.01 | ci3017338 |
| 1992-04-23T14:43:58.050Z | 34.038 | -116.345 | 0.549 | 3.33 | ci3131011 |
| 1992-04-23T14:27:30.420Z | 33.96 | -116.309 | -0.021 | 3.17 | ci2047860 |
| 1992-04-23T14:11:59.520Z | 33.897 | -116.293 | 4.831 | 3.13 | ci2047857 |
| 1992-04-23T13:47:55.400Z | 33.949 | -116.308 | -0.561 | 3.05 | ci2047847 |
| 1992-04-23T13:37:05.340Z | 33.954 | -116.305 | 1.781 | 3.49 | ci3017865 |
| 1992-04-23T13:35:57.460Z | 33.942 | -116.312 | 0.503 | 4.14 | ci3017852 |
| 1992-04-23T13:35:03.930Z | 33.942 | -116.31 | 0.471 | 3.08 | ci3017315 |
| 1992-04-23T12:52:56.020Z | 34.023 | -116.332 | 5.861 | 3.03 | ci3122086 |
| 1992-04-23T12:35:17.080Z | 33.947 | -116.32 | 7.589 | 3.4 | ci2047828 |
| 1992-04-23T12:30:53.460Z | 33.964 | -116.324 | 5.299 | 3.03 | ci2047827 |

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|---|---|---|---|---|---|
| 1992-04-23T12:22:08.660Z | 33.955 | -116.304 | 1.499 | 3.43 | ci3122070 |
| 1992-04-23T12:21:32.370Z | 33.947 | -116.309 | -0.537 | 3.48 | ci3122069 |
| 1992-04-23T12:16:46.550Z | 33.956 | -116.313 | -0.691 | 3.61 | ci3121787 |
| 1992-04-23T11:43:07.670Z | 33.963 | -116.364 | -0.481 | 3.24 | ci3120582 |
| 1992-04-23T11:38:53.930Z | 33.984 | -116.286 | 2.529 | 3.62 | ci3120570 |
| 1992-04-23T11:12:06.790Z | 33.983 | -116.229 | -0.836 | 3.56 | ci3120428 |
| 1992-04-23T11:11:52.140Z | 33.969 | -116.323 | -0.112 | 3.28 | ci3120427 |
| 1992-04-23T11:03:16.250Z | 33.943 | -116.321 | 5.262 | 3.09 | ci3120326 |
| 1992-04-23T11:00:57.350Z | 33.954 | -116.32 | 6.879 | 3.19 | ci3120323 |
| 1992-04-23T10:56:28.930Z | 33.986 | -116.225 | 2.154 | 3.15 | ci3120196 |
| 1992-04-23T10:18:08.020Z | 33.987 | -116.228 | 1.654 | 3.23 | ci2047793 |
| 1992-04-23T10:13:09.480Z | 33.993 | -116.291 | 2.799 | 3.19 | ci2047792 |
| 1992-04-23T10:03:03.420Z | 33.934 | -116.318 | 0.419 | 3.23 | ci2047789 |
| 1992-04-23T10:01:01.380Z | 34.017 | -116.337 | -0.719 | 3.19 | ci3123325 |
| 1992-04-23T09:58:09.540Z | 34.033 | -116.323 | 7.969 | 3.78 | ci3120177 |
| 1992-04-23T09:56:25.540Z | 33.986 | -116.326 | 7.769 | 3.06 | ci2047787 |
| 1992-04-23T09:47:59.270Z | 33.948 | -116.31 | -0.581 | 3.32 | ci3123247 |
| 1992-04-23T09:46:33.390Z | 33.947 | -116.307 | -0.537 | 3.29 | ci2047785 |
| 1992-04-23T09:44:18.600Z | 33.949 | -116.311 | -0.451 | 3.02 | ci2047784 |
| 1992-04-23T09:40:53.090Z | 34.004 | -116.324 | 0.148 | 3.27 | ci3097747 |
| 1992-04-23T09:11:41.150Z | 33.938 | -116.321 | 8.729 | 3.53 | ci3120066 |
| 1992-04-23T08:47:20.370Z | 34.042 | -116.332 | 0.019 | 3.64 | ci3119895 |
| 1992-04-23T08:47:04.220Z | 34.033 | -116.31 | -0.101 | 3.37 | ci3119894 |
| 1992-04-23T08:45:13.770Z | 33.9465 | -116.3178333 | 3.719 | 3 | ci3028655 |
| 1992-04-23T08:44:29.910Z | 33.9413333 | -116.31 | -0.251 | 3.3 | ci2047763 |
| 1992-04-23T08:40:25.210Z | 33.961 | -116.307 | 0.483 | 3.22 | ci3028644 |
| 1992-04-23T08:33:41.110Z | 34.0336667 | -116.3295 | -0.271 | 3.89 | ci2047761 |
| 1992-04-23T07:55:33.000Z | 33.93 | -116.33 | 6 | 3.1 | usp000567g |
| 1992-04-23T07:49:39.780Z | 33.9861667 | -116.3248333 | 1.611 | 3.14 | ci3019164 |
| 1992-04-23T07:47:11.850Z | 33.996 | -116.326 | 4.881 | 3.36 | ci3019115 |
| 1992-04-23T07:40:24.090Z | 34.034 | -116.234 | 7.214 | 3.07 | ci2047744 |
| 1992-04-23T07:21:44.970Z | 33.9655 | -116.2963333 | 1.955 | 3.5 | ci12177175 |
| 1992-04-23T07:21:34.800Z | 33.95 | -116.351 | 4.289 | 3.48 | ci3019086 |
| 1992-04-23T07:20:48.830Z | 33.9376667 | -116.3198333 | 5.305 | 3.5 | ci12177179 |
| 1992-04-23T07:04:04.550Z | 34.011 | -116.3221667 | 4.904 | 3.11 | ci3017181 |
| 1992-04-23T07:03:04.480Z | 33.9433333 | -116.3281667 | 5.362 | 3 | ci3018193 |
| 1992-04-23T06:59:15.580Z | 33.9746667 | -116.3273333 | 2.635 | 3.11 | ci3017179 |
| 1992-04-23T06:51:37.900Z | 33.933 | -116.321 | 2.939 | 3.27 | ci3017810 |
| 1992-04-23T06:50:45.980Z | 33.965 | -116.314 | 1.949 | 3.34 | ci3017808 |
| 1992-04-23T06:50:28.700Z | 33.988 | -116.291 | 3.393 | 3.73 | ci3017177 |
| 1992-04-23T06:40:14.250Z | 33.9528333 | -116.315 | 5.429 | 3.81 | ci2047739 |
| 1992-04-23T06:36:28.840Z | 34.0508333 | -116.3358333 | 7.519 | 3.56 | ci3017753 |
| 1992-04-23T06:34:31.070Z | 33.952 | -116.3286667 | 0.879 | 3.15 | ci2047736 |

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|---|---|---|---|---|---|
| 1992-04-23T06:27:41.830Z | 33.978 | -116.334 | 1.739 | 3.23 | ci2047735 |
| 1992-04-23T06:18:44.850Z | 33.952 | -116.319 | 4.369 | 3.17 | ci3017562 |
| 1992-04-23T06:17:32.410Z | 33.95 | -116.317 | 5.099 | 3.38 | ci2047733 |
| 1992-04-23T06:15:50.590Z | 33.9878333 | -116.3298333 | 5.239 | 3.27 | ci2047732 |
| 1992-04-23T06:12:31.030Z | 34.034 | -116.311 | 1.641 | 3 | ci3017430 |
| 1992-04-23T06:11:55.340Z | 34.028 | -116.321 | 8.781 | 3.58 | ci2047731 |
| 1992-04-23T06:06:43.050Z | 33.96 | -116.324 | 8.531 | 3.39 | ci3017321 |
| 1992-04-23T05:58:07.900Z | 33.977 | -116.233 | 1.964 | 3.5 | ci2047728 |
| 1992-04-23T05:56:14.320Z | 33.949 | -116.317 | 8.209 | 3.24 | ci2047727 |
| 1992-04-23T05:53:16.670Z | 33.991 | -116.304 | 2.739 | 3.28 | ci2047726 |
| 1992-04-23T05:45:59.300Z | 34.022 | -116.324 | 5.998 | 3.09 | ci2047725 |
| 1992-04-23T05:36:49.380Z | 33.9591667 | -116.325 | 4.429 | 3.49 | ci2047724 |
| 1992-04-23T05:31:57.880Z | 34.12 | -116.539 | 10 | 3.5 | usp000566y |
| 1992-04-23T05:24:41.270Z | 34.022 | -116.326 | -0.439 | 3.27 | ci3017249 |
| 1992-04-23T05:23:16.190Z | 33.943 | -116.325 | 4.629 | 4.01 | ci3017236 |
| 1992-04-23T05:22:54.990Z | 33.951 | -116.327 | 10.179 | 3.19 | ci3017248 |
| 1992-04-23T05:22:18.550Z | 34.062 | -116.325 | 10.259 | 3.83 | ci2047722 |
| 1992-04-23T05:11:37.800Z | 34.015 | -116.33 | 9.193 | 3.27 | ci3027831 |
| 1992-04-23T05:10:28.090Z | 33.958 | -116.33 | 2.27 | 4.3 | ci3027826 |
| 1992-04-23T05:10:10.390Z | 34.01 | -116.324 | 2.539 | 4 | ci2047719 |
| 1992-04-23T05:07:37.480Z | 33.951 | -116.321 | 4.469 | 3.03 | ci2047718 |
| 1992-04-23T04:57:02.920Z | 33.999 | -116.331 | 9.485 | 3.41 | ci3027931 |
| 1992-04-23T04:56:21.680Z | 33.998 | -116.329 | 9.119 | 3.65 | ci3027929 |
| 1992-04-23T04:55:27.960Z | 34.01 | -116.348 | 5.132 | 3.32 | ci3027925 |
| 1992-04-23T04:54:14.590Z | 33.949 | -116.32 | 5.934 | 3.5 | ci3027817 |
| 1992-04-23T04:50:23.230Z | 33.96 | -116.317 | 11.629 | 6.1 | ci3019681 |
| 1992-04-23T02:27:12.800Z | 33.9566667 | -116.3283333 | 6.489 | 3.25 | ci3017129 |
| 1992-04-23T02:25:29.870Z | 33.956 | -116.317 | 10.829 | 4.54 | ci2047709 |
| 1992-04-10T20:13:22.990Z | 33.385 | -116.299 | 11.603 | 3.43 | ci2046936 |
| 1992-04-06T14:12:52.910Z | 33.224 | -116.084 | 9.299 | 3.18 | ci2046492 |
| 1992-03-27T19:41:53.820Z | 32.914 | -116.278 | 13.952 | 3.49 | ci2045846 |
| 1992-03-13T07:47:14.040Z | 33.8 | -116.78 | 14.848 | 3 | ci2044847 |
| 1992-03-02T22:13:02.480Z | 33.261 | -115.673 | 3.666 | 3.23 | ci2043876 |
| 1992-01-23T12:50:41.830Z | 33.629 | -116.818 | 17.15 | 3.1 | ci2040070 |
| 1992-01-04T21:14:13.980Z | 33.806 | -116.905 | 12.158 | 3.07 | ci2038619 |
| 1991-12-06T18:27:37.750Z | 33.889 | -116.163 | 1.014 | 3.12 | ci2036263 |
| 1991-12-04T08:17:03.510Z | 34.178 | -117.022 | 8.93 | 4.09 | ci2036038 |
| 1991-12-04T07:10:57.590Z | 33.07 | -116.803 | 13.822 | 4.27 | ci2036037 |
| 1991-11-26T17:44:47.060Z | 33.48 | -116.465 | 9.568 | 3.39 | ci2035478 |
| 1991-10-29T03:27:04.450Z | 34.078 | -117.247 | 12.222 | 3.3 | ci2032999 |
| 1991-10-27T20:54:05.780Z | 33.647 | -116.745 | 12.032 | 3.74 | ci2032895 |
| 1991-10-23T12:53:05.250Z | 33.429 | -116.445 | 12.244 | 3.74 | ci2032425 |
| 1991-10-12T15:21:35.150Z | 33.894 | -116.161 | 2.934 | 3.17 | ci2031534 |

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|---|---|---|---|---|---|
| 1991-10-12T14:58:49.960Z | 33.892 | -116.16 | 2.084 | 3.16 | ci2031531 |
| 1991-10-12T14:57:49.940Z | 33.895 | -116.162 | 2.954 | 3.03 | ci751514 |
| 1991-10-12T14:44:46.700Z | 33.89 | -116.165 | 3.154 | 3.57 | ci751511 |
| 1991-10-12T14:39:32.100Z | 33.89 | -116.164 | 2.054 | 4.01 | ci751510 |
| 1991-10-12T11:50:53.140Z | 33.897 | -116.161 | 3.324 | 3.31 | ci751493 |
| 1991-10-06T06:10:45.320Z | 33.484 | -116.494 | 11.178 | 3.12 | ci152794 |
| 1991-09-26T14:29:30.530Z | 33.265 | -116.019 | 2.079 | 3.56 | ci2030277 |
| 1991-09-15T19:53:55.350Z | 34.161 | -117.328 | 7.743 | 3.39 | ci2029203 |
| 1991-08-24T08:53:06.810Z | 33.544 | -116.802 | 1.595 | 3.03 | ci2027500 |
| 1991-08-03T09:59:49.870Z | 34.093 | -117.312 | 16.442 | 3.6 | ci698180 |
| 1991-07-19T02:41:36.810Z | 33.212 | -115.968 | 3.103 | 4.12 | ci697556 |
| 1991-07-11T15:31:24.040Z | 33.779 | -116.926 | 11.838 | 3.13 | ci2022232 |
| 1991-07-09T09:06:11.500Z | 33.492 | -116.424 | 6.401 | 3.81 | ci2022070 |
| 1991-07-05T03:10:46.340Z | 33.501 | -116.902 | 12.838 | 3.12 | ci2021873 |
| 1991-07-05T03:08:36.410Z | 33.501 | -116.9 | 12.908 | 3.03 | ci2021872 |
| 1991-06-28T16:16:14.790Z | 33.428 | -116.685 | 12.959 | 3.18 | ci2021466 |
| 1991-06-14T11:09:06.120Z | 33.163 | -115.639 | 1.066 | 3.28 | ci2020781 |
| 1991-05-24T18:08:33.670Z | 33.037 | -116.015 | 5.789 | 3.36 | ci2018630 |
| 1991-05-20T15:04:10.030Z | 33.779 | -116.934 | 11.35 | 3.36 | ci695382 |
| 1991-05-20T15:00:53.430Z | 33.781 | -116.935 | 11.73 | 3.59 | ci695381 |
| 1991-05-03T18:55:26.420Z | 34.058 | -116.414 | 6.359 | 3.22 | ci2017538 |
| 1991-04-14T08:42:39.370Z | 33.866 | -116.15 | 2.166 | 3.32 | ci2016539 |
| 1991-03-08T09:27:35.570Z | 34.15 | -116.719 | 9.587 | 3.64 | ci2013964 |
| 1991-02-07T06:32:37.660Z | 33.264 | -116.812 | 13.589 | 3.2 | ci2011941 |
| 1991-01-31T21:58:45.730Z | 33.574 | -116.901 | 4.913 | 3 | ci2011366 |
| 1990-12-21T09:04:13.610Z | 34.532 | -116.814 | -0.364 | 3.17 | ci2009254 |
| 1990-12-20T16:15:53.460Z | 34.54 | -116.809 | -0.364 | 3.42 | ci2009194 |
| 1990-12-20T13:48:57.980Z | 34.536 | -116.812 | -0.364 | 3.04 | ci2009187 |
| 1990-12-19T19:04:47.340Z | 34.53 | -116.821 | -0.364 | 3.16 | ci2009163 |
| 1990-12-17T17:44:21.240Z | 34.207 | -117.021 | 4.346 | 3.54 | ci2009059 |
| 1990-11-09T07:12:27.390Z | 34.432 | -116.801 | 1.646 | 3 | ci143774 |
| 1990-11-09T07:11:19.880Z | 34.428 | -116.809 | 2.376 | 3.53 | ci1062836 |
| 1990-11-07T11:07:52.880Z | 33.781 | -116.733 | 9.447 | 3.35 | ci1062723 |
| 1990-11-05T14:14:59.940Z | 32.918 | -116.344 | 7.397 | 3.01 | ci1062585 |
| 1990-10-25T03:00:50.000Z | 33.521 | -116.504 | 15.188 | 3.47 | ci143450 |
| 1990-10-04T07:36:11.070Z | 34.526 | -116.432 | 4.84 | 3 | ci2005788 |
| 1990-09-23T21:12:26.360Z | 33.522 | -116.696 | 12.068 | 3.03 | ci2005270 |
| 1990-09-15T19:01:41.170Z | 34.283 | -117.045 | 1.048 | 3.17 | ci2004813 |
| 1990-09-12T06:36:55.530Z | 33.489 | -116.752 | 10.298 | 3.33 | ci142593 |
| 1990-09-02T10:20:35.340Z | 34.144 | -116.995 | 12.631 | 3.51 | ci2003986 |
| 1990-08-31T05:55:03.240Z | 33.248 | -116.048 | 7.913 | 3.16 | ci2003817 |
| 1990-08-31T04:24:28.250Z | 33.248 | -116.05 | 7.313 | 3.34 | ci2003792 |
| 1990-08-31T03:56:18.900Z | 33.242 | -116.058 | 2.843 | 3.29 | ci2003787 |

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|---|---|---|---|---|---|
| 1990-08-31T03:38:00.010Z | 33.247 | -116.049 | 7.953 | 4.49 | ci2003785 |
| 1990-08-31T03:24:53.960Z | 33.245 | -116.048 | 5.903 | 3.18 | ci2003782 |
| 1990-08-31T01:23:32.220Z | 33.245 | -116.05 | 7.943 | 3.16 | ci2003775 |
| 1990-08-31T01:05:49.030Z | 33.244 | -116.045 | 8.623 | 4.08 | ci2003772 |
| 1990-08-29T03:21:19.060Z | 33.11 | -116.596 | 11.459 | 3.45 | ci2003652 |
| 1990-08-05T21:28:03.620Z | 33.332 | -116.412 | 6.576 | 3.03 | ci142450 |
| 1990-08-05T21:27:03.790Z | 33.325 | -116.414 | 4.516 | 4.11 | ci1061283 |
| 1990-06-21T11:36:13.280Z | 33.163 | -115.639 | 1.092 | 3.33 | ci2000611 |
| 1990-06-21T11:11:03.500Z | 33.158 | -115.645 | 1.087 | 3.28 | ci681645 |
| 1990-06-21T11:08:45.930Z | 33.161 | -115.64 | 1.066 | 3.63 | ci2000610 |
| 1990-06-21T10:51:15.020Z | 33.162 | -115.637 | 1.066 | 3.59 | ci2000607 |
| 1990-06-21T10:47:21.870Z | 33.165 | -115.635 | 1.066 | 3.75 | ci141990 |
| 1990-06-21T10:46:48.760Z | 33.165 | -115.632 | 1.066 | 3.84 | ci2000606 |
| 1990-06-17T06:08:05.410Z | 34.046 | -117.254 | 14.293 | 3.78 | ci2000429 |
| 1990-05-31T17:39:19.700Z | 34.43 | -116.966 | 2.15 | 3.57 | ci1059340 |
| 1990-05-10T14:25:10.410Z | 33.202 | -116.351 | 11.816 | 3.03 | ci1058505 |
| 1990-04-24T11:27:19.520Z | 33.879 | -116.159 | 4.156 | 3.63 | ci1057675 |
| 1990-04-23T09:30:16.490Z | 34.063 | -116.39 | 2.993 | 3.16 | ci1057623 |
| 1990-04-22T01:10:36.410Z | 34.034 | -116.024 | 0.483 | 3.13 | ci1057566 |
| 1990-04-18T19:07:22.460Z | 33.873 | -116.153 | 2.966 | 3.04 | ci141616 |
| 1990-04-18T14:32:49.110Z | 33.877 | -116.165 | 4.286 | 4.04 | ci1057365 |
| 1990-04-18T14:26:05.830Z | 33.879 | -116.163 | 4.126 | 3.29 | ci1057364 |
| 1990-04-14T11:14:11.850Z | 33.873 | -116.16 | 4.206 | 3.63 | ci1057180 |
| 1990-04-13T11:48:00.420Z | 33.88 | -116.154 | 2.836 | 3.04 | ci1057089 |
| 1990-04-12T12:41:28.960Z | 33.88 | -116.156 | 3.946 | 3.17 | ci1057052 |
| 1990-04-12T02:45:56.410Z | 33.88 | -116.15 | 1.646 | 3.4 | ci1057025 |
| 1990-04-12T01:12:55.680Z | 33.881 | -116.154 | 3.846 | 3.61 | ci1057012 |
| 1990-04-12T00:27:35.630Z | 33.883 | -116.15 | 3.016 | 3.01 | ci141570 |
| 1990-04-11T14:07:45.840Z | 33.878 | -116.155 | 4.126 | 3.08 | ci1056981 |
| 1990-04-07T01:07:05.130Z | 33.871 | -116.156 | 4.286 | 4.14 | ci1056778 |
| 1990-04-04T23:47:44.130Z | 33.862 | -116.195 | 5.036 | 3.37 | ci1056639 |
| 1990-04-04T02:13:39.830Z | 34.326 | -117.089 | 4.087 | 3.97 | ci1056583 |
| 1990-02-18T21:47:27.420Z | 33.522 | -116.446 | 10.185 | 3.25 | ci1052658 |
| 1990-02-18T15:54:55.550Z | 33.51 | -116.454 | 7.615 | 3.48 | ci140721 |
| 1990-02-18T15:52:59.940Z | 33.509 | -116.452 | 7.945 | 4.29 | ci1052624 |
| 1990-02-17T03:46:03.540Z | 34.354 | -117.209 | 3.054 | 3.48 | ci1052544 |
| 1990-02-05T00:51:01.930Z | 33.503 | -116.45 | 8.065 | 3.54 | ci1051515 |
| 1990-01-03T11:54:27.430Z | 33.255 | -116.375 | 8.491 | 3.55 | ci1049214 |
| 1990-01-02T09:50:53.190Z | 33.653 | -116.77 | 12.5 | 3.64 | ci1049144 |
| 1989-12-31T12:53:51.490Z | 33.484 | -116.444 | 7.275 | 3.15 | ci1048984 |
| 1989-12-30T13:49:38.890Z | 33.771 | -115.993 | 4.805 | 3.13 | ci1048915 |
| 1989-12-30T13:15:35.430Z | 33.77 | -115.994 | 4.685 | 3.08 | ci1048913 |
| 1989-12-29T23:26:46.530Z | 34.042 | -116.705 | 14.014 | 3 | ci1048876 |

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|---|---|---|---|---|---|
| 1989-12-22T03:03:25.540Z | 33.624 | -116.688 | 12.807 | 3.67 | ci140444 |
| 1989-12-18T06:27:04.510Z | 33.734 | -116.024 | 9.496 | 4.14 | ci672565 |
| 1989-12-06T19:15:23.500Z | 33.807 | -117.035 | 14.444 | 3.54 | ci1047586 |
| 1989-12-02T23:16:47.860Z | 33.646 | -116.742 | 13.197 | 4.42 | ci671917 |
| 1989-12-01T14:30:19.200Z | 33.646 | -116.745 | 13.237 | 3.1 | ci1047253 |
| 1989-11-12T17:13:31.430Z | 34.002 | -116.743 | 12.732 | 3.07 | ci1046004 |
| 1989-11-11T22:42:08.230Z | 33.984 | -116.829 | 18.862 | 3.13 | ci1045952 |
| 1989-10-08T17:58:27.330Z | 33.491 | -116.457 | 5.705 | 3.03 | ci1043470 |
| 1989-09-04T17:53:41.030Z | 33.333 | -116.238 | 9.673 | 3.61 | ci1040045 |
| 1989-09-02T05:39:35.660Z | 33.508 | -116.444 | 8.108 | 3.36 | ci1039805 |
| 1989-08-30T18:39:08.040Z | 33.926 | -116.604 | 11.477 | 3.08 | ci1039539 |
| 1989-08-28T22:14:31.480Z | 33.962 | -116.913 | 15.428 | 3.18 | ci1039310 |
| 1989-08-13T10:18:11.750Z | 33.074 | -115.939 | 3.355 | 3.03 | ci1037628 |
| 1989-08-09T13:42:11.270Z | 33.498 | -116.519 | 5.898 | 3.63 | ci1037206 |
| 1989-07-19T23:46:22.890Z | 33.966 | -116.675 | 9.537 | 3.11 | ci1035144 |
| 1989-06-28T00:20:15.350Z | 33.493 | -116.479 | 14.448 | 3.39 | ci662348 |
| 1989-06-27T23:33:48.320Z | 33.328 | -116.341 | 10.902 | 3.04 | ci662343 |
| 1989-06-20T11:57:25.400Z | 33.512 | -116.444 | 8.058 | 3.13 | ci1032747 |
| 1989-06-04T21:33:59.720Z | 34.597 | -116.839 | 0.501 | 4.29 | ci1031507 |
| 1989-06-01T09:33:51.270Z | 34.014 | -117.171 | 11.364 | 3.61 | ci139487 |
| 1989-05-31T18:41:37.660Z | 33.96 | -116.29 | 3.855 | 3 | ci1031119 |
| 1989-04-19T01:31:29.530Z | 33.196 | -115.597 | 1.055 | 3.16 | ci658407 |
| 1989-04-04T13:42:51.970Z | 33.751 | -116.176 | 2.315 | 3.08 | ci1025577 |
| 1989-03-08T20:00:44.260Z | 33.95 | -116.651 | 12.837 | 3.17 | ci1023175 |
| 1989-03-07T01:47:27.600Z | 33.178 | -115.615 | 1.667 | 3.66 | ci1022975 |
| 1989-03-07T00:24:58.150Z | 33.181 | -115.611 | 2.897 | 3.74 | ci1022967 |
| 1989-03-06T23:11:05.170Z | 33.195 | -115.594 | 0.985 | 3.35 | ci139064 |
| 1989-03-06T22:57:34.280Z | 33.205 | -115.6 | 1.055 | 3.5 | ci1022957 |
| 1989-03-06T22:45:55.010Z | 33.171 | -115.624 | 3.049 | 3.66 | ci1022954 |
| 1989-03-06T22:20:38.620Z | 33.175 | -115.62 | 0.946 | 3.82 | ci1022951 |
| 1989-03-04T05:34:16.430Z | 32.968 | -116.243 | 9.267 | 3.24 | ci1022693 |
| 1989-03-03T16:43:14.320Z | 33.372 | -116.252 | 10.773 | 3.26 | ci1022596 |
| 1989-02-15T08:12:02.300Z | 33.195 | -115.609 | 1.426 | 3.14 | ci138937 |
| 1989-01-31T18:22:39.770Z | 34.171 | -116.816 | 9.313 | 3.35 | ci653813 |
| 1989-01-25T03:53:45.170Z | 33.772 | -115.678 | 2.891 | 3.05 | ci1019260 |
| 1989-01-23T14:29:13.450Z | 33.969 | -116.29 | 2.575 | 3.28 | ci1019066 |
| 1989-01-11T09:32:31.790Z | 33.97 | -116.291 | 2.565 | 3.07 | ci1017637 |
| 1989-01-05T21:32:13.850Z | 34.264 | -116.004 | 2.187 | 3.11 | ci1017186 |
| 1988-12-16T05:53:04.100Z | 33.979 | -116.681 | 6.894 | 5.03 | ci651401 |
| 1988-12-15T23:19:13.890Z | 33.485 | -116.543 | 11.638 | 3.3 | ci651393 |
| 1988-12-08T17:52:38.290Z | 33.486 | -116.415 | 7.288 | 3 | ci1014864 |
| 1988-11-24T08:17:44.650Z | 33.764 | -115.98 | 4.192 | 3.07 | ci138340 |
| 1988-11-23T06:25:30.040Z | 33.068 | -115.939 | 2.747 | 3.23 | ci1013560 |

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|---|---|---|---|---|---|
| 1988-11-21T11:04:30.000Z | 33.765 | -115.978 | 4.292 | 3.06 | ci1013327 |
| 1988-11-17T05:43:06.010Z | 33.487 | -116.412 | 7.108 | 3.41 | ci1013121 |
| 1988-11-06T15:26:15.730Z | 34.045 | -116.773 | 11.452 | 3.08 | ci1012709 |
| 1988-11-05T23:50:32.060Z | 34.041 | -117.188 | 13.401 | 3.69 | ci1012698 |
| 1988-10-20T01:57:04.470Z | 33.21 | -115.59 | 0.624 | 3.37 | ci140196 |
| 1988-10-20T01:56:43.150Z | 33.208 | -115.592 | 0.984 | 3.27 | ci648359 |
| 1988-10-19T22:55:47.600Z | 33.192 | -115.611 | 0.063 | 3.49 | ci138058 |
| 1988-09-27T05:19:20.850Z | 34.576 | -116.578 | 4.435 | 3.3 | ci1009871 |
| 1988-09-10T20:59:03.860Z | 34.249 | -115.705 | 5.222 | 3 | ci1008894 |
| 1988-08-26T04:57:21.550Z | 34.527 | -116.427 | 4.848 | 3.64 | ci1008181 |
| 1988-08-24T05:11:41.580Z | 33.542 | -116.795 | 3.838 | 3.05 | ci1008064 |
| 1988-08-16T22:20:51.120Z | 34.07 | -117.282 | 17.344 | 3.15 | ci1007618 |
| 1988-07-20T03:00:40.270Z | 33.029 | -115.832 | 1.996 | 3.12 | ci643365 |
| 1988-07-11T06:04:16.940Z | 33.489 | -116.441 | 14.078 | 3.09 | ci642831 |
| 1988-07-03T02:06:01.130Z | 33.98 | -117 | 17.073 | 3.28 | ci642337 |
| 1988-07-02T05:31:22.960Z | 33.461 | -116.472 | 10.65 | 3.14 | ci137010 |
| 1988-07-02T05:31:04.110Z | 33.477 | -116.455 | 12.248 | 3.19 | ci642275 |
| 1988-07-02T00:26:58.190Z | 33.483 | -116.439 | 11.714 | 4.4 | ci642247 |
| 1988-06-26T22:43:14.140Z | 33.801 | -116.053 | 8.457 | 3.09 | ci137000 |
| 1988-06-25T17:48:25.620Z | 33.783 | -115.982 | 8.122 | 3.07 | ci136981 |
| 1988-06-24T06:31:02.440Z | 33.976 | -116.324 | 2.043 | 3.02 | ci641747 |
| 1988-06-18T13:22:25.690Z | 33.91 | -116.946 | 13.947 | 3.55 | ci641338 |
| 1988-06-18T10:25:21.610Z | 33.91 | -116.945 | 14.227 | 3.06 | ci641334 |
| 1988-06-17T05:33:38.910Z | 33.241 | -116.248 | 8.28 | 3.2 | ci641229 |
| 1988-06-06T08:06:26.200Z | 33.3 | -116.31 | 12.287 | 3.32 | ci640433 |
| 1988-06-04T00:31:57.230Z | 33.978 | -117.116 | 15.784 | 3.63 | ci640380 |
| 1988-05-24T07:55:26.750Z | 34.005 | -116.78 | 13.602 | 3.41 | ci639811 |
| 1988-05-17T19:38:37.960Z | 33.24 | -116.247 | 8.18 | 4.26 | ci639478 |
| 1988-05-16T16:45:50.880Z | 34.028 | -116.762 | 10.182 | 3.15 | ci639407 |
| 1988-05-04T02:18:50.940Z | 33.401 | -116.93 | 12.439 | 3.1 | ci638803 |
| 1988-04-29T05:29:14.770Z | 34.027 | -116.765 | 10.572 | 3.73 | ci1000432 |
| 1988-04-21T08:14:47.520Z | 33.413 | -117.071 | 5.343 | 3.41 | ci136324 |
| 1988-04-14T13:03:09.350Z | 33.267 | -116.299 | 10.097 | 3.01 | ci748013 |
| 1988-04-01T18:52:53.400Z | 32.926 | -116.223 | 8.818 | 3.72 | ci747068 |
| 1988-03-01T13:43:52.470Z | 33.258 | -115.96 | 1 | 3.19 | ci744670 |
| 1988-02-29T15:25:06.900Z | 34.032 | -116.246 | 4.655 | 3.25 | ci135912 |
| 1988-02-17T23:56:51.450Z | 33.265 | -116.091 | 2.9 | 3.51 | ci743488 |
| 1988-02-06T08:06:03.260Z | 33.909 | -116.992 | 14.762 | 3.44 | ci742741 |
| 1988-01-28T01:44:57.020Z | 33.228 | -115.992 | 0.12 | 3.2 | ci742121 |
| 1988-01-22T00:52:20.710Z | 33.816 | -117.033 | 14.444 | 3.47 | ci741602 |
| 1988-01-02T19:43:00.960Z | 34.179 | -116.409 | 1.273 | 3.13 | ci740175 |
| 1988-01-02T19:40:53.060Z | 34.176 | -116.411 | 1.803 | 3.35 | ci740174 |
| 1987-12-31T21:34:01.330Z | 34.176 | -116.416 | 1.183 | 3.91 | ci740044 |

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|---|---|---|---|---|---|
| 1987-12-31T21:08:13.830Z | 34.181 | -116.407 | 0.803 | 3.01 | ci631789 |
| 1987-12-29T10:17:17.990Z | 33.545 | -117.203 | 0.707 | 3.17 | ci631594 |
| 1987-12-25T18:15:48.850Z | 33.125 | -115.741 | 2.693 | 3.46 | ci631350 |
| 1987-12-25T01:00:46.980Z | 34.181 | -116.409 | 1.853 | 3.25 | ci631310 |
| 1987-12-17T07:26:25.640Z | 33.98 | -116.684 | 7.434 | 3.09 | ci630775 |
| 1987-12-03T19:04:36.600Z | 33.006 | -115.874 | 1.697 | 3.94 | ci737804 |
| 1987-12-01T11:13:19.640Z | 34.293 | -116.923 | 5.123 | 3.57 | ci737466 |
| 1987-11-27T11:33:14.960Z | 33.018 | -115.858 | 0.787 | 3.18 | ci736812 |
| 1987-11-27T10:05:49.380Z | 33.102 | -115.753 | 1.529 | 3.32 | ci736801 |
| 1987-11-27T01:38:03.730Z | 33.069 | -115.782 | 2.902 | 3.03 | ci736715 |
| 1987-11-27T01:17:15.750Z | 33.02 | -115.86 | 1.607 | 3.09 | ci736710 |
| 1987-11-26T17:39:01.990Z | 33.029 | -115.888 | 1.812 | 4.53 | ci736607 |
| 1987-11-26T15:06:54.670Z | 33.046 | -115.826 | 5.461 | 3.06 | ci736580 |
| 1987-11-25T18:19:45.840Z | 33.082 | -115.776 | 2.529 | 3.11 | ci736302 |
| 1987-11-25T15:04:11.510Z | 33.025 | -115.873 | 2.78 | 3.03 | ci736257 |
| 1987-11-25T08:46:17.500Z | 33.185 | -115.632 | 1.425 | 3.02 | ci736132 |
| 1987-11-25T05:28:33.530Z | 33.088 | -115.767 | 3.469 | 3 | ci736073 |
| 1987-11-25T04:17:33.150Z | 33.055 | -115.932 | 2.04 | 3.52 | ci736052 |
| 1987-11-25T02:47:57.750Z | 33.011 | -115.867 | 3.041 | 3.34 | ci736023 |
| 1987-11-25T02:08:30.900Z | 33.069 | -115.932 | 1.57 | 3.22 | ci736011 |
| 1987-11-25T01:48:18.750Z | 33.187 | -115.638 | 0.865 | 3.1 | ci736004 |
| 1987-11-25T00:50:28.620Z | 33.07 | -115.934 | 2.885 | 3.32 | ci735985 |
| 1987-11-25T00:48:55.730Z | 33.025 | -115.861 | 2.031 | 3.36 | ci135211 |
| 1987-11-25T00:33:49.410Z | 33.065 | -115.929 | 1.721 | 3.25 | ci735981 |
| 1987-11-24T23:18:56.510Z | 33.018 | -115.867 | 2.185 | 3.1 | ci628195 |
| 1987-11-24T21:28:02.900Z | 33.022 | -115.858 | 1.059 | 3.02 | ci735936 |
| 1987-11-24T20:41:39.440Z | 33.712 | -116.833 | 14.79 | 3.33 | ci735916 |
| 1987-11-24T18:56:58.100Z | 33.07 | -115.919 | 2.908 | 3.09 | ci628104 |
| 1987-11-24T18:50:40.310Z | 33.017 | -115.881 | 0.094 | 4.14 | ci628102 |
| 1987-11-24T18:48:52.600Z | 33.055 | -115.919 | 0.041 | 3.38 | ci134941 |
| 1987-11-24T18:47:24.660Z | 33.066 | -115.931 | 3.44 | 3.74 | ci628101 |
| 1987-11-24T18:05:44.530Z | 33.036 | -115.877 | 0.214 | 3.21 | ci628084 |
| 1987-11-24T17:25:02.000Z | 33.03 | -115.846 | 3.153 | 3.24 | ci735893 |
| 1987-11-24T16:38:50.580Z | 33.031 | -115.859 | 1.435 | 3.05 | ci735872 |
| 1987-11-24T15:51:48.860Z | 33.037 | -115.829 | 1.602 | 3.05 | ci135078 |
| 1987-11-24T15:34:47.690Z | 33.044 | -115.807 | 3.352 | 3.45 | ci134930 |
| 1987-11-24T15:15:27.810Z | 33.024 | -115.838 | 3.285 | 3.32 | ci628051 |
| 1987-11-24T15:06:57.720Z | 33.023 | -115.869 | 2.551 | 3.31 | ci628048 |
| 1987-11-24T14:56:16.440Z | 33.015 | -115.862 | 2.215 | 3.24 | ci628045 |
| 1987-11-24T14:36:29.950Z | 33.043 | -115.803 | 1.062 | 4.13 | ci628041 |
| 1987-11-24T14:32:10.810Z | 33.153 | -115.716 | 5.601 | 3.26 | ci134935 |
| 1987-11-24T14:10:41.910Z | 33.021 | -115.863 | 3.713 | 3.08 | ci735850 |
| 1987-11-24T14:09:32.020Z | 33.025 | -115.892 | 3.421 | 3.53 | ci134928 |

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|---|---|---|---|---|---|
| 1987-11-24T14:02:17.250Z | 33.057 | -115.844 | -0.016 | 3.16 | ci735848 |
| 1987-11-24T13:46:13.410Z | 33.012 | -115.863 | 4.155 | 3.97 | ci134920 |
| 1987-11-24T13:42:11.290Z | 33.071 | -115.848 | -0.347 | 3.41 | ci135048 |
| 1987-11-24T13:37:50.740Z | 33.05 | -115.8 | 5.734 | 3.4 | ci135142 |
| 1987-11-24T13:33:55.800Z | 33.13 | -115.875 | 0.973 | 4.34 | ci735841 |
| 1987-11-24T13:24:53.920Z | 33.05 | -115.8 | 4.309 | 3.4 | ci135141 |
| 1987-11-24T13:24:03.340Z | 33.05 | -115.8 | 5.39 | 3.62 | ci135140 |
| 1987-11-24T10:12:37.610Z | 33.056 | -115.795 | 1.981 | 3.11 | ci735797 |
| 1987-11-24T07:23:31.020Z | 33.087 | -115.765 | 1.449 | 3.14 | ci735747 |
| 1987-11-24T06:32:49.620Z | 33.21 | -115.665 | 0.243 | 3.37 | ci627919 |
| 1987-11-24T06:32:02.410Z | 33.088 | -115.781 | 0.122 | 3.52 | ci735731 |
| 1987-11-24T06:21:54.590Z | 33.209 | -115.667 | 1.685 | 3.08 | ci134911 |
| 1987-11-24T05:42:54.180Z | 33.06 | -115.798 | 1.441 | 3 | ci134980 |
| 1987-11-24T04:47:21.920Z | 33.179 | -115.632 | 3.625 | 3.03 | ci627884 |
| 1987-11-24T04:30:52.250Z | 33.103 | -115.762 | 2.309 | 3.25 | ci627878 |
| 1987-11-24T04:04:36.880Z | 33.177 | -115.648 | 0.095 | 3.83 | ci735695 |
| 1987-11-24T04:00:45.000Z | 33.158 | -115.709 | 1.985 | 3.28 | ci134963 |
| 1987-11-24T03:56:28.230Z | 33.204 | -115.68 | 1.155 | 3.67 | ci735693 |
| 1987-11-24T03:43:55.180Z | 33.057 | -115.811 | 5.581 | 3.81 | ci735688 |
| 1987-11-24T03:37:47.460Z | 33.179 | -115.651 | 0.041 | 3.07 | ci735686 |
| 1987-11-24T03:29:40.890Z | 33.181 | -115.653 | 0.105 | 3.19 | ci735683 |
| 1987-11-24T03:24:13.840Z | 33.182 | -115.659 | 0.105 | 3.32 | ci735681 |
| 1987-11-24T03:23:24.730Z | 33.178 | -115.651 | 0.105 | 3.26 | ci134952 |
| 1987-11-24T03:21:10.310Z | 33.173 | -115.661 | 1.152 | 3.23 | ci735680 |
| 1987-11-24T03:14:16.770Z | 33.175 | -115.652 | 1.095 | 3.09 | ci627867 |
| 1987-11-24T03:13:31.740Z | 33.04 | -115.831 | 5.071 | 3.43 | ci138395 |
| 1987-11-24T02:59:59.940Z | 33.108 | -115.751 | 2.743 | 3.3 | ci138379 |
| 1987-11-24T02:53:00.740Z | 33.04 | -115.812 | 3.511 | 4.66 | ci627860 |
| 1987-11-24T02:45:32.920Z | 33.207 | -115.669 | 1.043 | 3.01 | ci138378 |
| 1987-11-24T02:44:29.790Z | 33.206 | -115.673 | 0.725 | 3.18 | ci627858 |
| 1987-11-24T02:43:02.180Z | 33.07 | -115.782 | 1.552 | 3.12 | ci627857 |
| 1987-11-24T02:25:52.570Z | 33.165 | -115.649 | 1.463 | 3.8 | ci627854 |
| 1987-11-24T02:16:47.090Z | 33.05 | -115.8 | 5.39 | 4.08 | ci135124 |
| 1987-11-24T02:15:23.170Z | 33.048 | -115.798 | 5.113 | 4.82 | ci134901 |
| 1987-11-24T02:14:35.450Z | 33.036 | -115.82 | 4.731 | 4.54 | ci735670 |
| 1987-11-24T02:11:35.830Z | 33.069 | -115.8 | -0.253 | 3.02 | ci735669 |
| 1987-11-24T02:07:15.720Z | 33.05 | -115.8 | 4.309 | 3.28 | ci135122 |
| 1987-11-24T02:06:45.130Z | 33.044 | -115.821 | 2.606 | 3.72 | ci134898 |
| 1987-11-24T02:05:51.950Z | 33.085 | -115.782 | 0.162 | 3.06 | ci134897 |
| 1987-11-24T02:05:19.800Z | 33.161 | -115.719 | 0.072 | 3.58 | ci134896 |
| 1987-11-24T02:01:47.290Z | 33.068 | -115.801 | 5.962 | 3.86 | ci134895 |
| 1987-11-24T01:59:50.110Z | 33.244 | -115.707 | 5.39 | 3.11 | ci139991 |
| 1987-11-24T01:58:53.470Z | 33.105 | -115.79 | 5.669 | 3.28 | ci735665 |

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|---|---|---|---|---|---|
| 1987-11-24T01:54:14.660Z | 33.09 | -115.792 | 10.853 | 6.2 | ci134894 |
| 1987-11-24T01:53:03.160Z | 33.072 | -115.782 | 4.259 | 4.03 | ci134849 |
| 1987-11-24T01:32:48.100Z | 33.067 | -115.781 | 3.992 | 4.18 | ci735661 |
| 1987-10-13T15:59:04.260Z | 33.959 | -117.213 | 13.517 | 3.53 | ci732742 |
| 1987-10-08T04:23:32.770Z | 33.981 | -116.656 | 5.667 | 3.31 | ci732381 |
| 1987-08-24T00:12:25.280Z | 33.98 | -116.974 | 14.634 | 3.24 | ci621557 |
| 1987-08-17T18:37:02.320Z | 34.297 | -116.929 | 1.67 | 3.26 | ci621074 |
| 1987-08-09T19:44:39.410Z | 33.866 | -116.175 | 3.865 | 3.24 | ci620484 |
| 1987-07-22T06:06:06.930Z | 33.866 | -116.175 | 2.244 | 3.1 | ci726623 |
| 1987-07-06T02:23:46.350Z | 33.978 | -116.65 | 5.977 | 3.37 | ci725536 |
| 1987-07-04T09:02:14.800Z | 33.534 | -116.972 | 10.173 | 3.05 | ci725427 |
| 1987-07-03T06:52:21.790Z | 33.857 | -116.181 | 0.886 | 3.18 | ci725345 |
| 1987-06-29T08:29:22.230Z | 33.861 | -116.187 | 4.186 | 3.1 | ci725038 |
| 1987-06-29T06:20:36.600Z | 33.859 | -116.188 | 4.116 | 3.15 | ci725028 |
| 1987-06-22T12:54:46.040Z | 33.864 | -116.184 | 3.745 | 3.01 | ci724479 |
| 1987-06-16T23:32:34.170Z | 33.959 | -116.571 | 4.647 | 3.28 | ci724125 |
| 1987-06-15T13:05:41.460Z | 34.086 | -116.491 | 4.452 | 3.4 | ci724025 |
| 1987-06-14T14:29:05.560Z | 33.274 | -115.683 | 1.796 | 3.33 | ci723973 |
| 1987-06-14T08:16:08.110Z | 33.862 | -116.18 | 3.475 | 3.76 | ci723940 |
| 1987-06-01T19:19:58.570Z | 33.866 | -116.177 | 4.065 | 3.39 | ci131949 |
| 1987-06-01T19:18:29.670Z | 33.864 | -116.176 | 4.025 | 3.44 | ci723217 |
| 1987-05-30T23:06:40.830Z | 33.865 | -116.177 | 3.955 | 3.32 | ci723104 |
| 1987-05-17T02:20:40.610Z | 33.561 | -116.676 | 10.12 | 3.02 | ci722248 |
| 1987-05-11T15:10:10.240Z | 34.311 | -116.918 | 3.867 | 4.12 | ci721973 |
| 1987-05-10T13:17:41.170Z | 34.284 | -116.379 | 9.147 | 3.28 | ci721934 |
| 1987-05-03T14:57:54.320Z | 33.786 | -115.898 | 9.982 | 3.06 | ci721556 |
| 1987-04-30T02:19:20.060Z | 33.501 | -116.59 | 10.933 | 3 | ci721405 |
| 1987-04-28T21:48:45.980Z | 34.026 | -116.727 | 9.546 | 3.09 | ci721343 |
| 1987-04-03T05:33:29.150Z | 34.033 | -117.268 | 11.298 | 3.2 | ci719892 |
| 1987-03-01T18:53:41.270Z | 33.905 | -116.769 | 17.206 | 3.1 | ci718087 |
| 1987-02-25T23:30:02.010Z | 33.23 | -116.061 | 8.805 | 3.74 | ci717809 |
| 1987-01-15T07:46:49.050Z | 34.017 | -116.761 | 9.524 | 3.13 | ci715906 |
| 1987-01-08T00:02:08.750Z | 33.183 | -115.64 | 0.655 | 3 | ci715569 |
| 1987-01-03T18:01:06.090Z | 33.504 | -116.476 | 6.132 | 3.67 | ci715379 |
| 1987-01-01T08:25:06.330Z | 34.038 | -116.643 | 11.477 | 3.43 | ci715307 |
| 1986-12-27T19:13:03.930Z | 33.517 | -116.539 | 11.222 | 3.26 | ci715113 |
| 1986-12-25T17:35:22.870Z | 32.99 | -116.288 | 7.387 | 3.7 | ci715002 |
| 1986-12-19T13:51:29.240Z | 33.705 | -116.808 | 16.65 | 3.01 | ci714735 |
| 1986-11-21T05:02:20.060Z | 33.256 | -116.077 | 1.855 | 3.12 | ci713408 |
| 1986-11-13T05:12:27.950Z | 33.957 | -116.731 | 10.825 | 3.02 | ci610653 |
| 1986-11-03T21:04:01.420Z | 33.874 | -116.855 | 11.936 | 3.17 | ci712271 |
| 1986-10-17T18:56:16.350Z | 34.37 | -116.39 | 1.795 | 3.53 | ci711160 |
| 1986-10-16T10:16:16.890Z | 33.972 | -116.569 | 8.466 | 3.14 | ci711050 |

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|---|---|---|---|---|---|
| 1986-10-15T02:28:47.760Z | 33.948 | -116.577 | 5.719 | 4 | ci710934 |
| 1986-10-10T15:23:02.920Z | 33.947 | -116.795 | 5.154 | 3.4 | ci710651 |
| 1986-09-29T14:00:26.580Z | 34.024 | -117.237 | 15.7 | 3.23 | ci608277 |
| 1986-09-28T07:06:26.740Z | 34.006 | -116.58 | 11.316 | 3.42 | ci709917 |
| 1986-09-25T04:59:48.100Z | 34.026 | -116.806 | 11.232 | 3.01 | ci608104 |
| 1986-09-18T09:05:10.890Z | 33.709 | -116.74 | 15.864 | 3.12 | ci607803 |
| 1986-09-10T15:51:52.390Z | 33.957 | -116.666 | 7.258 | 3.08 | ci607364 |
| 1986-09-09T16:22:50.610Z | 33.962 | -116.569 | 5.598 | 3.68 | ci607306 |
| 1986-08-29T07:46:54.480Z | 33.955 | -116.599 | 4.448 | 3.87 | ci606616 |
| 1986-08-28T17:10:33.200Z | 33.919 | -116.273 | 7.178 | 3 | ci606586 |
| 1986-08-28T16:32:14.620Z | 33.919 | -116.274 | 7.368 | 3.31 | ci708152 |
| 1986-08-28T08:10:12.000Z | 34.019 | -116.671 | 8.604 | 3.03 | ci606548 |
| 1986-08-18T00:53:42.600Z | 33.977 | -116.629 | 4.967 | 3.02 | ci605822 |
| 1986-08-06T12:37:37.600Z | 33.986 | -116.66 | 6.247 | 3.06 | ci604754 |
| 1986-08-02T11:36:57.650Z | 34.041 | -116.696 | 11.502 | 3.56 | ci604316 |
| 1986-07-31T07:51:42.910Z | 33.965 | -116.573 | 4.455 | 3.52 | ci127475 |
| 1986-07-31T04:50:14.220Z | 34.009 | -116.628 | 8.505 | 3.14 | ci604057 |
| 1986-07-29T12:03:19.390Z | 33.961 | -116.573 | 2.694 | 3.12 | ci704942 |
| 1986-07-29T06:43:50.290Z | 33.963 | -116.591 | 4.372 | 3.27 | ci603881 |
| 1986-07-26T02:43:37.770Z | 33.989 | -116.651 | 5.254 | 3.01 | ci704556 |
| 1986-07-25T11:39:09.650Z | 33.992 | -116.569 | 8.278 | 3.06 | ci704481 |
| 1986-07-24T01:58:23.160Z | 33.969 | -116.556 | 6.667 | 3.37 | ci603293 |
| 1986-07-18T19:58:01.850Z | 33.967 | -116.569 | 5.456 | 3.37 | ci602337 |
| 1986-07-17T23:51:11.390Z | 33.995 | -116.647 | 6.358 | 3.19 | ci703010 |
| 1986-07-17T21:54:45.140Z | 33.993 | -116.647 | 6.378 | 4.43 | ci702997 |
| 1986-07-17T20:35:14.970Z | 33.989 | -116.647 | 5.768 | 4.46 | ci702983 |
| 1986-07-17T03:22:45.320Z | 33.998 | -116.624 | 8.728 | 3.21 | ci702873 |
| 1986-07-15T18:32:14.520Z | 33.98 | -116.638 | 5.678 | 3.16 | ci601917 |
| 1986-07-15T03:17:40.290Z | 34.003 | -116.893 | 11.93 | 3.06 | ci601835 |
| 1986-07-14T01:43:30.580Z | 34.001 | -116.589 | 10.188 | 3.25 | ci128316 |
| 1986-07-13T17:39:35.700Z | 33.972 | -116.569 | 7.278 | 3.08 | ci127307 |
| 1986-07-13T01:41:38.230Z | 33.952 | -116.613 | 10.728 | 3.73 | ci702132 |
| 1986-07-12T17:28:30.650Z | 34.032 | -116.673 | 9.674 | 3.34 | ci702070 |
| 1986-07-12T17:15:37.790Z | 34.083 | -116.534 | 3.041 | 3.02 | ci702069 |
| 1986-07-12T09:51:56.990Z | 33.969 | -116.567 | 7.878 | 3.09 | ci702011 |
| 1986-07-12T05:45:27.510Z | 33.986 | -116.652 | 5.748 | 4.05 | ci701985 |
| 1986-07-11T18:12:31.510Z | 34.025 | -116.671 | 9.034 | 3.04 | ci701903 |
| 1986-07-11T15:59:51.900Z | 34.015 | -116.617 | 10.538 | 3.23 | ci701880 |
| 1986-07-11T15:33:03.830Z | 33.981 | -116.588 | 12.268 | 3.13 | ci701876 |
| 1986-07-11T15:13:30.600Z | 34.029 | -116.653 | 10.384 | 3.31 | ci701874 |
| 1986-07-11T08:51:28.740Z | 33.967 | -116.576 | 6.178 | 3.36 | ci701834 |
| 1986-07-11T07:48:13.990Z | 33.997 | -116.572 | 10.798 | 3.1 | ci701824 |
| 1986-07-10T23:47:22.070Z | 33.97 | -116.552 | 7.988 | 3.08 | ci701756 |

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|---|---|---|---|---|---|
| 1986-07-10T12:02:50.930Z | 33.962 | -116.593 | 11.508 | 3.36 | ci701632 |
| 1986-07-10T09:42:10.740Z | 33.984 | -116.636 | 0.698 | 3.06 | ci701609 |
| 1986-07-09T11:32:21.080Z | 33.975 | -116.565 | 8.318 | 3.57 | ci127268 |
| 1986-07-09T09:41:21.050Z | 33.972 | -116.574 | 7.468 | 3.71 | ci701320 |
| 1986-07-09T09:36:36.590Z | 34.001 | -116.573 | 10.108 | 3.25 | ci701319 |
| 1986-07-09T00:12:32.140Z | 33.976 | -116.567 | 7.818 | 4.11 | ci701181 |
| 1986-07-08T21:53:03.060Z | 34.013 | -116.588 | 10.438 | 3.24 | ci600627 |
| 1986-07-08T19:36:20.080Z | 34.016 | -116.615 | 10.798 | 4.07 | ci701105 |
| 1986-07-08T18:55:56.580Z | 33.971 | -116.571 | 7.608 | 3.28 | ci127467 |
| 1986-07-08T18:20:07.790Z | 34.032 | -116.644 | 10.414 | 3.05 | ci701081 |
| 1986-07-08T18:04:14.460Z | 33.968 | -116.556 | 8.208 | 3.52 | ci701078 |
| 1986-07-08T17:34:16.550Z | 33.966 | -116.564 | 7.528 | 3 | ci701064 |
| 1986-07-08T16:39:44.080Z | 33.993 | -116.583 | 11.438 | 3.68 | ci701050 |
| 1986-07-08T15:58:07.330Z | 33.981 | -116.616 | 7.618 | 3.05 | ci701033 |
| 1986-07-08T15:55:19.800Z | 34.038 | -116.685 | 10.025 | 3.89 | ci701032 |
| 1986-07-08T15:42:22.330Z | 34.006 | -116.603 | 9.858 | 3.37 | ci701028 |
| 1986-07-08T14:48:32.000Z | 34.017 | -116.61 | 11.99 | 3.48 | ci748658 |
| 1986-07-08T14:21:16.250Z | 33.98 | -116.56 | 8.968 | 3.16 | ci600500 |
| 1986-07-08T13:55:34.540Z | 34.036 | -116.623 | 11.798 | 3.15 | ci701014 |
| 1986-07-08T13:52:53.240Z | 33.999 | -116.611 | 9.688 | 3.05 | ci701013 |
| 1986-07-08T13:41:49.330Z | 34.025 | -116.669 | 9.695 | 3.01 | ci127422 |
| 1986-07-08T12:12:42.570Z | 34.024 | -116.647 | 10.478 | 3.01 | ci127402 |
| 1986-07-08T12:03:38.280Z | 33.963 | -116.57 | 6.308 | 3.43 | ci700976 |
| 1986-07-08T11:50:40.990Z | 34.003 | -116.624 | 16.567 | 3.11 | ci748550 |
| 1986-07-08T11:24:58.410Z | 34.02 | -116.618 | 10.238 | 3.5 | ci700964 |
| 1986-07-08T10:39:00.930Z | 33.981 | -116.57 | 8.608 | 3.08 | ci700944 |
| 1986-07-08T10:34:14.510Z | 34.025 | -116.674 | 9.655 | 3.57 | ci700942 |
| 1986-07-08T10:27:43.740Z | 34.03 | -116.678 | 9.163 | 3.19 | ci127348 |
| 1986-07-08T10:22:39.440Z | 34.028 | -116.627 | 9.847 | 4.3 | ci748481 |
| 1986-07-08T10:14:41.840Z | 34.035 | -116.644 | 10.184 | 3.28 | ci700936 |
| 1986-07-08T10:12:39.290Z | 33.978 | -116.554 | 16.483 | 3.06 | ci748472 |
| 1986-07-08T10:12:30.770Z | 33.955 | -116.51 | 10.876 | 3.04 | ci748471 |
| 1986-07-08T10:11:00.170Z | 34.023 | -116.67 | 2.835 | 3.96 | ci700935 |
| 1986-07-08T10:09:02.900Z | 33.977 | -116.579 | 7.188 | 4.29 | ci700934 |
| 1986-07-08T10:07:45.540Z | 34.025 | -116.669 | 9.325 | 3.08 | ci127344 |
| 1986-07-08T10:04:52.940Z | 33.96 | -116.581 | 4.308 | 3.71 | ci700932 |
| 1986-07-08T09:53:23.820Z | 33.987 | -116.568 | 11.558 | 3.46 | ci127341 |
| 1986-07-08T09:51:34.330Z | 33.982 | -116.575 | 1.488 | 3.35 | ci700926 |
| 1986-07-08T09:50:55.410Z | 34.047 | -116.684 | 5.121 | 3.09 | ci700925 |
| 1986-07-08T09:49:49.740Z | 33.997 | -116.561 | 8.568 | 3.72 | ci127340 |
| 1986-07-08T09:46:15.330Z | 34.034 | -116.641 | 9.124 | 3.37 | ci127339 |
| 1986-07-08T09:44:18.360Z | 33.969 | -116.567 | 9.915 | 3.1 | ci748436 |
| 1986-07-08T09:42:56.490Z | 33.987 | -116.639 | 4.626 | 3.45 | ci600400 |

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|---|---|---|---|---|---|
| 1986-07-08T09:39:41.990Z | 34.023 | -116.622 | 13.883 | 3.19 | ci127335 |
| 1986-07-08T09:34:14.770Z | 34.045 | -116.646 | 14.329 | 3.04 | ci748423 |
| 1986-07-08T09:30:41.770Z | 34.03 | -116.682 | 14.079 | 3.32 | ci748415 |
| 1986-07-08T09:30:22.480Z | 34.023 | -116.686 | 10.55 | 3.55 | ci748414 |
| 1986-07-08T09:29:58.970Z | 34.04 | -116.634 | 15.942 | 3.35 | ci748413 |
| 1986-07-08T09:29:54.110Z | 33.959 | -116.638 | 14.673 | 3.19 | ci748412 |
| 1986-07-08T09:29:40.960Z | 34.004 | -116.61 | 12.18 | 3.28 | ci748411 |
| 1986-07-08T09:28:42.390Z | 34.033 | -116.685 | 14.279 | 3.08 | ci748409 |
| 1986-07-08T09:28:13.750Z | 33.95 | -116.533 | 16.668 | 3.96 | ci127338 |
| 1986-07-08T09:27:09.260Z | 33.971 | -116.554 | 12.87 | 3.5 | ci748407 |
| 1986-07-08T09:26:33.770Z | 34.006 | -116.778 | 13.14 | 3.08 | ci748405 |
| 1986-07-08T09:26:22.790Z | 34.031 | -116.645 | 12.819 | 3.11 | ci748404 |
| 1986-07-08T09:24:12.790Z | 34.032 | -116.654 | 7.846 | 4.2 | ci700919 |
| 1986-07-08T09:20:44.560Z | 33.999 | -116.608 | 9.468 | 6 | ci700917 |
| 1986-06-18T14:13:26.400Z | 33.935 | -116.742 | 16.504 | 3.38 | ci700051 |
| 1986-06-03T14:14:49.270Z | 33.789 | -116.344 | 9.85 | 3.74 | ci125717 |
| 1986-05-31T01:42:40.100Z | 34.105 | -116.611 | 8.888 | 3.48 | ci125748 |
| 1986-05-07T12:34:09.020Z | 34.196 | -117.061 | 10.396 | 3.06 | ci123849 |
| 1986-04-25T19:09:27.050Z | 33.172 | -115.65 | 0.728 | 3.23 | ci122912 |
| 1986-04-05T17:21:49.520Z | 33.336 | -115.709 | 3.144 | 3.53 | ci121045 |
| 1986-03-17T00:43:24.610Z | 33.62 | -116.978 | 12.652 | 3.24 | ci119103 |
| 1986-02-17T02:12:33.480Z | 34.116 | -116.03 | 10.585 | 3.94 | ci116008 |
| 1986-01-14T13:12:14.080Z | 33.915 | -116.7 | 12.526 | 3.3 | ci113515 |
| 1985-12-01T17:35:18.310Z | 34.156 | -117.323 | 5.165 | 3.21 | ci124857 |
| 1985-11-18T06:31:44.340Z | 33.469 | -116.39 | 5.854 | 3.08 | ci131965 |
| 1985-10-02T23:44:12.450Z | 34.023 | -117.245 | 14.698 | 4.58 | ci107945 |
| 1985-09-07T19:24:37.650Z | 33.681 | -116.734 | 15.755 | 3.03 | ci116691 |
| 1985-09-05T14:33:49.000Z | 33.971 | -116.958 | 13.894 | 3.14 | ci116335 |
| 1985-08-29T07:59:08.690Z | 34.322 | -116.815 | 4.334 | 3.93 | ci113567 |
| 1985-08-19T22:40:23.630Z | 34.553 | -116.794 | 4.571 | 3.31 | ci110022 |
| 1985-08-05T16:08:10.150Z | 33.988 | -116.824 | 17.502 | 3.12 | ci108588 |
| 1985-07-18T14:05:25.780Z | 34.422 | -116.542 | 4.512 | 4.02 | ci70912 |
| 1985-07-16T17:57:50.970Z | 34.543 | -116.842 | -1.554 | 3.78 | ci68278 |
| 1985-06-29T18:23:50.930Z | 33.477 | -116.558 | 11.745 | 3.36 | ci69222 |
| 1985-06-21T00:50:59.240Z | 33.989 | -117.172 | 13.554 | 3.54 | ci68681 |
| 1985-06-10T12:50:20.780Z | 33.689 | -117.384 | 6.68 | 3.03 | ci68080 |
| 1985-06-10T00:58:01.590Z | 34.207 | -116.82 | 8.903 | 3.29 | ci68036 |
| 1985-06-05T18:10:05.590Z | 33.342 | -116.328 | 11.127 | 3.63 | ci67773 |
| 1985-06-03T06:53:27.530Z | 33.04 | -115.973 | 4.516 | 3.3 | ci67614 |
| 1985-06-03T02:05:30.480Z | 34 | -116.098 | 7.725 | 3.21 | ci67587 |
| 1985-05-25T15:50:45.430Z | 33.953 | -116.648 | 12.283 | 3.28 | ci67812 |
| 1985-05-14T17:35:36.360Z | 33.523 | -116.801 | 0.025 | 3.71 | ci66386 |
| 1985-05-12T13:57:43.390Z | 33.451 | -116.516 | 9.855 | 3.12 | ci66142 |

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|---|---|---|---|---|---|
| 1985-05-11T01:23:18.180Z | 34.024 | -117.242 | 15.328 | 3 | ci66044 |
| 1985-04-28T22:23:53.750Z | 34.016 | -117.044 | 10.612 | 3.19 | ci65240 |
| 1985-03-20T03:52:29.840Z | 33.05 | -116.399 | 5.173 | 3.3 | ci62905 |
| 1985-03-13T17:19:26.300Z | 33.204 | -116.06 | 1.88 | 3.07 | ci60692 |
| 1985-02-28T04:42:08.520Z | 33.96 | -116.293 | 9.175 | 3.56 | ci61738 |
| 1985-02-21T07:54:42.570Z | 33.48 | -116.418 | 6.918 | 3.1 | ci61355 |
| 1985-02-19T16:37:14.730Z | 34.035 | -116.771 | 11.109 | 3.19 | ci61218 |
| 1985-02-19T05:09:35.270Z | 34.159 | -116.982 | 8.294 | 3.23 | ci61197 |
| 1985-02-18T13:53:43.290Z | 33.02 | -116.352 | 5.556 | 3.21 | ci61165 |
| 1985-02-16T00:42:39.820Z | 33.993 | -116.398 | -0.287 | 3.21 | ci60954 |
| 1985-02-15T23:26:26.570Z | 33.985 | -116.402 | 1.493 | 3.89 | ci60919 |
| 1985-02-11T13:58:05.950Z | 32.951 | -116.429 | 5.163 | 3.26 | ci60740 |
| 1985-02-10T13:59:06.060Z | 33.876 | -116.276 | 0.953 | 3.52 | ci60547 |
| 1985-01-25T13:50:12.830Z | 33.929 | -117.088 | 13.224 | 3.37 | ci59479 |
| 1985-01-25T05:28:29.950Z | 33.991 | -116.4 | 1.963 | 3.38 | ci59463 |
| 1985-01-24T23:25:32.290Z | 33.996 | -116.399 | 1.243 | 3.48 | ci59447 |
| 1985-01-22T11:38:52.810Z | 33.983 | -116.783 | 15.722 | 3.14 | ci59267 |
| 1985-01-21T14:05:37.080Z | 33.993 | -116.391 | 1.664 | 3.14 | ci59130 |
| 1985-01-21T13:58:21.270Z | 33.992 | -116.39 | 2.065 | 3 | ci59137 |
| 1985-01-21T13:32:13.030Z | 33.991 | -116.398 | 2.054 | 3.1 | ci59123 |
| 1985-01-19T03:24:12.650Z | 33.994 | -116.394 | 1.793 | 3.41 | ci58848 |
| 1985-01-19T00:30:15.080Z | 33.992 | -116.398 | 1.783 | 3.72 | ci58825 |
| 1985-01-18T17:24:43.010Z | 33.865 | -115.978 | 9.645 | 3.1 | ci58866 |
| 1985-01-02T05:24:58.220Z | 34.046 | -116.529 | 7.732 | 3.77 | ci55737 |
| 1984-11-27T13:16:09.970Z | 33.355 | -116.338 | 12.837 | 3.03 | ci55162 |
| 1984-11-24T04:02:19.540Z | 34.382 | -116.611 | 1.201 | 3.36 | ci54748 |
| 1984-11-18T05:50:44.840Z | 34.124 | -117.386 | 8.915 | 3.08 | ci54283 |
| 1984-11-08T16:54:43.050Z | 34.304 | -116.501 | 4.544 | 3 | ci53833 |
| 1984-10-27T20:22:06.570Z | 33.28 | -115.702 | 1.384 | 3.04 | ci53194 |
| 1984-10-25T07:59:34.470Z | 34.032 | -116.848 | 16.822 | 3.08 | ci53037 |
| 1984-10-24T06:36:31.220Z | 33.137 | -116.505 | 8.011 | 3.07 | ci52997 |
| 1984-10-16T22:18:50.040Z | 33.815 | -117.031 | 13.557 | 3.31 | ci52618 |
| 1984-10-10T21:22:58.860Z | 33.138 | -116.501 | 10.841 | 4.5 | ci51982 |
| 1984-10-05T07:37:14.140Z | 33.666 | -116.703 | 17.31 | 3.92 | ci51703 |
| 1984-09-30T09:23:16.100Z | 33.468 | -116.588 | 10.395 | 3.07 | ci51466 |
| 1984-09-11T12:48:35.550Z | 33.485 | -116.421 | 8.377 | 3.13 | ci50352 |
| 1984-09-07T17:57:30.290Z | 33.46 | -116.37 | 14.048 | 4.07 | ci512856 |
| 1984-09-06T10:04:33.540Z | 33.997 | -117.033 | 4.698 | 3.12 | ci512776 |
| 1984-08-06T08:14:36.600Z | 33.976 | -116.713 | 13.254 | 4.21 | ci46741 |
| 1984-07-27T19:42:07.760Z | 34.262 | -116.15 | 5.307 | 3.5 | ci46108 |
| 1984-07-25T18:43:23.040Z | 34.051 | -116.729 | 2.079 | 3.31 | ci45749 |
| 1984-07-17T17:27:25.230Z | 33.116 | -116.405 | 7.161 | 3.11 | ci45415 |
| 1984-07-12T12:17:42.210Z | 33.474 | -116.395 | 9.001 | 3.15 | ci45509 |

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|---|---|---|---|---|---|
| 1984-07-09T19:32:29.500Z | 33.532 | -116.8 | -0.198 | 3.02 | ci46444 |
| 1984-07-09T19:20:15.810Z | 33.528 | -116.799 | 4.546 | 3.3 | ci44713 |
| 1984-07-09T19:09:29.380Z | 33.536 | -116.8 | -1.318 | 3.3 | ci44744 |
| 1984-07-04T13:00:50.300Z | 33.957 | -117.203 | 12.247 | 3.36 | ci44120 |
| 1984-07-02T21:08:08.340Z | 34.307 | -116.483 | 0.548 | 3.15 | ci43932 |
| 1984-06-30T06:34:14.560Z | 34.38 | -116.614 | -0.149 | 3.47 | ci43771 |
| 1984-06-24T21:57:29.900Z | 33.955 | -116.338 | 5.753 | 3.51 | ci43123 |
| 1984-06-21T22:18:48.160Z | 33.458 | -116.564 | 12.875 | 3.07 | ci43043 |
| 1984-06-11T22:21:10.410Z | 34.382 | -116.612 | -0.029 | 3.94 | ci41113 |
| 1984-06-10T20:19:07.480Z | 33.824 | -116.176 | 4.993 | 3.05 | ci42036 |
| 1984-06-08T02:43:02.390Z | 33.3 | -115.702 | 1.934 | 3.17 | ci41844 |
| 1984-06-07T22:00:13.500Z | 33.3 | -115.701 | 1.714 | 3 | ci40699 |
| 1984-05-03T09:47:45.080Z | 34.329 | -116.401 | 1.528 | 3.27 | ci38606 |
| 1984-04-01T07:17:02.360Z | 33.109 | -116.404 | 10.443 | 3.93 | ci35439 |
| 1984-03-16T19:53:21.290Z | 33.703 | -116.737 | 17.939 | 3.03 | ci33845 |
| 1984-03-07T03:32:36.680Z | 34.569 | -115.917 | 4.81 | 3 | ci33440 |
| 1984-02-29T02:07:31.710Z | 33.136 | -116.071 | 6.496 | 4.23 | ci32665 |
| 1984-02-28T06:08:59.290Z | 34.398 | -116.825 | 6.234 | 3.35 | ci32594 |
| 1984-02-23T17:34:23.290Z | 33.89 | -116.153 | 4.513 | 3.67 | ci32210 |
| 1984-02-02T21:47:56.540Z | 33.893 | -116.847 | 15.839 | 3.14 | ci30778 |
| 1984-02-01T06:39:33.300Z | 33.532 | -116.8 | -1.663 | 3.09 | ci30676 |
| 1984-01-15T17:54:20.330Z | 34.328 | -116.4606667 | 1.334 | 3.05 | ci29353 |
| 1984-01-13T09:41:41.340Z | 34.0505 | -117.2526667 | 14.257 | 3.31 | ci29176 |
| 1983-12-31T02:09:11.430Z | 33.062 | -116.192 | 6.206 | 3.13 | ci28176 |
| 1983-12-29T19:46:16.830Z | 34.1716667 | -117.3556667 | 6.501 | 3.58 | ci28325 |
| 1983-12-27T21:34:37.680Z | 33.778 | -116.124 | 1.397 | 3.16 | ci27924 |
| 1983-12-20T01:15:04.280Z | 32.944 | -116.2746667 | 2.917 | 3.47 | ci27415 |
| 1983-12-13T01:40:23.380Z | 33.89 | -116.147 | 2.674 | 3.46 | ci27166 |
| 1983-12-07T15:19:03.350Z | 33.059 | -116.187 | 6.796 | 3.12 | ci26659 |
| 1983-12-06T23:22:09.560Z | 33.06 | -116.187 | 3.086 | 3.12 | ci26550 |
| 1983-12-06T09:10:48.700Z | 33.059 | -116.188 | 8.896 | 3.14 | ci26775 |
| 1983-11-18T09:55:37.530Z | 34.004 | -117.209 | 14.427 | 3.06 | ci22637 |
| 1983-10-29T06:38:02.610Z | 33.9893333 | -116.6003333 | 13.097 | 3.44 | ci23341 |
| 1983-10-07T10:40:24.850Z | 33.972 | -116.9628333 | 15.158 | 3.11 | ci17555 |
| 1983-09-20T00:08:51.750Z | 33.0521667 | -116.1971667 | 11.085 | 3.41 | ci14807 |
| 1983-09-12T12:08:02.740Z | 34.049 | -117.256 | 13.929 | 3.69 | ci21566 |
| 1983-08-02T22:21:16.660Z | 33.5315 | -116.4505 | 8.212 | 3.16 | ci13581 |
| 1983-07-04T07:03:20.840Z | 33.4358333 | -116.4186667 | 11.915 | 3.82 | ci2218571 |
| 1983-07-03T10:19:18.980Z | 32.9246667 | -116.2433333 | 17.004 | 3.18 | ci2218481 |
| 1983-06-13T17:39:24.950Z | 34.188 | -115.9148333 | 6.944 | 3.05 | ci2217154 |
| 1983-05-27T11:25:18.360Z | 33.6235 | -116.7323333 | 16.163 | 3.57 | ci1108600 |
| 1983-05-26T16:30:20.900Z | 33.4723333 | -116.4765 | 14.105 | 3.73 | ci1108591 |
| 1983-05-24T07:03:32.650Z | 33.7798333 | -116.0441667 | 4.262 | 3.06 | ci1108414 |

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|---|---|---|---|---|---|
| 1983-05-19T11:05:27.290Z | 33.5066667 | -116.6756667 | 14.47 | 3.12 | ci1108065 |
| 1983-05-08T00:05:01.800Z | 33.9343333 | -117.0028333 | 18.696 | 3.3 | ci1106966 |
| 1983-05-01T03:45:26.310Z | 33.2248333 | -116.0705 | 8.762 | 3.26 | ci12327403 |
| 1983-04-23T06:10:22.730Z | 33.296 | -116.9655 | 10.151 | 3.04 | ci12327047 |
| 1983-04-16T22:35:25.110Z | 34.0343333 | -116.4031667 | 7.938 | 3.31 | ci1105113 |
| 1983-02-04T16:19:15.000Z | 32.8908333 | -116.4856667 | 13.818 | 3.38 | ci500479 |
| 1983-01-22T19:13:20.510Z | 33.3365 | -116.9591667 | 2.318 | 3.24 | ci502779 |
| 1983-01-16T20:07:39.530Z | 34.422 | -116.009 | 5.026 | 3 | ci502438 |
| 1983-01-15T23:37:09.200Z | 33.3465 | -116.2761667 | 13.472 | 3.13 | ci502384 |
| 1983-01-04T18:58:25.710Z | 33.7621667 | -115.9408333 | 1.019 | 3.25 | ci501391 |
| 1983-01-02T22:09:57.990Z | 33.7618333 | -115.9436667 | 0.979 | 3.07 | ci501102 |
| 1982-12-22T12:46:59.950Z | 33.462 | -116.572 | 9.665 | 3.18 | ci512377 |
| 1982-11-10T11:21:25.600Z | 34.058 | -116.667 | 9.942 | 4.09 | ci510043 |
| 1982-10-11T14:34:35.940Z | 33.334 | -116.311 | 11.877 | 3.15 | ci508739 |
| 1982-08-26T22:28:03.020Z | 33.264 | -115.986 | 3.8 | 3.48 | ci506994 |
| 1982-08-21T10:20:42.470Z | 33.251 | -116.424 | 3.321 | 3.33 | ci506776 |
| 1982-08-14T04:51:29.310Z | 33.346 | -116.342 | 11.692 | 3.01 | ci506512 |
| 1982-08-05T04:02:19.780Z | 33.26 | -116.423 | 0.591 | 3.45 | ci506157 |
| 1982-08-03T16:38:05.290Z | 33.254 | -116.429 | 2.481 | 3.62 | ci506090 |
| 1982-07-12T01:06:26.160Z | 34.11 | -116.396 | 2.096 | 3.3 | ci505192 |
| 1982-07-07T08:44:33.640Z | 34.152 | -116.701 | 10.459 | 3.46 | ci505030 |
| 1982-06-27T16:14:59.990Z | 33.479 | -116.463 | 12.429 | 3.13 | ci504600 |
| 1982-06-27T11:21:33.430Z | 32.95 | -116.446 | 5.128 | 3.2 | ci504589 |
| 1982-06-26T23:28:52.400Z | 33.476 | -116.561 | 10.405 | 3.12 | ci504570 |
| 1982-06-16T22:36:59.180Z | 33.472 | -116.585 | 7.805 | 3.22 | ci532838 |
| 1982-06-16T11:20:18.380Z | 33.542 | -116.668 | 10.14 | 3.18 | ci532755 |
| 1982-06-16T03:16:06.250Z | 33.913 | -117.045 | 10.689 | 3.1 | ci532713 |
| 1982-06-16T00:14:52.310Z | 33.546 | -116.675 | 11.38 | 3.39 | ci532545 |
| 1982-06-16T00:03:55.730Z | 33.544 | -116.673 | 9.89 | 3.04 | ci532534 |
| 1982-06-16T00:03:01.960Z | 33.574 | -116.663 | 7.712 | 4.19 | ci532532 |
| 1982-06-15T23:56:05.210Z | 33.551 | -116.677 | 7.673 | 3.01 | ci532523 |
| 1982-06-15T23:49:21.280Z | 33.549 | -116.677 | 11.473 | 4.81 | ci532392 |
| 1982-06-09T03:27:09.190Z | 33.945 | -116.886 | 12.812 | 3.09 | ci532282 |
| 1982-06-02T21:10:15.800Z | 33.266 | -115.632 | 6.735 | 3.32 | ci532003 |
| 1982-06-02T17:12:28.860Z | 33.669 | -116.766 | 4.903 | 3.19 | ci531988 |
| 1982-04-15T08:53:50.360Z | 33.8 | -116.961 | 13.494 | 3.02 | ci528751 |
| 1982-03-29T23:29:41.500Z | 34.115 | -116.387 | 1.147 | 3.22 | ci527946 |
| 1982-03-22T23:26:23.910Z | 33.059 | -116.203 | 6.833 | 3.15 | ci527627 |
| 1982-03-22T09:00:40.030Z | 33.24 | -116.169 | 12.484 | 4.07 | ci527602 |
| 1982-03-22T08:53:28.500Z | 33.052 | -116.204 | 12.168 | 4.48 | ci527598 |
| 1982-03-05T15:22:40.430Z | 33.022 | -116.526 | 13.658 | 3.12 | ci106784 |
| 1982-03-04T04:36:23.830Z | 33.166 | -116.102 | 11 | 3.14 | ci106739 |
| 1982-02-28T12:31:53.870Z | 34.17 | -116.972 | 4.984 | 3.15 | ci106518 |

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|---|---|---|---|---|---|
| 1982-02-25T05:19:42.200Z | 34.113 | -116.392 | 2.166 | 3.87 | ci106374 |
| 1982-02-23T00:56:37.330Z | 34.104 | -117.323 | 19.865 | 3.61 | ci106302 |
| 1982-02-22T14:06:08.210Z | 34.114 | -116.39 | 1.666 | 3.02 | ci106238 |
| 1982-02-19T13:44:10.160Z | 33.465 | -116.894 | 7.453 | 3.01 | ci106106 |
| 1982-02-16T19:10:51.130Z | 34.114 | -117.329 | 16.935 | 3.12 | ci105911 |
| 1982-02-02T05:40:56.540Z | 33.468 | -116.449 | 5.357 | 3.09 | ci105305 |
| 1982-01-25T23:47:03.320Z | 33.235 | -116.078 | 8.495 | 3.03 | ci105000 |
| 1981-12-24T02:22:07.760Z | 34.0083333 | -116.7725 | 17.729 | 3.08 | ci103846 |
| 1981-10-21T05:37:44.780Z | 33.4955 | -116.7726667 | 5.816 | 3.33 | ci525902 |
| 1981-10-17T19:54:35.010Z | 33.2318333 | -116.0631667 | 5.235 | 3.08 | ci525724 |
| 1981-10-17T19:47:21.610Z | 33.2286667 | -116.0526667 | 15.115 | 3.72 | ci525721 |
| 1981-10-13T20:14:03.000Z | 34.0316667 | -116.1346667 | 9.059 | 3.48 | ci525470 |
| 1981-09-28T10:57:39.610Z | 33.4468333 | -117.1096667 | 7.29 | 3.3 | ci523694 |
| 1981-09-25T14:13:38.020Z | 34.013 | -116.8426667 | 20.502 | 3.28 | ci523549 |
| 1981-09-12T21:23:07.550Z | 34.1585 | -117.2676667 | 8.007 | 3.52 | ci522915 |
| 1981-09-04T00:39:25.320Z | 33.1331667 | -116.5473333 | 17.821 | 3.67 | ci522243 |
| 1981-09-04T00:28:53.110Z | 33.1345 | -116.5455 | 18.271 | 3.99 | ci522231 |
| 1981-08-28T01:42:01.750Z | 33.2878333 | -115.6843333 | 11.656 | 3.24 | ci521808 |
| 1981-07-29T21:28:08.100Z | 33.1306667 | -116.503 | 10.134 | 3.41 | ci520252 |
| 1981-07-18T12:48:16.170Z | 33.5506667 | -116.6811667 | 6.972 | 3.08 | ci519470 |
| 1981-07-05T00:31:16.250Z | 33.6648333 | -117.378 | 11.176 | 3.21 | ci518873 |
| 1981-06-22T07:31:46.070Z | 33.2383333 | -115.9618333 | 4.776 | 3.12 | ci518140 |
| 1981-06-16T12:16:19.140Z | 33.862 | -116.256 | 1.767 | 3.14 | ci517809 |
| 1981-06-12T11:02:46.430Z | 33.2476667 | -115.973 | 4.546 | 3.56 | ci517532 |
| 1981-06-04T14:26:35.400Z | 33.6498333 | -117.3781667 | 11.576 | 3.14 | ci517124 |
| 1981-06-04T11:51:32.980Z | 33.6503333 | -117.3761667 | 13.546 | 3.59 | ci517119 |
| 1981-05-02T21:50:20.600Z | 32.931 | -116.277 | 11.517 | 3.33 | ci515236 |
| 1981-04-30T20:09:46.050Z | 33.501 | -116.4965 | 13.569 | 3.38 | ci515048 |
| 1981-04-26T17:42:26.350Z | 33.1706667 | -115.625 | 12.844 | 3.48 | ci514924 |
| 1981-04-20T01:37:42.060Z | 33.3505 | -116.7008333 | 11.531 | 3.48 | ci514628 |
| 1981-04-07T06:23:28.250Z | 32.9281667 | -116.3165 | 13.982 | 3.12 | ci515732 |
| 1981-04-01T02:05:14.460Z | 33.576 | -116.816 | 10.954 | 3.35 | ci513877 |
| 1981-03-18T06:07:11.920Z | 34.0778333 | -117.0133333 | 10.324 | 3.73 | ci12262151 |
| 1981-02-21T22:56:16.580Z | 33.6545 | -116.7633333 | 11.32 | 3.39 | ci3317178 |
| 1981-02-21T15:09:51.820Z | 33.5035 | -116.4498333 | 5.303 | 3.12 | ci3317155 |
| 1981-02-01T19:27:07.920Z | 33.4886667 | -116.7825 | 0.666 | 3.17 | ci3302058 |
| 1981-02-01T11:48:22.080Z | 33.4993333 | -116.7825 | 2.406 | 3 | ci12253931 |
| 1981-02-01T11:30:07.160Z | 33.4873333 | -116.7691667 | 6.112 | 3.59 | ci3302056 |
| 1981-01-26T05:23:02.400Z | 33.8145 | -116.1856667 | -0.391 | 3 | ci3316317 |
| 1981-01-18T20:19:55.770Z | 33.489 | -116.7673333 | 7.522 | 3.01 | ci3315954 |
| 1981-01-13T23:00:31.430Z | 33.8831667 | -115.5226667 | -0.072 | 3 | ci3315712 |
| 1980-12-13T14:15:47.320Z | 34.484 | -116.2956667 | 1.31 | 3.71 | ci9741690 |
| 1980-12-13T06:48:12.730Z | 33.503 | -116.455 | 9.65 | 3.02 | ci3300898 |

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|---|---|---|---|---|---|
| 1980-12-02T12:28:00.080Z | 33.2416667 | -115.9503333 | 12.6 | 3.13 | ci9741094 |
| 1980-12-01T14:30:41.240Z | 34.1513333 | -116.7158333 | 4.58 | 3.15 | ci3300576 |
| 1980-11-18T20:21:41.890Z | 34.2126667 | -116.4366667 | 1.73 | 3.12 | ci3299612 |
| 1980-11-17T20:52:50.270Z | 33.24 | -115.9341667 | 15 | 3.16 | ci9740090 |
| 1980-11-09T05:48:21.330Z | 34.2121667 | -116.4428333 | 3.07 | 3.4 | ci3299464 |
| 1980-11-05T21:58:23.830Z | 33.8911667 | -115.5486667 | 0.77 | 3 | ci3299361 |
| 1980-11-02T09:42:04.420Z | 34.0943333 | -117.2043333 | 5.08 | 3.12 | ci9739146 |
| 1980-10-29T22:16:46.790Z | 33.6761667 | -117.3425 | 1.29 | 3.13 | ci3305725 |
| 1980-10-29T12:30:28.550Z | 33.9841667 | -116.9783333 | 13.65 | 3 | ci9738838 |
| 1980-10-24T23:30:21.800Z | 34.3958333 | -116.472 | 1.11 | 3.15 | ci9738590 |
| 1980-10-19T22:59:52.540Z | 34.362 | -116.7005 | 3.13 | 3.2 | ci3298854 |
| 1980-10-18T03:54:30.440Z | 34.3636667 | -116.7056667 | 0.09 | 3.28 | ci9738114 |
| 1980-09-17T02:33:32.090Z | 33.4175 | -116.686 | 13.72 | 3.23 | ci3303952 |
| 1980-08-30T23:38:36.040Z | 33.5285 | -116.6725 | 9.07 | 3.44 | ci3303346 |
| 1980-08-23T06:50:42.650Z | 33.2645 | -116.119 | 4.44 | 3.64 | ci9734718 |
| 1980-07-29T06:48:19.500Z | 33.067 | -116.017 | 5 | 3.6 | usp000194x |
| 1980-07-24T19:22:10.060Z | 33.2731667 | -116.8283333 | 6 | 3.02 | ci9733458 |
| 1980-07-09T21:11:24.360Z | 33.0343333 | -116.38 | 16.43 | 3.04 | ci3306570 |
| 1980-06-11T23:52:45.740Z | 33.3858333 | -116.3148333 | 5.14 | 3.17 | ci9731354 |
| 1980-05-29T20:59:58.120Z | 33.8978333 | -115.5471667 | 0.01 | 3 | ci3307329 |
| 1980-05-25T19:03:48.980Z | 33.3353333 | -116.3783333 | 14.66 | 3.45 | ci3308026 |
| 1980-05-09T07:11:12.100Z | 33.459 | -116.5983333 | 7.21 | 3.01 | ci9726362 |
| 1980-04-30T22:07:43.870Z | 33.8963333 | -115.546 | 0.02 | 3 | ci10078862 |
| 1980-04-23T23:07:34.630Z | 33.8905 | -115.5203333 | 0.01 | 3 | ci3357344 |
| 1980-03-20T19:35:51.680Z | 33.883 | -115.5178333 | 5.03 | 3 | ci3327481 |
| 1980-03-10T21:04:29.330Z | 33.8876667 | -116.2823333 | 6.29 | 3.26 | ci10074250 |
| 1980-03-10T06:54:21.700Z | 33.8823333 | -116.275 | 2.18 | 3.63 | ci10074150 |
| 1980-03-07T01:00:40.440Z | 33.8841667 | -115.5246667 | 0.01 | 3 | ci10073874 |
| 1980-03-01T09:30:51.660Z | 33.4991667 | -116.5261667 | 9.3 | 3.05 | ci3355423 |
| 1980-02-26T23:07:32.600Z | 33.8701667 | -115.5278333 | 1.26 | 3 | ci3326474 |
| 1980-02-25T19:02:17.070Z | 33.4993333 | -116.507 | 15.29 | 3.17 | ci3326402 |
| 1980-02-25T14:51:32.100Z | 33.492 | -116.526 | 12.07 | 3.26 | ci3308962 |
| 1980-02-25T14:00:06.510Z | 33.4903333 | -116.4868333 | 17.17 | 3.61 | ci3326372 |
| 1980-02-25T11:05:08.890Z | 33.5008333 | -116.5263333 | 5.5 | 3.27 | ci10071590 |
| 1980-02-25T10:59:25.270Z | 33.5023333 | -116.5323333 | 15.91 | 3.48 | ci10071566 |
| 1980-02-25T10:47:38.410Z | 33.4753333 | -116.4996667 | 19.41 | 5.34 | ci3326333 |
| 1980-02-22T13:45:06.430Z | 33.246 | -116.2533333 | 4.41 | 3.18 | ci3326315 |
| 1980-02-22T13:39:23.740Z | 33.244 | -116.2135 | 5.78 | 3.88 | ci9724494 |
| 1980-02-22T13:39:18.980Z | 33.2483333 | -116.2293333 | 13.61 | 3.48 | ci3355234 |
| 1980-02-15T23:09:24.820Z | 33.9021667 | -115.5466667 | 0.38 | 3 | ci10071178 |
| 1980-02-14T19:03:22.680Z | 33.8843333 | -115.5181667 | 0 | 3 | ci10071094 |
| 1980-01-26T23:53:06.020Z | 34.409 | -117.0283333 | 5.34 | 3.13 | ci3325498 |
| 1980-01-22T23:06:29.400Z | 33.8835 | -115.5201667 | 0.01 | 3 | ci10069902 |

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|---|---|---|---|---|---|
| 1980-01-04T21:07:37.620Z | 33.882 | -115.5125 | 0.01 | 3 | ci12329831 |
| 1979-12-28T22:59:38.490Z | 33.884 | -115.5193333 | 0.93 | 3 | ci10068290 |
| 1979-12-18T15:37:13.490Z | 34.0285 | -117.1291667 | 7.62 | 3.33 | ci3354642 |
| 1979-12-14T21:11:00.080Z | 33.8831667 | -115.5175 | 0.22 | 3 | ci3354565 |
| 1979-12-07T23:54:36.420Z | 34.0068333 | -116.7153333 | 18.25 | 3.28 | ci3354411 |
| 1979-11-05T22:44:31.450Z | 33.2245 | -116.0195 | 2.66 | 3.12 | ci3353656 |
| 1979-10-24T13:32:49.680Z | 34.1881667 | -116.43 | 2.26 | 3.34 | ci3353249 |
| 1979-10-17T09:17:22.910Z | 33.1566667 | -115.6381667 | 10 | 3.12 | ci12277699 |
| 1979-10-17T02:13:17.870Z | 33.2743333 | -115.6591667 | 3.33 | 3.02 | ci3352519 |
| 1979-10-16T06:19:01.160Z | 33.2333333 | -115.6318333 | 4.56 | 3.5 | ci12265063 |
| 1979-10-16T03:16:09.100Z | 33.1191667 | -115.754 | 6 | 3.29 | ci12264447 |
| 1979-10-15T23:59:50.320Z | 33.2485 | -115.6786667 | 10 | 3 | ci3352094 |
| 1979-10-15T23:58:02.220Z | 33.2623333 | -115.6855 | 3.58 | 3 | ci3352093 |
| 1979-10-10T22:01:08.760Z | 33.8956667 | -115.5473333 | 0.01 | 3.2 | ci3351993 |
| 1979-10-08T11:26:43.040Z | 32.9621667 | -116.3015 | 14.43 | 3.5 | ci3351949 |
| 1979-10-04T13:44:17.860Z | 33.6081667 | -117.2303333 | 13.28 | 3.24 | ci3351866 |
| 1979-09-26T22:30:12.270Z | 33.755 | -116.037 | 0 | 3.13 | ci3351719 |
| 1979-09-26T22:29:36.940Z | 33.7488333 | -116.0041667 | 3.2 | 3.43 | ci12263303 |
| 1979-09-24T07:47:56.850Z | 34.1553333 | -116.665 | 8.07 | 3.13 | ci3351603 |
| 1979-09-23T20:00:58.120Z | 34.2236667 | -116.3706667 | 4.06 | 3.06 | ci3351597 |
| 1979-09-22T09:09:49.810Z | 32.965 | -116.316 | 14.18 | 3.08 | ci3313299 |
| 1979-09-03T11:44:16.270Z | 33.3788333 | -116.3598333 | 3.07 | 3.74 | ci3351281 |
| 1979-08-27T05:19:40.390Z | 33.9255 | -115.9098333 | 10.29 | 3.4 | ci3351086 |
| 1979-08-22T02:01:36.280Z | 33.6973333 | -116.8203333 | 19.03 | 3.93 | ci3351008 |
| 1979-08-13T10:13:01.000Z | 34.286 | -116.3945 | 7.1 | 3.21 | ci3350846 |
| 1979-08-09T22:02:17.200Z | 33.8871667 | -115.522 | 0.06 | 3 | ci3350787 |
| 1979-07-27T23:10:26.380Z | 33.895 | -115.5453333 | 0 | 3 | ci10047782 |
| 1979-07-13T04:57:23.970Z | 34.2535 | -116.4283333 | 3.88 | 3.01 | ci3350570 |
| 1979-07-13T03:51:23.500Z | 34.257 | -116.4238333 | 10.47 | 3.99 | ci3350563 |
| 1979-07-13T02:28:41.080Z | 34.2521667 | -116.4256667 | 8.49 | 3.41 | ci3350556 |
| 1979-07-13T02:26:03.420Z | 34.258 | -116.4235 | 8.75 | 4 | ci12248943 |
| 1979-07-11T22:11:51.410Z | 33.8821667 | -115.514 | 0.07 | 3 | ci3350538 |
| 1979-07-02T12:42:37.210Z | 33.497 | -116.4973333 | 15.29 | 3.63 | ci3350370 |
| 1979-07-02T11:51:55.220Z | 33.4885 | -116.4911667 | 14.74 | 3.68 | ci3350366 |
| 1979-07-01T09:29:28.060Z | 34.2366667 | -116.892 | 9.7 | 3.18 | ci3350345 |
| 1979-06-30T07:03:52.890Z | 34.2478333 | -116.8886667 | 12.92 | 4.36 | ci3350317 |
| 1979-06-30T06:56:32.940Z | 34.2381667 | -116.8923333 | 8.69 | 3.51 | ci3350316 |
| 1979-06-30T00:42:43.530Z | 34.2468333 | -116.8916667 | 10.37 | 3.13 | ci3350297 |
| 1979-06-30T00:34:11.590Z | 34.2415 | -116.8823333 | 12.55 | 4.83 | ci3350295 |
| 1979-06-29T05:53:20.440Z | 34.2455 | -116.8908333 | 11.3 | 4.4 | ci3350266 |
| 1979-06-08T22:05:48.050Z | 33.883 | -115.5176667 | 0 | 3.2 | ci3349622 |
| 1979-05-22T22:01:17.090Z | 33.883 | -115.517 | 0 | 3.2 | ci3349281 |
| 1979-05-21T05:19:04.040Z | 34.0875 | -116.3788333 | 2.44 | 3.07 | ci3349238 |

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**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1979-05-20T12:04:47.930Z | 34.0808333 | -116.3765 | 2.88 | 3.69 | ci3349229 |
| 1979-05-18T22:13:02.360Z | 33.8961667 | -115.5433333 | 0 | 3 | ci3349202 |
| 1979-05-16T22:05:39.000Z | 33.8851667 | -115.5256667 | 0 | 3 | ci3349170 |
| 1979-05-16T04:26:00.980Z | 33.3685 | -116.3538333 | 3.9 | 3.29 | ci3349145 |
| 1979-05-12T10:11:02.110Z | 34.3106667 | -116.4701667 | 6.46 | 3.4 | ci3349054 |
| 1979-05-11T21:57:38.170Z | 33.8875 | -115.5208333 | 0 | 3.2 | ci3349041 |
| 1979-05-11T01:06:52.660Z | 34.3103333 | -116.4728333 | 4.49 | 3.29 | ci3349022 |
| 1979-04-22T16:52:17.270Z | 33.4173333 | -116.543 | 14.81 | 3.26 | ci3348576 |
| 1979-04-20T23:07:02.160Z | 33.8968333 | -115.555 | 0 | 3 | ci3348538 |
| 1979-04-11T23:53:55.780Z | 34.2523333 | -116.433 | 0 | 3.07 | ci3314713 |
| 1979-04-11T23:01:24.770Z | 33.8821667 | -115.5133333 | 0.08 | 3.3 | ci3314712 |
| 1979-04-09T17:32:24.720Z | 34.421 | -116.4558333 | 2.72 | 3.39 | ci3348318 |
| 1979-04-06T16:13:05.300Z | 34.6315 | -116.4923333 | 7.22 | 3.45 | ci3348238 |
| 1979-04-04T22:52:28.160Z | 33.8798333 | -115.5203333 | 0.01 | 3.5 | ci3348195 |
| 1979-04-02T21:15:03.970Z | 34.3013333 | -116.5001667 | 0.25 | 3.15 | ci3348123 |
| 1979-04-02T10:27:28.660Z | 34.2966667 | -116.5011667 | 0 | 3.02 | ci3348113 |
| 1979-03-31T00:16:08.830Z | 34.3038333 | -116.4898333 | 3.27 | 3.89 | ci12245191 |
| 1979-03-28T23:06:36.060Z | 33.8945 | -115.545 | 0.01 | 3.3 | ci3347973 |
| 1979-03-22T22:53:37.810Z | 33.8986667 | -115.5491667 | 0 | 3.3 | ci3347532 |
| 1979-03-21T04:48:35.810Z | 34.2863333 | -116.4095 | 0.34 | 3.02 | ci3347428 |
| 1979-03-20T10:39:47.360Z | 34.3046667 | -116.4505 | 3.41 | 3.13 | ci3347366 |
| 1979-03-19T09:35:51.130Z | 34.2335 | -116.3591667 | 4.26 | 3.05 | ci3347289 |
| 1979-03-18T22:53:02.770Z | 34.2283333 | -116.3461667 | 11.2 | 4.07 | ci3347244 |
| 1979-03-18T12:11:04.320Z | 34.3288333 | -116.4213333 | 2.94 | 3.02 | ci3347202 |
| 1979-03-17T18:48:39.050Z | 34.3151667 | -116.3748333 | 1.88 | 3.33 | ci3347111 |
| 1979-03-17T08:12:42.950Z | 34.2941667 | -116.4016667 | 2.27 | 3.03 | ci3347039 |
| 1979-03-16T21:30:42.210Z | 33.8718333 | -115.4516667 | 0.01 | 3 | ci3346962 |
| 1979-03-16T17:36:59.040Z | 34.3356667 | -116.381 | 7.46 | 4 | ci12241595 |
| 1979-03-16T14:10:57.600Z | 34.3326667 | -116.3916667 | 1.63 | 3.2 | ci12241543 |
| 1979-03-16T07:52:09.240Z | 34.3065 | -116.423 | 4.38 | 3.47 | ci12241447 |
| 1979-03-16T05:54:00.850Z | 34.3063333 | -116.4223333 | 7.68 | 3.38 | ci3346821 |
| 1979-03-16T02:46:51.930Z | 34.3143333 | -116.4288333 | 3.24 | 3.02 | ci3346764 |
| 1979-03-16T01:35:02.150Z | 34.328 | -116.3975 | 3.57 | 3.37 | ci3346741 |
| 1979-03-16T01:21:25.670Z | 34.3305 | -116.394 | 7.2 | 3.8 | ci12241175 |
| 1979-03-16T00:57:29.640Z | 34.3148333 | -116.4368333 | 3.61 | 3.33 | ci3346730 |
| 1979-03-15T23:16:38.430Z | 34.3046667 | -116.425 | 1.44 | 3.84 | ci3346694 |
| 1979-03-15T23:07:57.640Z | 34.3436667 | -116.407 | 2 | 4.77 | ci3346693 |
| 1979-03-15T21:44:50.040Z | 34.3138333 | -116.4221667 | 0.38 | 3 | ci12240939 |
| 1979-03-15T21:34:25.930Z | 34.3493333 | -116.4288333 | 8.94 | 4.47 | ci3346651 |
| 1979-03-15T21:15:49.340Z | 34.319 | -116.441 | 3.01 | 3 | ci3346647 |
| 1979-03-15T21:07:16.780Z | 34.3258333 | -116.416 | 9.27 | 5.23 | ci3346646 |
| 1979-03-15T20:34:54.500Z | 34.3301667 | -116.4411667 | 2.66 | 3.01 | ci3346634 |
| 1979-03-15T20:17:50.280Z | 34.305 | -116.4125 | 8.26 | 4.83 | ci3346630 |

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|---|---|---|---|---|---|
| 1979-03-14T22:55:50.450Z | 33.8866667 | -115.5185 | 0.11 | 3.3 | ci12240755 |
| 1979-03-11T07:14:05.140Z | 34.0138333 | -116.7286667 | 16.5 | 3.28 | ci9694274 |
| 1979-03-08T23:00:01.530Z | 33.8878333 | -115.5138333 | 0.05 | 3.5 | ci3346520 |
| 1979-03-08T10:40:51.620Z | 33.336 | -116.8326667 | 8.81 | 3.09 | ci3346507 |
| 1979-03-06T22:53:55.400Z | 33.8993333 | -115.5478333 | 0.01 | 3.1 | ci3346486 |
| 1979-03-05T22:51:57.180Z | 33.8786667 | -115.5246667 | 0.02 | 3.2 | ci3346468 |
| 1979-03-02T22:49:40.110Z | 33.8878333 | -115.5131667 | 0.09 | 3.5 | ci3346429 |
| 1979-02-23T23:00:57.160Z | 33.8816667 | -115.5208333 | 0.12 | 3 | ci3346307 |
| 1979-02-14T23:10:01.580Z | 33.894 | -115.5455 | 0 | 3.5 | ci3346121 |
| 1979-02-13T01:05:45.920Z | 34.306 | -116.33 | 1.31 | 3.06 | ci3346070 |
| 1979-02-12T04:48:42.370Z | 33.4485 | -116.4141667 | 11.26 | 4.2 | ci3346051 |
| 1979-02-07T22:50:42.940Z | 33.8833333 | -115.5161667 | 0.06 | 3.3 | ci3345971 |
| 1979-02-02T23:03:39.500Z | 33.8978333 | -115.5538333 | 0 | 3 | ci3345882 |
| 1979-01-31T22:20:55.410Z | 33.8926667 | -115.546 | 0.01 | 3.4 | ci3345848 |
| 1979-01-24T22:55:49.880Z | 33.8806667 | -115.5178333 | 0 | 3.3 | ci3345729 |
| 1979-01-23T07:25:07.950Z | 34.4981667 | -116.3388333 | 6.56 | 3.2 | ci3345702 |
| 1979-01-18T23:07:11.750Z | 33.8981667 | -115.5488333 | 0.01 | 3.5 | ci3345638 |
| 1979-01-12T11:47:14.970Z | 33.5051667 | -116.4958333 | 13.02 | 3.02 | ci3345544 |
| 1979-01-11T23:05:46.020Z | 33.8933333 | -115.5478333 | 1.26 | 3.2 | ci12232847 |
| 1979-01-10T22:55:28.160Z | 33.8821667 | -115.5158333 | 0.04 | 3.3 | ci3345511 |
| 1979-01-03T22:54:25.050Z | 33.882 | -115.5191667 | 0.07 | 3.3 | ci3345352 |
| 1979-01-01T17:12:04.730Z | 33.5011667 | -116.5193333 | 15.17 | 3.29 | ci3345165 |
| 1978-12-28T22:55:59.530Z | 33.8978333 | -115.552 | 0 | 3 | ci3345059 |
| 1978-12-20T22:58:49.760Z | 33.891 | -115.5506667 | 0.2 | 3.1 | ci3314283 |
| 1978-12-15T22:56:18.990Z | 33.8838333 | -115.518 | 0 | 3 | ci3314217 |
| 1978-12-15T12:27:57.640Z | 33.873 | -116.1728333 | 2.28 | 3.17 | ci3344025 |
| 1978-12-15T03:36:57.180Z | 33.8798333 | -116.1701667 | 5.22 | 3.3 | ci3344019 |
| 1978-12-12T22:54:28.100Z | 33.8948333 | -115.5458333 | 0 | 3.3 | ci3314187 |
| 1978-12-01T23:20:46.300Z | 33.9235 | -116.6638333 | 18.29 | 3.52 | ci3343819 |
| 1978-11-30T22:49:48.660Z | 33.8796667 | -115.505 | 0.03 | 3 | ci3314101 |
| 1978-11-21T20:54:52.580Z | 34.0128333 | -116.4411667 | 8.82 | 3.03 | ci3314048 |
| 1978-11-20T21:21:49.100Z | 34.1468333 | -116.9766667 | 11.62 | 3.36 | ci3314031 |
| 1978-11-20T06:58:44.950Z | 34.1421667 | -116.9745 | 12.48 | 3.42 | ci3314008 |
| 1978-11-20T06:55:09.300Z | 34.1473333 | -116.9601667 | 14.49 | 4.27 | ci3314007 |
| 1978-11-16T23:04:32.760Z | 33.8863333 | -115.5193333 | 0 | 3.1 | ci3313948 |
| 1978-11-14T22:50:14.170Z | 33.883 | -115.513 | 0 | 3.1 | ci3313920 |
| 1978-11-03T22:54:07.180Z | 33.879 | -115.5123333 | 0 | 3 | ci3343356 |
| 1978-10-27T21:52:45.610Z | 33.8833333 | -115.508 | 0.01 | 3 | ci3313807 |
| 1978-10-20T08:38:29.020Z | 34.2211667 | -116.1823333 | 6.71 | 3.16 | ci3343077 |
| 1978-10-11T12:36:07.610Z | 34.5221667 | -116.0965 | 0.4 | 3.24 | ci3313687 |
| 1978-09-28T23:13:53.270Z | 32.953 | -116.2446667 | 16.2 | 3.83 | ci3313556 |
| 1978-09-15T21:53:59.060Z | 33.8956667 | -115.5368333 | 0.03 | 3.2 | ci3313426 |
| 1978-09-08T21:37:46.430Z | 33.8968333 | -115.546 | 0.05 | 3 | ci3341674 |

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|---|---|---|---|---|---|
| 1978-08-30T21:58:05.650Z | 33.8953333 | -115.5123333 | 3 | 3 | ci3341454 |
| 1978-08-29T21:33:44.330Z | 33.869 | -115.4638333 | 0 | 3.3 | ci3341409 |
| 1978-08-29T15:43:46.180Z | 33.1723333 | -116.3941667 | 21.62 | 3.23 | ci3341398 |
| 1978-08-17T21:47:02.680Z | 33.8701667 | -115.4663333 | 0 | 3 | ci3341127 |
| 1978-08-11T22:16:03.380Z | 33.8833333 | -115.5241667 | 0.01 | 3.3 | ci10012182 |
| 1978-08-08T20:51:09.310Z | 33.8946667 | -115.541 | 0.2 | 3.2 | ci10012010 |
| 1978-08-07T21:22:36.440Z | 33.8943333 | -115.5275 | 0.33 | 3.1 | ci10011930 |
| 1978-08-04T20:23:23.610Z | 33.8688333 | -115.4713333 | 0 | 3.2 | ci10011714 |
| 1978-08-03T21:53:54.500Z | 33.8801667 | -115.5168333 | 0 | 3.2 | ci10011642 |
| 1978-08-03T04:30:41.820Z | 33.6551667 | -116.6941667 | 20.92 | 3.2 | ci3341089 |
| 1978-08-02T21:19:02.520Z | 33.9013333 | -115.548 | 0 | 3.3 | ci3341077 |
| 1978-08-02T06:31:13.360Z | 33.0173333 | -115.8521667 | 2.41 | 3.03 | ci3341057 |
| 1978-07-26T00:38:53.610Z | 34.3585 | -116.9093333 | 8.93 | 3.65 | ci3340919 |
| 1978-07-25T21:13:06.430Z | 33.8761667 | -115.4921667 | 0 | 3.1 | ci3340916 |
| 1978-07-21T21:43:30.650Z | 33.8821667 | -115.52 | 0.08 | 3 | ci3340852 |
| 1978-07-19T20:29:03.680Z | 33.8985 | -115.5416667 | 0 | 3.4 | ci3340809 |
| 1978-07-13T20:14:33.470Z | 33.8956667 | -115.5418333 | 0 | 3 | ci3340707 |
| 1978-07-12T21:45:48.180Z | 33.8861667 | -115.5176667 | 0.09 | 3.2 | ci3340689 |
| 1978-07-12T19:38:25.910Z | 33.9 | -115.5473333 | 0.03 | 3.5 | ci3340685 |
| 1978-07-05T10:47:55.770Z | 33.8741667 | -116.5016667 | 2.26 | 3.65 | ci3340401 |
| 1978-07-03T22:05:54.540Z | 33.87 | -115.465 | 0.01 | 3.3 | ci3340375 |
| 1978-07-03T08:34:58.060Z | 33.4545 | -116.5871667 | 5.66 | 3.04 | ci3340369 |
| 1978-06-26T21:45:30.990Z | 33.8746667 | -115.4708333 | 0.03 | 3 | ci3340232 |
| 1978-06-25T07:31:11.330Z | 34.042 | -117.2711667 | 15.82 | 3.06 | ci3340207 |
| 1978-06-09T18:58:09.690Z | 33.8811667 | -115.5211667 | 0.01 | 3.3 | ci3339899 |
| 1978-06-05T16:03:03.810Z | 33.3995 | -116.6748333 | 16.69 | 4.42 | ci3339828 |
| 1978-06-02T20:52:38.140Z | 33.8976667 | -115.5468333 | 0.06 | 3.3 | ci3339794 |
| 1978-05-31T22:04:08.830Z | 33.8798333 | -115.5123333 | 0.18 | 3.3 | ci3339757 |
| 1978-05-27T19:28:33.480Z | 33.8968333 | -115.551 | 0.15 | 3.2 | ci3339692 |
| 1978-05-25T18:01:38.600Z | 33.8693333 | -115.4683333 | 0 | 3.5 | ci3339651 |
| 1978-05-25T06:43:05.840Z | 34.1486667 | -116.7166667 | 4.47 | 3.4 | ci3339642 |
| 1978-05-23T19:05:04.870Z | 33.899 | -115.545 | 0 | 3.1 | ci3339616 |
| 1978-05-18T21:54:28.410Z | 33.8861667 | -115.5211667 | 0.04 | 3.1 | ci3339524 |
| 1978-05-17T21:48:14.850Z | 33.8868333 | -115.5125 | 0.01 | 3.1 | ci3339512 |
| 1978-05-16T19:11:10.450Z | 33.898 | -115.5491667 | 0 | 3.2 | ci3339499 |
| 1978-05-04T21:56:14.150Z | 33.8825 | -115.5118333 | 0.06 | 3.2 | ci3339246 |
| 1978-05-03T18:21:58.680Z | 33.8961667 | -115.5451667 | 0.08 | 3.5 | ci3339220 |
| 1978-04-29T04:03:46.170Z | 34.2206667 | -116.5601667 | 9.08 | 3.73 | ci3339128 |
| 1978-04-27T22:59:18.880Z | 33.8673333 | -115.4708333 | 0 | 3.1 | ci3339106 |
| 1978-04-27T22:24:38.870Z | 33.8806667 | -115.5168333 | 0.08 | 3.1 | ci3339103 |
| 1978-04-25T22:06:32.160Z | 33.9833333 | -116.9338333 | 20.2 | 3.31 | ci3339063 |
| 1978-04-24T22:39:13.660Z | 33.8998333 | -115.5593333 | 0 | 3.1 | ci3339044 |
| 1978-04-20T23:01:31.490Z | 33.9008333 | -115.5506667 | 0 | 3.2 | ci3338995 |

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|---|---|---|---|---|---|
| 1978-04-18T22:52:21.390Z | 33.8873333 | -115.5291667 | 0 | 3.4 | ci3338961 |
| 1978-04-14T17:47:36.900Z | 33.8773333 | -115.4693333 | 0.01 | 3.1 | ci3338860 |
| 1978-04-11T23:32:08.730Z | 33.8928333 | -115.5538333 | 0.08 | 3.5 | ci3338758 |
| 1978-04-05T22:47:25.580Z | 33.8826667 | -115.5251667 | 0 | 3.2 | ci3338612 |
| 1978-04-01T10:52:27.410Z | 34.1911667 | -116.955 | 11.41 | 3.96 | ci3338504 |
| 1978-03-31T22:43:52.950Z | 33.885 | -115.5266667 | 0.02 | 3 | ci3338495 |
| 1978-03-29T23:02:04.440Z | 33.8826667 | -115.5175 | 0.04 | 3 | ci3338442 |
| 1978-03-28T22:49:47.200Z | 33.8978333 | -115.5488333 | 0 | 3 | ci3338403 |
| 1978-03-27T22:50:41.160Z | 33.8915 | -115.5491667 | 0.07 | 3 | ci3338379 |
| 1978-03-21T23:10:34.520Z | 33.8961667 | -115.5521667 | 0 | 3.1 | ci3338261 |
| 1978-03-14T23:03:12.290Z | 33.8843333 | -115.5305 | 0 | 3 | ci3338052 |
| 1978-03-09T22:57:37.050Z | 33.8913333 | -115.5493333 | 0 | 3.2 | ci3337800 |
| 1978-03-06T22:46:16.820Z | 33.8803333 | -115.5108333 | 0 | 3.2 | ci3337733 |
| 1978-03-03T23:22:00.780Z | 33.9145 | -115.5461667 | 0 | 3 | ci3337690 |
| 1978-03-02T22:58:30.180Z | 33.8681667 | -115.4728333 | 0.01 | 3.1 | ci3337665 |
| 1978-03-01T04:54:30.980Z | 34.549 | -116.7645 | 2.15 | 4.2 | ci3337638 |
| 1978-02-22T19:34:41.720Z | 33.8965 | -115.5473333 | 0.1 | 3.1 | ci3337546 |
| 1978-02-16T10:54:35.280Z | 33.4223333 | -116.3941667 | 6 | 3.16 | ci3337432 |
| 1978-02-08T23:05:54.410Z | 33.8841667 | -115.5118333 | 0.13 | 3 | ci3337271 |
| 1978-02-06T12:57:14.200Z | 33.2508333 | -115.5746667 | 4.12 | 3.52 | ci3337211 |
| 1978-02-06T01:01:28.790Z | 34.03 | -116.7755 | 13.16 | 3.25 | ci9998878 |
| 1978-02-06T00:39:25.700Z | 34.0313333 | -116.7738333 | 12.98 | 3.17 | ci9998870 |
| 1978-02-05T09:53:41.090Z | 34.3058333 | -116.719 | 0.33 | 3.69 | ci9998754 |
| 1978-01-30T20:44:28.320Z | 33.8683333 | -115.4683333 | 0 | 3.2 | ci9998414 |
| 1978-01-29T02:56:08.990Z | 34.0371667 | -115.6211667 | 11.75 | 3.28 | ci9998314 |
| 1978-01-26T22:48:30.210Z | 33.879 | -115.4865 | 0 | 3 | ci9998234 |
| 1978-01-24T08:13:21.740Z | 33.2583333 | -115.9948333 | 4.71 | 3.14 | ci9998074 |
| 1978-01-20T18:59:54.880Z | 33.8783333 | -115.518 | 0.56 | 3.2 | ci9997774 |
| 1978-01-13T20:01:03.370Z | 33.8671667 | -115.4601667 | 0.01 | 3.2 | ci9997446 |
| 1978-01-03T22:46:37.000Z | 33.8951667 | -115.549 | 0.01 | 3 | ci9996794 |
| 1977-12-30T22:55:57.950Z | 33.8971667 | -115.5486667 | 0.98 | 3.3 | ci9996582 |
| 1977-12-28T22:56:07.540Z | 33.8886667 | -115.5171667 | 0 | 3.2 | ci3337163 |
| 1977-12-26T18:36:08.330Z | 33.9875 | -116.8481667 | 9.92 | 3.17 | ci3337128 |
| 1977-12-14T22:10:21.870Z | 33.9055 | -115.5396667 | 0.11 | 3 | ci10079998 |
| 1977-12-09T23:33:26.910Z | 33.8991667 | -115.5578333 | 0 | 3 | ci3336813 |
| 1977-12-05T22:57:43.300Z | 33.8875 | -115.5206667 | 0 | 3 | ci3336730 |
| 1977-11-28T18:57:45.380Z | 33.4336667 | -116.4048333 | 6.34 | 3.11 | ci3336565 |
| 1977-11-25T21:56:58.480Z | 34.2935 | -116.3155 | 8.11 | 3.23 | ci3336526 |
| 1977-11-25T15:32:03.360Z | 33.7851667 | -116.0031667 | 3.28 | 3.15 | ci3336517 |
| 1977-11-11T22:59:58.900Z | 33.8975 | -115.5445 | 0.56 | 3 | ci3335995 |
| 1977-11-10T20:15:54.030Z | 33.8975 | -115.5455 | 0.06 | 3 | ci3335971 |
| 1977-11-02T15:30:25.000Z | 33.5073333 | -115.8881667 | 3.1 | 3.47 | ci3335837 |
| 1977-10-30T06:31:51.990Z | 34.2433333 | -116.4953333 | 8.44 | 3.01 | ci3335784 |

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|---|---|---|---|---|---|
| 1977-10-28T21:56:29.360Z | 33.8958333 | -115.5496667 | 0.11 | 3 | ci3335696 |
| 1977-10-26T21:59:16.820Z | 33.884 | -115.515 | 0.18 | 3 | ci3335640 |
| 1977-10-25T19:09:53.020Z | 33.8735 | -115.462 | 0.02 | 3 | ci3335617 |
| 1977-10-22T04:59:17.400Z | 34.3811667 | -117.0511667 | 2.75 | 3.66 | ci3335520 |
| 1977-10-19T21:58:58.780Z | 33.8965 | -115.5488333 | 0 | 3 | ci3335322 |
| 1977-10-18T19:09:26.690Z | 33.8708333 | -115.4683333 | 0.1 | 3 | ci10082182 |
| 1977-10-13T08:18:10.850Z | 33.2085 | -115.6426667 | 10 | 3.33 | ci3335184 |
| 1977-10-12T21:43:25.170Z | 33.8851667 | -115.5183333 | 0.43 | 3 | ci3335180 |
| 1977-10-05T22:05:08.430Z | 33.893 | -115.5356667 | 0 | 3 | ci3335081 |
| 1977-09-30T22:09:18.930Z | 33.8825 | -115.5063333 | 0.06 | 3 | ci3335013 |
| 1977-09-30T15:09:51.960Z | 34.3118333 | -116.0521667 | 0 | 3.41 | ci3335003 |
| 1977-09-28T21:52:02.500Z | 33.8953333 | -115.556 | 0.75 | 3 | ci3334974 |
| 1977-09-23T22:04:08.730Z | 33.8953333 | -115.5445 | 0.17 | 3 | ci3334891 |
| 1977-09-22T09:41:10.570Z | 33.9636667 | -116.5865 | 8.84 | 3.44 | ci3334855 |
| 1977-09-12T06:17:42.650Z | 34.2123333 | -116.9853333 | 10.29 | 3.2 | ci3334697 |
| 1977-09-09T22:48:47.190Z | 33.8855 | -115.5121667 | 0 | 3.2 | ci3334661 |
| 1977-09-08T04:42:16.900Z | 34.15 | -116.717 | 2 | 3 | usp0000qjb |
| 1977-09-08T01:56:43.700Z | 33.896 | -115.5403333 | 0.01 | 3.4 | ci3334638 |
| 1977-08-27T21:51:47.930Z | 33.9043333 | -115.5426667 | 0 | 3 | ci3334468 |
| 1977-08-12T00:58:29.970Z | 33.7573333 | -116.1873333 | 0.2 | 3.1 | ci3334223 |
| 1977-08-09T21:46:37.540Z | 33.8765 | -115.4898333 | 0.02 | 3 | ci3334189 |
| 1977-07-17T23:09:49.700Z | 33.2005 | -116.0316667 | 16.58 | 3.22 | ci3333920 |
| 1977-07-15T21:46:08.560Z | 33.8956667 | -115.537 | 0.36 | 3 | ci3333905 |
| 1977-07-13T08:12:48.660Z | 33.9896667 | -116.8345 | 7.96 | 3.03 | ci3333866 |
| 1977-06-23T07:12:51.460Z | 33.2541667 | -116.0041667 | 4.23 | 3.32 | ci3333624 |
| 1977-06-17T22:27:32.370Z | 33.893 | -115.541 | 0 | 3.2 | ci9980930 |
| 1977-06-15T21:49:16.940Z | 33.898 | -115.555 | 0 | 3.4 | ci9980858 |
| 1977-05-27T21:50:01.430Z | 33.8846667 | -115.5163333 | 0.11 | 3 | ci9980118 |
| 1977-05-21T23:17:55.140Z | 34.0875 | -117.3121667 | 15.61 | 3.16 | ci3333517 |
| 1977-05-12T23:46:05.250Z | 33.7636667 | -115.9571667 | 0.01 | 3.52 | ci10081682 |
| 1977-05-12T23:44:59.200Z | 33.7738333 | -115.9526667 | 3.57 | 3.09 | ci3333397 |
| 1977-05-11T21:51:35.910Z | 33.8838333 | -115.519 | 0.01 | 3 | ci3333379 |
| 1977-05-04T21:54:03.670Z | 33.883 | -115.5141667 | 0.01 | 3 | ci3333298 |
| 1977-04-28T15:35:33.400Z | 33.3173333 | -115.6858333 | 11.18 | 3.17 | ci3333235 |
| 1977-04-26T09:54:02.830Z | 34.214 | -116.5783333 | 5.16 | 3.1 | ci3333205 |
| 1977-04-25T10:45:50.070Z | 33.2006667 | -116.0475 | 5.96 | 3.15 | ci3333195 |
| 1977-04-22T18:01:25.370Z | 33.3438333 | -116.3578333 | 4.64 | 3.03 | ci3333163 |
| 1977-04-06T06:01:02.640Z | 33.4473333 | -116.466 | 12.2 | 3.47 | ci9978234 |
| 1977-03-31T13:30:29.350Z | 33.4018333 | -116.9786667 | 5.41 | 3.22 | ci9978154 |
| 1977-03-30T23:03:29.780Z | 33.8778333 | -115.5081667 | 0 | 3.2 | ci9978138 |
| 1977-03-25T22:55:30.670Z | 33.9026667 | -115.5358333 | 0.02 | 3.2 | ci9977998 |
| 1977-03-22T22:56:12.290Z | 33.9001667 | -115.5543333 | 0 | 3.2 | ci9977874 |
| 1977-03-18T23:02:36.970Z | 33.8901667 | -115.5115 | 0.02 | 3.1 | ci9977734 |

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|---|---|---|---|---|---|
| 1977-03-15T23:24:04.360Z | 33.8998333 | -115.5476667 | 0.02 | 3.3 | ci9864086 |
| 1977-03-14T23:41:04.640Z | 34.3523333 | -116.1903333 | 0 | 3.03 | ci9864034 |
| 1977-03-14T13:54:47.810Z | 34.359 | -116.1886667 | 0.38 | 3.33 | ci9863998 |
| 1977-03-11T23:00:25.500Z | 33.8935 | -115.5431667 | 0.01 | 3 | ci9863922 |
| 1977-03-09T23:03:06.270Z | 33.8835 | -115.5201667 | 0.01 | 3.2 | ci9863858 |
| 1977-03-07T23:01:06.330Z | 33.8845 | -115.5183333 | 0.02 | 3.1 | ci9863738 |
| 1977-03-01T22:54:47.350Z | 33.8838333 | -115.5195 | 0 | 3.2 | ci3333133 |
| 1977-02-24T03:12:12.590Z | 33.7716667 | -115.66 | 7.8 | 3.03 | ci3333041 |
| 1977-02-10T22:50:42.710Z | 33.8861667 | -115.515 | 0.18 | 3 | ci3332848 |
| 1977-02-10T12:10:47.700Z | 33.96 | -116.5805 | 8.95 | 3.4 | ci3332843 |
| 1977-01-10T05:06:58.920Z | 34.5548333 | -116.4656667 | 17.21 | 3.63 | ci3332331 |
| 1976-12-19T11:42:03.090Z | 33.218 | -116.076 | 13.49 | 3.22 | ci150061 |
| 1976-12-18T17:44:00.220Z | 33.245 | -115.662 | 3.79 | 3.29 | ci150040 |
| 1976-12-06T13:37:25.670Z | 33.778 | -115.666 | 1.9 | 3.31 | ci149817 |
| 1976-11-27T15:23:43.440Z | 33.509 | -116.494 | 15.69 | 3.3 | ci149680 |
| 1976-11-11T03:21:48.830Z | 33.18 | -115.653 | 5.05 | 3.38 | ci149483 |
| 1976-11-04T04:33:46.500Z | 34.053 | -116.431 | 8.97 | 3.24 | ci151066 |
| 1976-11-04T04:06:32.040Z | 32.991 | -116.109 | 8.86 | 3.37 | ci149180 |
| 1976-11-02T02:46:05.880Z | 34.1 | -117.294 | 11.99 | 3.28 | ci150883 |
| 1976-10-26T01:35:15.390Z | 33.252 | -115.981 | 0.12 | 3.16 | ci150815 |
| 1976-10-22T23:19:14.020Z | 33.468 | -116.596 | 10.56 | 3.78 | ci150783 |
| 1976-10-22T19:58:04.170Z | 34.274 | -116.331 | 3.35 | 3.4 | ci149012 |
| 1976-10-09T02:09:27.980Z | 33.348 | -116.205 | 9.87 | 4.18 | ci150626 |
| 1976-09-30T16:05:47.090Z | 33.48 | -116.507 | 15.51 | 3.14 | ci148827 |
| 1976-09-19T11:11:42.100Z | 33.47 | -116.74 | 18.22 | 3.31 | ci148678 |
| 1976-08-30T21:50:36.380Z | 33.981 | -115.36 | 0 | 3.3 | ci153981 |
| 1976-08-20T05:14:03.220Z | 33.458 | -116.474 | 6 | 3.24 | ci3001499 |
| 1976-08-19T20:44:43.160Z | 34.346 | -117.063 | 3.49 | 3.19 | ci3001497 |
| 1976-08-12T03:00:38.830Z | 34.217 | -116.562 | 6.23 | 3.07 | ci153872 |
| 1976-08-11T15:24:55.480Z | 33.492 | -116.522 | 20.84 | 4.3 | ci3001481 |
| 1976-08-08T19:37:51.510Z | 33.89 | -116.027 | 10.35 | 3.7 | ci153859 |
| 1976-07-14T20:19:59.050Z | 33.488 | -116.444 | 6 | 3.12 | ci153623 |
| 1976-07-13T19:42:25.470Z | 33.765 | -115.642 | 0 | 3.2 | ci153603 |
| 1976-06-17T21:35:44.960Z | 34.396 | -116.373 | 2.61 | 3.07 | ci153335 |
| 1976-06-02T22:30:09.340Z | 33.911 | -115.537 | 0 | 3.01 | ci153183 |
| 1976-05-23T13:30:20.650Z | 33.69 | -116.792 | 15.98 | 3.19 | ci153080 |
| 1976-05-10T10:24:24.050Z | 34.467 | -116.879 | 6 | 3.49 | ci152953 |
| 1976-05-07T14:49:30.900Z | 34.07 | -116.701 | 5.87 | 3.03 | ci152925 |
| 1976-03-28T07:22:36.970Z | 33.47 | -116.452 | 14.28 | 3.6 | ci3002522 |
| 1976-03-28T07:14:10.900Z | 33.454 | -116.411 | 1.65 | 3.11 | ci3002518 |
| 1976-03-28T05:33:49.120Z | 34.437 | -116.493 | 5.02 | 3 | ci3002514 |
| 1976-03-19T06:43:42.110Z | 34.283 | -116.326 | 2.87 | 3.04 | ci3002420 |
| 1976-02-29T22:40:35.290Z | 34.141 | -116.722 | 3.26 | 3.17 | ci3002210 |

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|---|---|---|---|---|---|
| 1976-02-29T22:30:09.710Z | 34.147 | -116.719 | 2.24 | 3.79 | ci3002207 |
| 1976-02-17T16:41:25.270Z | 33.133 | -116.464 | 17.87 | 3.29 | ci3002075 |
| 1976-01-21T15:24:47.170Z | 32.983 | -116.305 | 15.24 | 3.01 | ci3001829 |
| 1976-01-14T20:26:24.470Z | 33.087 | -116.649 | 20.69 | 3.32 | ci3001764 |
| 1976-01-08T20:26:50.690Z | 33.856 | -115.792 | 0.52 | 3.12 | ci3001698 |
| 1976-01-01T01:47:54.650Z | 33.517 | -116.583 | 2.56 | 3.21 | ci3001622 |
| 1975-12-14T18:16:19.940Z | 34.292 | -116.327 | 2.27 | 4.21 | ci3006584 |
| 1975-12-14T11:56:27.110Z | 34.296 | -117.007 | 8.13 | 3.18 | ci3006582 |
| 1975-12-08T07:04:08.080Z | 33.127 | -116.039 | 16.57 | 3.35 | ci3006528 |
| 1975-11-29T11:44:15.680Z | 33.492 | -116.482 | 14.25 | 3.09 | ci3006472 |
| 1975-11-18T18:22:30.040Z | 34.295 | -116.339 | 2.86 | 3.06 | ci3006418 |
| 1975-11-15T22:05:51.520Z | 34.289 | -116.34 | 3.4 | 3.07 | ci3006388 |
| 1975-11-15T07:43:48.250Z | 34.29 | -116.338 | 3.75 | 3.31 | ci3006368 |
| 1975-11-15T06:20:46.970Z | 34.3 | -116.331 | 7.68 | 3.39 | ci3006360 |
| 1975-11-15T06:13:27.630Z | 34.305 | -116.331 | 7.63 | 4.48 | ci3006356 |
| 1975-11-15T06:06:03.660Z | 34.298 | -116.334 | 3.32 | 3.46 | ci3006353 |
| 1975-11-07T22:10:45.610Z | 34.44 | -116.458 | 0.96 | 3.38 | ci3006313 |
| 1975-11-05T12:23:15.500Z | 34.538 | -115.808 | 5.18 | 3.01 | ci3006294 |
| 1975-10-21T09:15:52.060Z | 33.967 | -116.402 | 9.31 | 3.66 | ci3006222 |
| 1975-10-14T11:11:19.580Z | 33.064 | -116.469 | 6 | 3.44 | ci3006184 |
| 1975-10-14T10:13:08.100Z | 33.06 | -116.472 | 6 | 3.39 | ci3006183 |
| 1975-09-28T02:45:06.500Z | 33.206 | -116.063 | 6 | 3.34 | ci3006098 |
| 1975-09-16T13:38:19.000Z | 33.333 | -116.368 | 15.82 | 3.03 | ci3006042 |
| 1975-08-20T04:37:16.630Z | 34.509 | -116.485 | 0.16 | 3.36 | ci3023339 |
| 1975-08-14T08:10:36.540Z | 34.042 | -116.432 | 3.84 | 3.82 | ci3023280 |
| 1975-08-14T08:08:49.940Z | 34.044 | -116.429 | 9.94 | 3.96 | ci3023279 |
| 1975-08-03T00:29:08.970Z | 33.526 | -116.563 | 13.61 | 3.06 | ci3023194 |
| 1975-08-02T00:14:07.770Z | 33.525 | -116.544 | 14.39 | 4.9 | ci3023147 |
| 1975-08-01T11:42:13.030Z | 33.633 | -116.745 | 10.97 | 3.17 | ci3023135 |
| 1975-07-16T11:57:20.550Z | 33.218 | -116.575 | 19.21 | 3.23 | ci3023010 |
| 1975-07-04T11:01:43.540Z | 33.228 | -116.076 | 6 | 3.66 | ci3022923 |
| 1975-06-14T22:55:51.070Z | 34.537 | -116.503 | 0.08 | 3.09 | ci3022614 |
| 1975-06-06T12:05:47.190Z | 34.516 | -116.489 | 0.01 | 3.01 | ci3022266 |
| 1975-06-06T01:00:25.250Z | 34.518 | -116.484 | 2.62 | 3.32 | ci3022254 |
| 1975-06-03T21:53:47.810Z | 34.523 | -116.457 | 0.01 | 3.03 | ci3022220 |
| 1975-06-01T05:00:59.580Z | 34.518 | -116.492 | 1.25 | 3.08 | ci3022160 |
| 1975-06-01T01:48:31.110Z | 34.525 | -116.491 | 0.01 | 3.32 | ci3022139 |
| 1975-06-01T01:38:48.740Z | 34.512 | -116.488 | 0.11 | 5.28 | ci3022138 |
| 1975-06-01T01:35:54.480Z | 34.512 | -116.487 | 1.16 | 3.43 | ci3022137 |
| 1975-06-01T01:21:21.940Z | 34.517 | -116.488 | 1 | 3.26 | ci3022136 |
| 1975-04-26T18:32:32.420Z | 33.457 | -116.563 | 9.65 | 3.45 | ci3076365 |
| 1975-04-19T18:46:12.950Z | 33.005 | -116.252 | 13.47 | 3.82 | ci3076302 |
| 1975-04-09T23:03:28.730Z | 33.465 | -116.436 | 0.21 | 3.21 | ci3076223 |

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|---|---|---|---|---|---|
| 1975-03-28T14:06:49.860Z | 33.98 | -115.663 | 4.68 | 3.19 | ci3039355 |
| 1975-03-27T22:40:28.300Z | 33.472 | -116.441 | 5.51 | 3.43 | ci3039341 |
| 1975-03-25T00:35:12.910Z | 32.995 | -116.255 | 13.32 | 3.3 | ci3039330 |
| 1975-03-21T12:02:31.590Z | 32.991 | -116.254 | 14.06 | 3.36 | ci3039307 |
| 1975-03-19T05:16:53.650Z | 32.992 | -116.253 | 6 | 3.31 | ci3039287 |
| 1975-03-05T07:35:48.210Z | 33.004 | -116.245 | 10.03 | 3.12 | ci3038014 |
| 1975-02-22T19:42:08.030Z | 33.505 | -116.521 | 14.89 | 3.01 | ci3037924 |
| 1975-02-10T12:51:17.410Z | 34.406 | -116.643 | 3.42 | 4.33 | ci3037845 |
| 1975-02-02T04:17:09.010Z | 33.984 | -115.664 | 7.15 | 3.18 | ci3037774 |
| 1975-02-01T04:57:27.490Z | 33.984 | -115.665 | 8.6 | 3.35 | ci3037749 |
| 1975-01-30T14:03:18.010Z | 34.006 | -116.745 | 12.85 | 3.13 | ci3037712 |
| 1974-12-23T20:51:41.220Z | 33.9656667 | -116.3531667 | 5.49 | 3.15 | ci3317597 |
| 1974-12-05T20:39:19.910Z | 33.0921667 | -116.5681667 | 14 | 3.15 | ci3317527 |
| 1974-11-28T23:07:59.220Z | 34.2558333 | -116.7813333 | 6 | 3.21 | ci3317500 |
| 1974-11-25T03:50:41.560Z | 33.5181667 | -116.5408333 | 6.62 | 3.28 | ci3317489 |
| 1974-11-21T19:02:34.390Z | 34.1725 | -116.5981667 | 8.37 | 3.26 | ci3317478 |
| 1974-11-17T12:06:59.210Z | 33.2501667 | -116.2891667 | 6 | 3.01 | ci3317459 |
| 1974-11-09T10:12:57.510Z | 33.5873333 | -116.6266667 | 6.9 | 3.21 | ci3317437 |
| 1974-11-09T10:10:35.720Z | 33.5936667 | -116.652 | 8.33 | 3.1 | ci3317434 |
| 1974-10-14T17:33:00.520Z | 34.2476667 | -117.1636667 | 5.87 | 3.22 | ci3317733 |
| 1974-10-11T13:21:31.180Z | 33.2081667 | -116.0976667 | 6 | 3.08 | ci3317728 |
| 1974-10-01T06:46:18.400Z | 33.2248333 | -116.2038333 | 6 | 3.15 | ci3317701 |
| 1974-09-21T10:37:41.810Z | 33.866 | -117.0738333 | 14 | 3.67 | ci3317665 |
| 1974-09-08T12:20:48.190Z | 33.2095 | -116.154 | 6 | 3.44 | ci3317629 |
| 1974-08-17T20:19:35.480Z | 34.6386667 | -116.3576667 | 6 | 3.06 | ci3317977 |
| 1974-08-17T12:44:46.990Z | 33.8051667 | -116.103 | 7.49 | 3.37 | ci3317976 |
| 1974-08-13T20:36:22.360Z | 34.6013333 | -116.3035 | 6 | 3.36 | ci3317949 |
| 1974-08-07T07:17:01.250Z | 34.6346667 | -116.3548333 | 6 | 3.09 | ci3317911 |
| 1974-08-04T09:08:06.450Z | 34.244 | -117.1681667 | 5.85 | 3.48 | ci3317897 |
| 1974-08-04T08:30:32.330Z | 34.6598333 | -116.3441667 | 6 | 3.1 | ci3317893 |
| 1974-08-01T09:04:09.150Z | 34.4913333 | -116.3635 | 6 | 3.21 | ci3317828 |
| 1974-08-01T05:47:57.770Z | 34.6281667 | -116.3051667 | 6 | 3.26 | ci3317819 |
| 1974-07-31T21:52:09.780Z | 34.6366667 | -116.3525 | 6 | 3.22 | ci3318013 |
| 1974-07-31T13:29:55.470Z | 34.5866667 | -116.3901667 | 6 | 3.06 | ci3318014 |
| 1974-07-31T09:07:20.290Z | 34.605 | -116.3805 | 6 | 3.14 | ci3318016 |
| 1974-07-30T12:23:06.830Z | 34.6421667 | -116.3608333 | 6 | 3.16 | ci3319123 |
| 1974-07-30T10:22:20.720Z | 34.6276667 | -116.3595 | 6 | 3.06 | ci3318024 |
| 1974-07-30T08:53:55.580Z | 34.6368333 | -116.2845 | 6 | 3.26 | ci3318026 |
| 1974-07-30T08:36:53.600Z | 34.6353333 | -116.3345 | 6 | 4.15 | ci3318027 |
| 1974-07-30T08:13:13.320Z | 34.6365 | -116.3341667 | 6 | 3.24 | ci3318029 |
| 1974-07-30T07:51:59.920Z | 34.6315 | -116.306 | 6 | 3.44 | ci3318030 |
| 1974-07-30T07:46:36.260Z | 34.5943333 | -116.3185 | 6 | 3.24 | ci3318032 |
| 1974-07-30T07:39:06.860Z | 34.627 | -116.3001667 | 6 | 4.26 | ci3318033 |

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|---|---|---|---|---|---|
| 1974-07-21T22:37:46.000Z | 34.6266667 | -116.3415 | 6 | 3.02 | ci3318045 |
| 1974-07-21T17:40:56.480Z | 34.6258333 | -116.3076667 | 6 | 3.54 | ci3318047 |
| 1974-07-21T17:39:35.010Z | 34.5223333 | -116.28 | 6 | 3.81 | ci3318048 |
| 1974-07-10T07:46:28.160Z | 34.1461667 | -116.7073333 | 6 | 3.47 | ci3318057 |
| 1974-06-23T16:12:59.910Z | 34.2816667 | -116.6008333 | 6 | 3.16 | ci3318100 |
| 1974-06-22T17:01:18.410Z | 34.2896667 | -116.5913333 | 6 | 3.2 | ci3318103 |
| 1974-05-22T00:28:36.490Z | 34.5351667 | -116.5196667 | 6 | 3.43 | ci3318225 |
| 1974-04-06T13:55:44.050Z | 33.3356667 | -116.3775 | 6 | 3.63 | ci3318504 |
| 1974-04-05T10:42:50.160Z | 34.5521667 | -116.394 | 6 | 4.05 | ci3318502 |
| 1974-04-01T14:07:22.110Z | 33.4785 | -116.4333333 | 6 | 3.05 | ci3318480 |
| 1974-03-27T17:22:53.920Z | 33.9508333 | -115.8585 | 9.74 | 3.4 | ci3318467 |
| 1974-03-27T07:04:26.910Z | 34.489 | -116.4515 | 6 | 3.79 | ci3318464 |
| 1974-03-27T06:47:56.760Z | 34.4808333 | -116.457 | 6 | 3.65 | ci3318462 |
| 1974-02-19T06:07:54.570Z | 33.7673333 | -116.0323333 | 1.53 | 3.3 | ci3318648 |
| 1974-02-16T13:01:50.700Z | 34.3581667 | -117.0283333 | 5.13 | 3 | ci12321883 |
| 1974-02-11T12:11:14.450Z | 33.4395 | -116.59 | 5.83 | 3.24 | ci3318632 |
| 1974-02-11T12:10:26.550Z | 33.4461667 | -116.5906667 | 4.67 | 3.26 | ci3318631 |
| 1974-01-31T06:05:28.880Z | 34.0255 | -117.048 | 13.56 | 3.8 | ci3318603 |
| 1974-01-30T07:06:31.270Z | 33.5148333 | -116.5103333 | 5.87 | 3.15 | ci3318679 |
| 1974-01-19T13:13:37.150Z | 34.3528333 | -117.036 | 6 | 3.71 | ci3318557 |
| 1973-12-21T00:30:30.450Z | 33.2538333 | -116.3106667 | 6 | 3.48 | ci3318813 |
| 1973-12-06T14:09:16.860Z | 33.2448333 | -115.9835 | 2.67 | 3.12 | ci3318931 |
| 1973-11-14T01:29:10.800Z | 33.4761667 | -116.497 | 17.9 | 3.14 | ci3319008 |
| 1973-10-21T23:20:51.950Z | 33.0621667 | -115.9475 | 6 | 3.34 | ci3318936 |
| 1973-10-14T07:31:51.840Z | 34.3851667 | -116.659 | 6 | 3.43 | ci3319242 |
| 1973-10-07T07:43:28.940Z | 33.244 | -116.2661667 | 10.01 | 3.08 | ci3319223 |
| 1973-10-07T06:38:08.170Z | 33.2551667 | -116.2956667 | 6 | 3.05 | ci3319222 |
| 1973-10-05T16:47:47.950Z | 34.2595 | -116.7836667 | 6 | 3.24 | ci3319219 |
| 1973-09-22T20:40:20.300Z | 33.483 | -116.383 | 8 | 3 | usp00003h6 |
| 1973-09-19T00:01:00.630Z | 33.1516667 | -116.4035 | 14 | 3.35 | ci3319352 |
| 1973-09-13T22:48:45.100Z | 32.9075 | -116.2531667 | 8.75 | 3.02 | ci3319327 |
| 1973-08-15T12:20:56.440Z | 33.3023333 | -116.312 | 7.45 | 3.1 | ci3319418 |
| 1973-07-17T14:15:22.620Z | 34.4075 | -116.8046667 | 6 | 3.39 | ci3319569 |
| 1973-07-16T03:43:01.890Z | 33.9791667 | -116.4023333 | 1.98 | 3.16 | ci3319563 |
| 1973-07-14T08:00:20.170Z | 34.4308333 | -116.8533333 | 6 | 4.49 | ci3319553 |
| 1973-07-04T06:32:03.790Z | 34.174 | -116.7485 | 6 | 3.72 | ci3319508 |
| 1973-06-27T23:31:07.310Z | 33.2153333 | -116.0476667 | 6 | 3 | ci3319878 |
| 1973-06-25T12:39:50.520Z | 33.8565 | -116.8346667 | 19 | 3.12 | ci3319803 |
| 1973-06-16T17:40:29.880Z | 32.9711667 | -116.2461667 | 15.94 | 3.31 | ci3319641 |
| 1973-05-28T15:42:45.380Z | 33.2801667 | -116.2735 | 6 | 3.03 | ci3320019 |
| 1973-05-27T20:22:58.550Z | 32.9785 | -116.2666667 | 6 | 3.12 | ci3320018 |
| 1973-05-18T06:35:19.360Z | 33.9813333 | -117.1235 | 10 | 3.23 | ci3319960 |
| 1973-05-08T12:41:25.810Z | 34.23 | -116.3108333 | 5.72 | 3.38 | ci3319914 |

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|---|---|---|---|---|---|
| 1973-05-03T10:09:46.850Z | 34.2383333 | -116.1303333 | 5.09 | 3.54 | ci3319904 |
| 1973-05-02T19:25:25.060Z | 33.9836667 | -116.3808333 | 0.01 | 3.04 | ci3319903 |
| 1973-04-12T13:57:02.050Z | 34.2986667 | -116.2906667 | 6.36 | 3.42 | ci3320052 |
| 1973-04-07T22:51:13.390Z | 34.279 | -116.3343333 | 0.39 | 3.28 | ci3320037 |
| 1973-04-03T22:30:44.330Z | 34.2865 | -116.2946667 | 7.92 | 3.23 | ci3320029 |
| 1973-03-28T17:52:26.290Z | 34.1118333 | -117.36 | 13.55 | 3.33 | ci3320298 |
| 1973-03-24T08:11:31.860Z | 34.4686667 | -116.4801667 | 6 | 3.05 | ci3320166 |
| 1973-03-24T05:31:08.040Z | 32.9928333 | -116.4165 | 6 | 3.24 | ci3320165 |
| 1973-03-07T22:59:14.610Z | 33.0325 | -116.2378333 | 6 | 3.2 | ci3320409 |
| 1973-02-25T05:41:41.990Z | 33.246 | -116.7858333 | 8.39 | 3.05 | ci3320388 |
| 1973-02-09T07:41:03.590Z | 34.2978333 | -116.1226667 | 15.71 | 3.28 | ci3320312 |
| 1973-01-22T10:24:29.140Z | 33.2456667 | -116.2436667 | 6 | 3.05 | ci3320444 |
| 1973-01-13T18:46:21.050Z | 33.4786667 | -116.4598333 | 5.25 | 3.32 | ci3320428 |
| 1972-12-28T20:07:25.220Z | 33.4866667 | -116.5396667 | 5.64 | 3.2 | ci3320636 |
| 1972-12-22T11:28:35.740Z | 34.0931667 | -116.7633333 | 6 | 3.59 | ci3320632 |
| 1972-12-19T22:32:21.830Z | 33.9591667 | -116.1073333 | 0.02 | 3.53 | ci3320595 |
| 1972-12-18T05:52:32.230Z | 33.2426667 | -116.0841667 | 6 | 3.22 | ci3320588 |
| 1972-12-04T03:02:44.310Z | 33.2441667 | -116.0408333 | 6 | 3.3 | ci3320561 |
| 1972-11-18T15:08:38.650Z | 34.0093333 | -116.7886667 | 6 | 3.55 | ci3320674 |
| 1972-11-10T21:02:52.180Z | 33.9983333 | -116.9268333 | 14.61 | 3.36 | ci3320647 |
| 1972-11-04T07:16:44.060Z | 33.7083333 | -116.7201667 | 6 | 3.17 | ci3320639 |
| 1972-10-19T13:26:46.940Z | 32.952 | -116.2553333 | 6 | 3.53 | ci3320773 |
| 1972-09-11T19:58:32.400Z | 34.0001667 | -116.3773333 | 0.01 | 3.26 | ci3320986 |
| 1972-09-11T09:40:28.530Z | 34.0051667 | -117.2286667 | 14.5 | 3.85 | ci3320983 |
| 1972-09-11T06:43:59.630Z | 33.482 | -116.4016667 | 3.26 | 3.13 | ci3320982 |
| 1972-08-01T09:20:01.020Z | 34.2891667 | -116.9608333 | 0.95 | 3.17 | ci3321115 |
| 1972-07-29T01:18:51.880Z | 33.2285 | -116.7875 | 12.08 | 3.28 | ci3321107 |
| 1972-06-29T06:41:09.050Z | 34.319 | -117.1038333 | 6 | 3.46 | ci3321244 |
| 1972-06-22T22:02:00.880Z | 33.2473333 | -116.0715 | 6 | 3.12 | ci3321235 |
| 1972-06-22T19:21:30.490Z | 33.4935 | -116.4538333 | 13.25 | 3.31 | ci3321232 |
| 1972-06-11T14:26:27.000Z | 33.2833333 | -116.2666667 | 6 | 3 | ci12316187 |
| 1972-05-20T21:44:15.920Z | 33.9933333 | -116.6255 | 6 | 3.04 | ci3321437 |
| 1972-04-27T22:29:42.490Z | 33.4521667 | -116.8763333 | 9.34 | 3.34 | ci3321372 |
| 1972-04-17T06:24:21.770Z | 34.1555 | -116.6798333 | 6 | 3.22 | ci3321356 |
| 1972-04-14T20:00:58.360Z | 34.099 | -116.3743333 | 6 | 3.99 | ci3321352 |
| 1972-04-07T07:17:52.490Z | 33.7831667 | -115.708 | 6 | 3.1 | ci3321339 |
| 1972-04-06T06:01:15.080Z | 33.6328333 | -115.756 | 6 | 3 | ci3321337 |
| 1972-04-05T19:52:51.090Z | 33.7858333 | -115.7238333 | 6 | 3.17 | ci3321513 |
| 1972-04-05T14:13:40.630Z | 33.7228333 | -115.7415 | 2 | 3.06 | ci3321512 |
| 1972-04-05T09:24:56.660Z | 33.7073333 | -115.7463333 | 0.38 | 3.2 | ci3321510 |
| 1972-04-05T05:53:28.290Z | 33.7701667 | -115.6983333 | 0.02 | 3.03 | ci3321508 |
| 1972-04-01T23:55:15.010Z | 33.8865 | -116.3045 | 6 | 3.19 | ci3321503 |
| 1972-03-25T02:27:39.600Z | 33.2616667 | -116.0321667 | 6 | 3.54 | ci3321495 |

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|---|---|---|---|---|---|
| 1972-03-17T19:48:08.310Z | 33.9818333 | -117.1886667 | 12.47 | 3.31 | ci3321489 |
| 1972-03-04T15:29:20.660Z | 33.2105 | -116.9513333 | 2.8 | 3.54 | ci3321480 |
| 1972-03-01T07:49:37.250Z | 33.428 | -116.9561667 | 5.12 | 3 | ci3321473 |
| 1972-02-17T15:54:30.220Z | 34.0356667 | -116.4728333 | 6 | 3.36 | ci3321598 |
| 1972-01-31T01:55:04.310Z | 34.3058333 | -116.8828333 | 6 | 4.01 | ci3321559 |
| 1972-01-29T10:12:22.660Z | 33.8896667 | -116.3048333 | 6 | 3.39 | ci3321555 |
| 1972-01-28T17:00:21.830Z | 34.2933333 | -116.138 | 6 | 3.78 | ci3321554 |
| 1972-01-26T00:00:30.490Z | 32.9608333 | -116.2763333 | 6 | 3.26 | ci3321549 |
| 1972-01-11T06:15:10.620Z | 33.8078333 | -116.3335 | 6 | 3.08 | ci3321669 |
| 1972-01-11T06:13:43.870Z | 33.916 | -116.3116667 | 6 | 3.48 | ci3321668 |
| 1972-01-11T04:23:43.190Z | 33.877 | -116.2725 | 6 | 3.72 | ci3321667 |
| 1972-01-11T02:17:08.530Z | 33.7481667 | -116.2931667 | 6 | 3.44 | ci3321663 |
| 1972-01-11T01:47:33.240Z | 33.7978333 | -116.283 | 6 | 3.35 | ci3321659 |
| 1972-01-11T01:34:11.750Z | 33.8711667 | -116.2951667 | 6 | 3.22 | ci3321658 |
| 1972-01-07T04:08:23.910Z | 33.1816667 | -116.8005 | 6.8 | 3.34 | ci3321641 |
| 1971-12-31T16:58:57.310Z | 33.6248333 | -116.0835 | 6 | 3.58 | ci3321636 |
| 1971-12-24T22:20:51.330Z | 32.9633333 | -115.99 | 6 | 3.26 | ci3321628 |
| 1971-11-22T07:53:55.730Z | 34.3165 | -117.1281667 | 0 | 3.07 | ci3321727 |
| 1971-11-22T06:53:50.750Z | 34.3276667 | -117.1465 | 2.32 | 3 | ci3321726 |
| 1971-10-28T23:52:30.290Z | 33.238 | -116.9015 | 22.44 | 3.12 | ci3321937 |
| 1971-10-27T04:20:59.810Z | 33.2823333 | -116.1858333 | 6 | 3.09 | ci3321933 |
| 1971-10-22T02:00:53.900Z | 34.2818333 | -116.8406667 | 0.01 | 3.03 | ci3321907 |
| 1971-10-18T21:08:27.800Z | 33.9633333 | -116.4855 | 6 | 3.29 | ci3321899 |
| 1971-10-09T12:39:32.220Z | 32.9725 | -116.3125 | 6 | 3.11 | ci3321864 |
| 1971-10-06T06:49:15.100Z | 33.0705 | -115.8021667 | 6 | 3.73 | ci3321857 |
| 1971-10-05T12:51:25.190Z | 32.9375 | -116.2668333 | 6 | 3.55 | ci3321854 |
| 1971-09-24T00:22:09.100Z | 33.2308333 | -116.8426667 | 13.05 | 3.09 | ci3322164 |
| 1971-09-23T20:35:52.670Z | 32.9591667 | -116.3281667 | 6 | 3.07 | ci3322163 |
| 1971-09-15T08:23:59.990Z | 34.0996667 | -117.3241667 | 10.54 | 3.02 | ci3322152 |
| 1971-09-11T18:54:32.880Z | 33.0176667 | -116.3303333 | 6 | 3.18 | ci3322138 |
| 1971-09-06T16:14:28.730Z | 34.5078333 | -116.304 | 6 | 3.1 | ci3322122 |
| 1971-08-25T23:00:33.220Z | 32.9408333 | -116.2918333 | 6 | 3.92 | ci3322044 |
| 1971-08-17T11:46:09.340Z | 33.4255 | -117.0875 | 3.54 | 3.13 | ci3321969 |
| 1971-07-25T17:31:29.700Z | 33.9943333 | -117.2218333 | 10.38 | 3.09 | ci3322396 |
| 1971-07-25T13:34:31.320Z | 34.0545 | -117.1683333 | 3.39 | 3.01 | ci3322357 |
| 1971-07-15T10:38:51.330Z | 34.2313333 | -117.2231667 | 0 | 3.19 | ci3322179 |
| 1971-06-21T19:24:07.400Z | 33.8568333 | -115.7875 | 6 | 3.31 | ci3322506 |
| 1971-06-06T03:49:10.120Z | 34.5731667 | -116.795 | 6 | 3.23 | ci3322934 |
| 1971-05-26T18:16:53.050Z | 33.262 | -116.7756667 | 7.9 | 3.02 | ci3322919 |
| 1971-05-25T10:02:53.270Z | 33.106 | -116.379 | 6 | 4.09 | ci3322917 |
| 1971-05-22T20:29:33.670Z | 33.1175 | -116.3901667 | 6 | 3.77 | ci3322909 |
| 1971-05-20T17:30:55.140Z | 32.9753333 | -116.3071667 | 6 | 3.06 | ci3322906 |
| 1971-05-16T01:56:56.080Z | 32.9775 | -116.0166667 | 6 | 3.03 | ci3322867 |

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|---|---|---|---|---|---|
| 1971-05-14T12:37:07.900Z | 33.0018333 | -116.3175 | 6 | 3.26 | ci3322857 |
| 1971-05-09T19:29:56.860Z | 34.4623333 | -116.5091667 | 6 | 3 | ci3322839 |
| 1971-05-06T19:45:58.890Z | 33.2486667 | -116.7843333 | 8.01 | 3.38 | ci3322806 |
| 1971-05-01T04:16:21.310Z | 34.3825 | -116.5843333 | 6 | 3.3 | ci3322785 |
| 1971-04-19T10:41:06.750Z | 33.3233333 | -116.2243333 | 6 | 3.73 | ci3323066 |
| 1971-04-04T00:32:22.100Z | 34.0231667 | -116.3191667 | 6 | 3.44 | ci3322989 |
| 1971-03-07T16:34:56.870Z | 33.4441667 | -116.4715 | 7.68 | 3.21 | ci3323229 |
| 1971-02-27T05:40:04.310Z | 34.5736667 | -116.8181667 | 6 | 3.59 | ci3323378 |
| 1971-02-23T00:11:44.920Z | 33.472 | -116.4616667 | 6.51 | 3.25 | ci3323355 |
| 1971-02-23T00:07:41.080Z | 33.4015 | -116.6378333 | 30.87 | 4.19 | ci3323354 |
| 1971-02-18T04:35:17.130Z | 33.8738333 | -116.12 | 6 | 3.24 | ci3323327 |
| 1971-02-14T12:07:48.140Z | 33.8493333 | -116.1171667 | 6 | 3.2 | ci3323297 |
| 1971-02-08T21:29:14.720Z | 33.0811667 | -115.9785 | 6 | 3.18 | ci3323479 |
| 1971-01-23T09:27:09.270Z | 34.2235 | -116.4828333 | 6 | 3.07 | ci3323454 |
| 1971-01-22T22:41:26.610Z | 34.2246667 | -116.4761667 | 6 | 3.03 | ci3323452 |
| 1971-01-19T02:36:12.680Z | 33.9638333 | -116.7495 | 6 | 3.49 | ci3323443 |
| 1971-01-16T04:09:19.590Z | 33.4715 | -116.4215 | 6 | 3.49 | ci3323437 |
| 1971-01-14T02:28:40.810Z | 33.4555 | -116.7205 | 16.71 | 3.25 | ci3323433 |
| 1970-12-24T23:28:22.280Z | 33.009 | -116.2896667 | 6 | 3.68 | ci3323541 |
| 1970-12-15T03:51:28.350Z | 34.5463333 | -116.4503333 | 6 | 3.16 | ci3323533 |
| 1970-12-14T19:14:19.150Z | 34.3296667 | -115.706 | 6 | 3.83 | ci3323532 |
| 1970-11-19T03:49:26.120Z | 33.1048333 | -115.9421667 | 6 | 3.06 | ci3323510 |
| 1970-11-15T09:30:06.500Z | 34.3635 | -116.9293333 | 6 | 3.02 | ci3323500 |
| 1970-11-13T16:22:54.460Z | 34.1646667 | -117.2638333 | 7.35 | 3.45 | ci3323491 |
| 1970-11-03T03:17:05.670Z | 33.9575 | -116.6345 | 6 | 3.44 | ci3323623 |
| 1970-10-26T06:53:51.260Z | 33.0161667 | -116.3958333 | 6 | 3.19 | ci3323604 |
| 1970-10-23T18:27:18.760Z | 33.0746667 | -116.384 | 6 | 3.64 | ci3323592 |
| 1970-09-29T08:14:02.110Z | 33.2403333 | -116.275 | 6 | 3.06 | ci3323712 |
| 1970-09-08T01:51:50.750Z | 33.8685 | -117.0838333 | 6 | 3.01 | ci3323877 |
| 1970-09-01T21:24:56.730Z | 34.2303333 | -117.0773333 | 5.33 | 3.29 | ci3323858 |
| 1970-08-23T20:06:13.450Z | 34.2881667 | -116.3958333 | 6 | 3.18 | ci3323845 |
| 1970-08-20T22:03:40.310Z | 34.2408333 | -115.815 | 6 | 3.57 | ci3323836 |
| 1970-08-14T07:39:56.960Z | 34.037 | -115.9903333 | 6 | 3.37 | ci3323819 |
| 1970-07-16T06:00:38.470Z | 32.9151667 | -116.2396667 | 6 | 3.56 | ci3324018 |
| 1970-07-03T05:18:53.070Z | 34.3278333 | -116.772 | 6 | 3.37 | ci3323923 |
| 1970-06-14T04:18:40.590Z | 33.8583333 | -116.2808333 | 6 | 3.01 | ci3324110 |
| 1970-06-13T08:03:09.300Z | 33.8415 | -116.2471667 | 6 | 3.01 | ci3324099 |
| 1970-06-07T21:49:32.580Z | 33.7983333 | -117.0475 | 2.01 | 3.01 | ci3324096 |
| 1970-05-27T16:04:06.110Z | 33.1085 | -116.0888333 | 6 | 3.14 | ci3324219 |
| 1970-04-27T13:22:57.820Z | 33.8158333 | -116.1195 | 6 | 3.15 | ci3324294 |
| 1970-04-02T09:29:54.200Z | 34.1306667 | -116.1236667 | 6 | 3.37 | ci3324267 |
| 1970-02-11T22:26:36.170Z | 33.7488333 | -117.0383333 | 6 | 3.05 | ci3324945 |
| 1970-01-14T00:06:22.370Z | 33.2588333 | -115.9601667 | 6 | 3.09 | ci3324899 |

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|---|---|---|---|---|---|
| 1970-01-05T12:04:34.860Z | 33.2428333 | -115.986 | 6 | 3.04 | ci3324834 |
| 1970-01-03T19:48:40.840Z | 33.9605 | -116.8305 | 6 | 3.16 | ci3324959 |
| 1969-12-16T17:05:45.580Z | 33.2175 | -115.9295 | 6 | 3.66 | ci3325844 |
| 1969-12-13T09:46:07.030Z | 33.6221667 | -116.6971667 | 10.8 | 3.09 | ci3325835 |
| 1969-12-01T15:15:35.210Z | 32.9626667 | -116.2123333 | 6 | 3.71 | ci3325788 |
| 1969-11-29T22:18:42.010Z | 33.0171667 | -116.255 | 6 | 3.29 | ci3326050 |
| 1969-11-15T16:18:12.310Z | 34.0045 | -116.737 | 6 | 3.01 | ci3325969 |
| 1969-11-07T01:43:19.560Z | 33.1565 | -116.1371667 | 6 | 3.11 | ci3325932 |
| 1969-10-23T17:31:47.620Z | 33.952 | -116.722 | 6 | 3.13 | ci3326119 |
| 1969-10-14T13:18:42.780Z | 32.9301667 | -116.2803333 | 6 | 4.43 | ci3326071 |
| 1969-10-08T16:25:10.640Z | 33.2263333 | -116.0783333 | 6 | 3.6 | ci3326934 |
| 1969-09-28T23:17:30.570Z | 33.2 | -116.0493333 | 6 | 3.77 | ci3326292 |
| 1969-09-26T07:24:00.660Z | 32.9878333 | -116.2673333 | 6 | 3.15 | ci3326288 |
| 1969-09-09T20:14:40.830Z | 34.268 | -116.7901667 | 6 | 3.44 | ci3327091 |
| 1969-09-09T08:21:21.060Z | 33.6423333 | -115.9676667 | 2.09 | 3.6 | ci3327090 |
| 1969-08-29T17:42:18.030Z | 34.0418333 | -117.2915 | 6 | 3.11 | ci3326983 |
| 1969-08-25T11:30:51.550Z | 33.4225 | -116.5001667 | 12.9 | 3.09 | ci3326976 |
| 1969-08-24T07:17:01.330Z | 33.506 | -116.7326667 | 9.9 | 3.09 | ci3326972 |
| 1969-08-20T15:39:25.210Z | 33.0045 | -116.2428333 | 6 | 3.08 | ci3326966 |
| 1969-08-20T15:29:57.540Z | 33.016 | -116.2401667 | 6 | 3.96 | ci3326965 |
| 1969-07-24T22:40:07.070Z | 33.038 | -116.2748333 | 6 | 3.07 | ci3327117 |
| 1969-07-23T03:12:38.510Z | 33.2765 | -116.2853333 | 6 | 3.01 | ci3327104 |
| 1969-06-29T00:12:27.310Z | 34.2135 | -115.8913333 | 6 | 3.08 | ci3327213 |
| 1969-06-28T23:11:20.840Z | 34.2566667 | -115.8111667 | 6 | 3.3 | ci3327211 |
| 1969-06-11T16:12:09.620Z | 33.3308333 | -116.2351667 | 6 | 3.36 | ci3327321 |
| 1969-06-11T14:03:53.660Z | 34.2215 | -116.2851667 | 6 | 3.56 | ci3327320 |
| 1969-06-08T13:59:37.230Z | 33.2248333 | -115.9556667 | 6 | 3.87 | ci3327308 |
| 1969-06-05T11:19:24.960Z | 33.1003333 | -115.8915 | 6 | 3.47 | ci3327548 |
| 1969-06-04T09:36:16.370Z | 33.262 | -116.257 | 6 | 3.22 | ci3327543 |
| 1969-05-19T14:40:32.790Z | 33.3593333 | -116.178 | 6 | 4.47 | ci3327380 |
| 1969-05-11T08:25:24.230Z | 34.3923333 | -116.4805 | 6 | 3.03 | ci3327366 |
| 1969-05-10T07:31:55.940Z | 33.1651667 | -116.0473333 | 6 | 3.17 | ci3327364 |
| 1969-04-30T23:16:36.870Z | 33.3381667 | -116.2591667 | 6 | 3.02 | ci3327623 |
| 1969-04-30T16:45:25.220Z | 33.293 | -116.2478333 | 6 | 3.53 | ci3327619 |
| 1969-04-28T23:20:44.870Z | 33.2591667 | -116.361 | 6 | 5.46 | ci3327613 |
| 1969-04-06T19:38:25.560Z | 33.9048333 | -115.5231667 | 0.01 | 3.03 | ci3327570 |
| 1969-04-06T15:30:05.420Z | 34.5266667 | -116.4558333 | 6 | 3.07 | ci3327569 |
| 1969-04-04T06:05:23.890Z | 33.4821667 | -116.7411667 | 8.82 | 3.07 | ci3327562 |
| 1969-04-01T23:50:20.280Z | 33.481 | -116.5435 | 5.85 | 3.03 | ci3327558 |
| 1969-03-29T06:57:26.840Z | 32.9461667 | -116.221 | 6 | 3.48 | ci3327803 |
| 1969-03-23T23:23:32.770Z | 33.8503333 | -115.9983333 | 6 | 3 | ci3327802 |
| 1969-03-17T03:06:51.740Z | 34.1515 | -117.3488333 | 4.22 | 3.33 | ci3327673 |
| 1969-03-05T13:53:50.160Z | 34.1956667 | -117.3343333 | 0 | 3.36 | ci3327861 |

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|---|---|---|---|---|---|
| 1969-02-23T20:11:24.300Z | 33.731 | -117.1378333 | 6 | 3.03 | ci3327841 |
| 1969-02-05T06:01:46.580Z | 33.9891667 | -116.2458333 | 6 | 3.24 | ci3327816 |
| 1969-01-25T03:40:42.970Z | 33.851 | -115.8068333 | 6 | 3.42 | ci3327919 |
| 1969-01-25T03:00:00.610Z | 33.8875 | -115.7816667 | 6 | 4.12 | ci3327915 |
| 1969-01-25T02:36:07.650Z | 33.8518333 | -116.0051667 | 6 | 3.03 | ci3327914 |
| 1969-01-24T00:12:02.030Z | 33.847 | -116.0061667 | 6 | 3.04 | ci3327913 |
| 1969-01-24T00:09:25.760Z | 33.8736667 | -116.0275 | 6 | 3.54 | ci3327912 |
| 1969-01-23T23:01:00.440Z | 33.8915 | -116.0493333 | 6 | 4.75 | ci3327909 |
| 1969-01-15T09:56:10.350Z | 34.2495 | -115.8668333 | 6 | 3.14 | ci3327899 |
| 1969-01-13T16:23:47.800Z | 34.0196667 | -116.8716667 | 6 | 3.45 | ci3327898 |
| 1968-12-29T13:30:15.550Z | 33.667 | -116.7628333 | 0 | 3.32 | ci3328122 |
| 1968-12-20T19:33:41.070Z | 34.007 | -116.3275 | 6 | 3.1 | ci3328107 |
| 1968-12-17T22:53:51.170Z | 33.0383333 | -115.8376667 | 6 | 4.61 | ci3328220 |
| 1968-12-14T22:30:30.660Z | 32.9 | -116.2498333 | 6 | 3.43 | ci3328215 |
| 1968-12-12T06:14:57.210Z | 34.0591667 | -116.9886667 | 2.77 | 3.2 | ci3328208 |
| 1968-11-28T02:29:57.850Z | 32.975 | -116.2503333 | 6 | 3.33 | ci3328189 |
| 1968-11-23T10:33:50.640Z | 33.3111667 | -116.2075 | 6 | 3.08 | ci3328187 |
| 1968-11-05T11:50:50.410Z | 33.4228333 | -116.4286667 | 6 | 3.03 | ci3328274 |
| 1968-10-31T04:04:43.880Z | 33.0455 | -116.0385 | 6 | 3.11 | ci3328268 |
| 1968-10-28T23:53:13.040Z | 32.9581667 | -116.2865 | 6 | 3.14 | ci3328264 |
| 1968-10-28T11:51:55.270Z | 33.0185 | -116.0401667 | 6 | 3.05 | ci3328261 |
| 1968-10-19T12:07:17.820Z | 34.028 | -116.7708333 | 13.01 | 3.09 | ci3328250 |
| 1968-10-08T19:18:30.600Z | 34.1335 | -117.067 | 7.11 | 3.07 | ci3328231 |
| 1968-10-07T14:15:21.470Z | 33.332 | -116.4571667 | 16.16 | 3.56 | ci3328230 |
| 1968-10-05T00:55:52.180Z | 33.532 | -117.3271667 | 6 | 3.11 | ci3328336 |
| 1968-10-04T10:57:39.430Z | 33.5071667 | -117.3855 | 6 | 3.57 | ci3328323 |
| 1968-09-29T04:06:07.010Z | 33.1123333 | -116.024 | 6 | 3.3 | ci3328309 |
| 1968-08-17T07:44:41.540Z | 34.1105 | -117.2766667 | 6.23 | 3.25 | ci3328668 |
| 1968-08-14T09:19:22.310Z | 33.2965 | -116.2373333 | 6 | 3.63 | ci3328663 |
| 1968-08-06T10:18:40.220Z | 34.0641667 | -116.5045 | 6 | 3.74 | ci3328653 |
| 1968-08-01T05:54:32.030Z | 34.084 | -116.7646667 | 6 | 3.5 | ci3328650 |
| 1968-07-08T15:18:03.390Z | 33.9443333 | -116.7111667 | 6 | 3.44 | ci3328715 |
| 1968-06-26T21:35:11.250Z | 33.2825 | -115.9936667 | 6 | 3.03 | ci3328746 |
| 1968-06-20T16:10:47.430Z | 33.424 | -116.9001667 | 9.77 | 3.37 | ci3328739 |
| 1968-06-14T16:38:12.140Z | 33.0336667 | -115.994 | 6 | 3.14 | ci3328810 |
| 1968-06-11T05:32:16.900Z | 33.3276667 | -116.3538333 | 6 | 3.02 | ci3328802 |
| 1968-06-06T13:18:05.070Z | 32.9828333 | -115.9388333 | 6 | 3.13 | ci3328793 |
| 1968-06-04T03:48:19.770Z | 33.0203333 | -116.0496667 | 6 | 3.14 | ci3328786 |
| 1968-06-03T10:06:41.910Z | 34.3196667 | -117.0071667 | 2.65 | 3.01 | ci3328782 |
| 1968-05-26T06:46:27.950Z | 33.0085 | -116.0376667 | 6 | 3.17 | ci3328909 |
| 1968-05-22T13:26:55.130Z | 33.3148333 | -116.2405 | 6 | 4.04 | ci3328899 |
| 1968-05-21T14:34:31.610Z | 33.0301667 | -116.0126667 | 6 | 3.06 | ci3328896 |
| 1968-05-20T04:04:17.620Z | 33.0368333 | -116.1426667 | 6 | 3.14 | ci3328891 |

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|---|---|---|---|---|---|
| 1968-05-11T18:06:02.110Z | 34.316 | -117.0255 | 1.69 | 3.04 | ci3328874 |
| 1968-05-11T08:46:03.580Z | 33.0126667 | -116.0123333 | 6 | 3.51 | ci3328870 |
| 1968-05-11T08:10:03.910Z | 32.9921667 | -115.999 | 6 | 3.99 | ci3328869 |
| 1968-05-10T05:28:07.460Z | 33.0011667 | -116.026 | 6 | 3.01 | ci3328868 |
| 1968-05-10T04:32:25.010Z | 32.9851667 | -116.0278333 | 6 | 3.24 | ci3328867 |
| 1968-05-09T10:21:45.760Z | 33.1145 | -116.0021667 | 6 | 3.54 | ci3328866 |
| 1968-05-08T16:23:37.730Z | 33.1601667 | -116.1371667 | 6 | 3.14 | ci3328823 |
| 1968-05-07T07:56:37.200Z | 33.2411667 | -116.1035 | 6 | 3.01 | ci3328820 |
| 1968-05-06T10:53:36.370Z | 32.9951667 | -115.9925 | 6 | 3.45 | ci3329003 |
| 1968-05-03T12:15:40.190Z | 33.0006667 | -115.9661667 | 6 | 3.09 | ci3328989 |
| 1968-05-02T00:55:29.610Z | 33.2771667 | -116.2391667 | 6 | 3.44 | ci3328979 |
| 1968-04-30T00:53:35.610Z | 33.3936667 | -116.9266667 | 5.51 | 3.48 | ci3328971 |
| 1968-04-29T22:12:35.290Z | 33.4171667 | -116.9093333 | 11.39 | 3.36 | ci3328970 |
| 1968-04-25T23:07:27.930Z | 33.0701667 | -116.0383333 | 6 | 3.03 | ci3328947 |
| 1968-04-24T22:09:54.650Z | 33.0255 | -116.028 | 6 | 3.39 | ci3328945 |
| 1968-04-24T09:03:12.260Z | 33.0725 | -116.0276667 | 6 | 3.36 | ci3328942 |
| 1968-04-20T09:37:36.960Z | 33.3275 | -116.2068333 | 6 | 3.11 | ci3329104 |
| 1968-04-18T17:42:12.930Z | 34.324 | -116.8883333 | 6 | 4.12 | ci3329101 |
| 1968-04-17T03:14:25.870Z | 33.2305 | -116.2146667 | 6 | 3.3 | ci3329094 |
| 1968-04-17T02:43:47.030Z | 33.0323333 | -115.9685 | 6 | 3.76 | ci3329093 |
| 1968-04-16T03:30:28.940Z | 33.0761667 | -115.9736667 | 6 | 4.48 | ci3329092 |
| 1968-04-15T22:07:05.790Z | 32.9818333 | -115.9528333 | 6 | 3.04 | ci3329090 |
| 1968-04-15T21:56:49.590Z | 33.008 | -115.9731667 | 6 | 3.24 | ci3329089 |
| 1968-04-15T12:28:07.720Z | 33.2875 | -116.286 | 6 | 3.31 | ci3329085 |
| 1968-04-15T10:07:12.100Z | 33.356 | -116.246 | 6 | 3.03 | ci3329084 |
| 1968-04-14T16:46:30.230Z | 33.138 | -116.0898333 | 6 | 3.04 | ci3329082 |
| 1968-04-14T12:55:58.500Z | 33.2291667 | -116.2181667 | 11 | 4.33 | ci3329078 |
| 1968-04-14T01:23:04.020Z | 32.9215 | -116.2618333 | 10.4 | 3.18 | ci3329075 |
| 1968-04-13T18:23:24.630Z | 33.0923333 | -116.0778333 | 6 | 3.32 | ci3329074 |
| 1968-04-13T10:05:18.370Z | 33.0331667 | -116.037 | 6 | 3.2 | ci3329071 |
| 1968-04-13T08:27:06.900Z | 33.0801667 | -116.0811667 | 6 | 3.19 | ci3329068 |
| 1968-04-13T01:23:49.270Z | 33.252 | -116.1991667 | 6 | 3.5 | ci3329067 |
| 1968-04-12T21:02:58.230Z | 33.0636667 | -116.0033333 | 6 | 3.14 | ci3329065 |
| 1968-04-12T15:26:45.160Z | 32.9926667 | -115.9265 | 6 | 3.04 | ci3329064 |
| 1968-04-12T13:42:49.410Z | 33.24 | -116.253 | 6 | 3.09 | ci3329063 |
| 1968-04-12T12:59:53.240Z | 32.9903333 | -115.9676667 | 6 | 3.06 | ci3329061 |
| 1968-04-12T01:37:00.290Z | 33.1381667 | -116.0218333 | 6 | 3.43 | ci3329054 |
| 1968-04-11T22:28:23.610Z | 33.1026667 | -116.0576667 | 6 | 3.35 | ci3329050 |
| 1968-04-11T17:01:50.540Z | 32.9121667 | -116.2233333 | 6 | 3.41 | ci3329048 |
| 1968-04-11T15:56:57.000Z | 33.1666667 | -116.1166667 | 6 | 3.7 | ci10086822 |
| 1968-04-11T15:56:26.960Z | 33.0181667 | -116.104 | 6 | 3.42 | ci3329046 |
| 1968-04-11T11:00:24.520Z | 33.1961667 | -116.1721667 | 6 | 3 | ci3329045 |
| 1968-04-11T01:12:23.960Z | 33.195 | -116.046 | 6 | 3.1 | ci3329041 |

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|---|---|---|---|---|---|
| 1968-04-10T19:11:06.230Z | 33.1605 | -116.118 | 6 | 3.3 | ci3329035 |
| 1968-04-10T19:10:42.670Z | 33.1123333 | -116.0371667 | 6 | 3.42 | ci3329034 |
| 1968-04-10T13:33:03.910Z | 33.2301667 | -116.0468333 | 6 | 3.83 | ci3329032 |
| 1968-04-10T09:22:57.350Z | 33.1345 | -116.0951667 | 6 | 3.16 | ci3329022 |
| 1968-04-10T06:05:11.600Z | 33.2666667 | -116.2186667 | 6 | 3.23 | ci3329021 |
| 1968-04-10T05:33:52.650Z | 33.1185 | -116.1023333 | 6 | 3.08 | ci3329020 |
| 1968-04-10T05:26:28.080Z | 33.0043333 | -116.0105 | 6 | 3.23 | ci3329019 |
| 1968-04-10T04:05:12.660Z | 33.087 | -116.0736667 | 6 | 3.37 | ci3329017 |
| 1968-04-10T00:17:41.510Z | 33.1505 | -116.0876667 | 6 | 3.29 | ci3329010 |
| 1968-04-10T00:01:11.010Z | 33.0576667 | -116.035 | 6 | 3.49 | ci3329009 |
| 1968-04-09T21:39:04.140Z | 33.1053333 | -116.1153333 | 6 | 3.24 | ci3329221 |
| 1968-04-09T20:43:47.540Z | 33.045 | -115.9901667 | 6 | 3 | ci3329219 |
| 1968-04-09T19:32:45.660Z | 33.034 | -116.0311667 | 6 | 3.34 | ci3329218 |
| 1968-04-09T18:31:03.790Z | 33.2963333 | -116.2915 | 14 | 4.45 | ci3329217 |
| 1968-04-09T17:25:36.500Z | 33.1056667 | -116.062 | 6 | 3.51 | ci3329216 |
| 1968-04-09T16:20:56.200Z | 33.1998333 | -116.1925 | 6 | 3.32 | ci3329215 |
| 1968-04-09T15:25:17.700Z | 33.107 | -116.0565 | 6 | 3.19 | ci3329212 |
| 1968-04-09T12:24:28.000Z | 33.1666667 | -116.1166667 | 6 | 3 | ci10086818 |
| 1968-04-09T12:20:00.670Z | 33.2473333 | -116.2188333 | 6 | 3.55 | ci3329211 |
| 1968-04-09T11:31:11.870Z | 33.0821667 | -116.0366667 | 6 | 3.1 | ci3329209 |
| 1968-04-09T11:17:54.410Z | 33.0828333 | -116.0426667 | 6 | 3.88 | ci3329208 |
| 1968-04-09T11:11:49.650Z | 33.1978333 | -116.1475 | 6 | 3.02 | ci3329207 |
| 1968-04-09T10:42:09.110Z | 33.1505 | -116.1236667 | 6 | 3.09 | ci3329206 |
| 1968-04-09T09:38:32.810Z | 33.2123333 | -116.2205 | 6 | 3.86 | ci3329202 |
| 1968-04-09T09:26:25.670Z | 33.0648333 | -116.0525 | 6 | 3.69 | ci3329201 |
| 1968-04-09T08:43:51.930Z | 33.297 | -116.2083333 | 6 | 3.36 | ci3329200 |
| 1968-04-09T08:27:23.830Z | 33.302 | -116.3048333 | 6 | 3.47 | ci3329199 |
| 1968-04-09T08:02:26.000Z | 33.1666667 | -116.1166667 | 6 | 3.5 | ci10086814 |
| 1968-04-09T08:00:37.760Z | 32.9986667 | -115.9808333 | 6 | 4.08 | ci3329198 |
| 1968-04-09T07:40:46.490Z | 33.0913333 | -116.0833333 | 6 | 3.25 | ci3329197 |
| 1968-04-09T07:38:21.730Z | 33.1748333 | -116.1245 | 6 | 3.2 | ci3329196 |
| 1968-04-09T07:36:23.000Z | 33.1666667 | -116.1166667 | 6 | 3.6 | ci10086810 |
| 1968-04-09T07:35:44.860Z | 33.338 | -115.9405 | 6 | 3.38 | ci3329194 |
| 1968-04-09T07:20:47.290Z | 33.1968333 | -115.9918333 | 6 | 3.16 | ci3329193 |
| 1968-04-09T05:13:57.890Z | 33.0411667 | -116.0043333 | 6 | 3.14 | ci3329154 |
| 1968-04-09T05:00:54.490Z | 33.0458333 | -116.0251667 | 6 | 3.64 | ci3329153 |
| 1968-04-09T04:58:16.060Z | 33.1145 | -116.0461667 | 6 | 3.08 | ci3329152 |
| 1968-04-09T04:46:51.760Z | 33.0681667 | -116.0301667 | 6 | 3.15 | ci3329151 |
| 1968-04-09T04:29:56.930Z | 33.1503333 | -116.0845 | 6 | 3.19 | ci3329149 |
| 1968-04-09T04:15:46.930Z | 33.0595 | -116.016 | 6 | 3.72 | ci3329148 |
| 1968-04-09T04:05:05.070Z | 33.185 | -116.1821667 | 6 | 3.72 | ci3329147 |
| 1968-04-09T03:58:35.940Z | 33.0133333 | -115.9788333 | 6 | 4.14 | ci3329146 |
| 1968-04-09T03:48:10.610Z | 33.0686667 | -116.0253333 | 6 | 4.54 | ci3329145 |

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|---|---|---|---|---|---|
| 1968-04-09T03:01:41.330Z | 33.049 | -115.9898333 | 6 | 3.96 | ci3329138 |
| 1968-04-09T02:49:37.960Z | 32.9841667 | -116.4828333 | 6 | 3.24 | ci3329137 |
| 1968-04-09T02:47:49.310Z | 33.0435 | -116.026 | 6 | 3.62 | ci3329135 |
| 1968-04-09T02:44:39.950Z | 33.0111667 | -116.0886667 | 6 | 3.87 | ci3329231 |
| 1968-04-09T02:39:27.480Z | 33.1666667 | -116.1166667 | 6 | 4.23 | ci3329229 |
| 1968-04-09T02:36:47.000Z | 33.1666667 | -116.1166667 | 0 | 3.7 | ci10086798 |
| 1968-04-09T02:33:09.000Z | 33.1666667 | -116.1166667 | 0 | 4.3 | ci10084414 |
| 1968-04-09T02:28:58.390Z | 33.1798333 | -116.103 | 10 | 6.6 | ci3329122 |
| 1968-04-09T02:27:36.510Z | 33.1385 | -116.092 | 10 | 3.71 | ci3329120 |
| 1968-03-28T21:21:33.000Z | 34.0461667 | -116.0803333 | 6 | 4.13 | ci3329115 |
| 1968-03-09T12:50:36.040Z | 34.317 | -116.8595 | 3 | 3.01 | ci3329260 |
| 1968-03-08T05:48:54.870Z | 34.1726667 | -117.0733333 | 8.68 | 3.44 | ci3329259 |
| 1968-02-28T14:58:48.030Z | 33.9973333 | -116.8378333 | 13.5 | 3.01 | ci3329247 |
| 1968-02-12T02:12:25.370Z | 33.0058333 | -116.3021667 | 6 | 3.82 | ci3329303 |
| 1968-01-28T03:47:59.230Z | 33.1828333 | -116.3176667 | 6 | 3.27 | ci3329282 |
| 1968-01-17T19:34:55.700Z | 33.0266667 | -116.381 | 6 | 3.05 | ci3329330 |
| 1968-01-14T21:21:59.060Z | 33.0426667 | -116.4588333 | 6 | 3.33 | ci3329326 |
| 1968-01-11T23:17:00.140Z | 33.4175 | -116.8093333 | 18 | 3.26 | ci3329323 |
| 1967-10-26T11:35:25.210Z | 33.4765 | -116.581 | 18.4 | 3.27 | ci3329467 |
| 1967-10-22T03:32:41.890Z | 34.2796667 | -116.341 | 6 | 3.06 | ci3329461 |
| 1967-09-14T05:19:17.230Z | 33.3296667 | -115.7428333 | 6 | 3.11 | ci3329492 |
| 1967-09-03T12:48:46.310Z | 33.1665 | -116.3686667 | 10.71 | 3.14 | ci3329485 |
| 1967-09-02T05:31:11.660Z | 33.1551667 | -116.336 | 6 | 3.32 | ci3329481 |
| 1967-08-23T13:24:45.380Z | 33.9133333 | -116.1098333 | 6 | 3.09 | ci3329544 |
| 1967-08-11T17:40:14.720Z | 33.518 | -116.5763333 | 4.87 | 3.26 | ci3329530 |
| 1967-08-11T00:57:11.800Z | 33.515 | -116.5816667 | 19.32 | 4.09 | ci3329527 |
| 1967-08-11T00:02:40.800Z | 33.393 | -116.4363333 | 4.54 | 3.23 | ci3329526 |
| 1967-07-19T23:27:08.820Z | 33.2888333 | -116.2333333 | 6 | 3.11 | ci3329556 |
| 1967-06-30T04:04:11.600Z | 33.1155 | -116.3783333 | 6 | 3.49 | ci3329617 |
| 1967-05-28T18:47:01.670Z | 33.2046667 | -115.9216667 | 6 | 3.39 | ci3329655 |
| 1967-05-21T14:42:34.060Z | 33.5518333 | -116.6315 | 8.44 | 4.71 | ci3329635 |
| 1967-04-03T13:57:27.480Z | 34.1703333 | -116.2071667 | 6 | 3.12 | ci3329738 |
| 1967-04-02T20:15:38.480Z | 32.9905 | -116.2753333 | 6 | 4.17 | ci3329736 |
| 1967-03-23T02:22:31.740Z | 33.4915 | -116.4586667 | 11.97 | 3.09 | ci3329727 |
| 1967-03-11T16:02:28.780Z | 33.9028333 | -116.6088333 | 6 | 3.21 | ci3329717 |
| 1967-03-01T06:10:18.870Z | 34.2176667 | -116.7616667 | 6 | 3.63 | ci3329755 |
| 1967-02-23T21:19:21.090Z | 33.1875 | -116.0446667 | 6 | 3.57 | ci3329749 |
| 1967-02-18T18:48:56.850Z | 34.1005 | -117.3533333 | 16.04 | 3.61 | ci3329811 |
| 1967-02-11T19:06:39.010Z | 32.9688333 | -116.4196667 | 6 | 3.1 | ci3329821 |
| 1967-02-11T11:19:52.790Z | 33.1585 | -116.1413333 | 6 | 3.33 | ci3329800 |
| 1967-01-27T20:13:10.020Z | 34.2163333 | -116.7566667 | 6 | 3.43 | ci3329782 |
| 1966-11-21T13:48:44.630Z | 34.3946667 | -116.7635 | 6 | 3.41 | ci3329982 |
| 1966-10-20T10:35:41.130Z | 33.0825 | -115.785 | 6 | 3.43 | ci3330006 |

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|---|---|---|---|---|---|
| 1966-10-08T12:33:23.450Z | 33.9615 | -116.605 | 6 | 3 | ci3330050 |
| 1966-10-05T12:29:49.340Z | 34.4336667 | -116.5055 | 6 | 3.33 | ci3330048 |
| 1966-09-16T22:54:10.340Z | 33.1748333 | -116.3893333 | 6 | 3.55 | ci3330077 |
| 1966-09-16T14:55:43.590Z | 34.454 | -116.974 | 6 | 3.13 | ci3330076 |
| 1966-09-14T20:47:43.970Z | 33.4796667 | -116.3591667 | 6 | 3.25 | ci3330075 |
| 1966-09-09T01:12:28.300Z | 34.0246667 | -116.4108333 | 6 | 3.05 | ci3330067 |
| 1966-09-02T11:06:29.870Z | 34.1236667 | -117.4073333 | 5.9 | 3.68 | ci3330054 |
| 1966-08-31T08:19:43.510Z | 33.0325 | -115.9821667 | 4 | 3.23 | ci3330053 |
| 1966-08-25T05:54:06.330Z | 33.0381667 | -116.4356667 | 6 | 3.04 | ci3330100 |
| 1966-06-27T23:37:15.140Z | 33.8613333 | -115.3963333 | 0.01 | 3.1 | ci3330122 |
| 1966-06-07T16:38:32.530Z | 33.56 | -116.5303333 | 3.89 | 3.34 | ci3330208 |
| 1966-05-15T09:33:32.160Z | 34.1211667 | -116.7455 | 6 | 3.16 | ci3330225 |
| 1966-04-18T09:21:19.820Z | 34.0263333 | -116.665 | 6 | 3.48 | ci3330246 |
| 1966-03-31T11:49:11.530Z | 34.1696667 | -117.3613333 | 4.96 | 3.14 | ci3330230 |
| 1966-03-29T22:56:17.150Z | 33.728 | -115.3633333 | 6 | 3.11 | ci3330229 |
| 1966-03-19T14:21:56.510Z | 33.257 | -116.2696667 | 6 | 4.06 | ci3330266 |
| 1966-02-14T10:57:48.640Z | 33.207 | -116.0646667 | 6 | 3.71 | ci3330295 |
| 1966-02-13T14:34:48.400Z | 33.1326667 | -116.4285 | 6 | 3.53 | ci3330293 |
| 1966-02-12T15:23:15.450Z | 33.323 | -116.4233333 | 0 | 3.17 | ci3330291 |
| 1966-01-26T21:45:06.670Z | 33.1626667 | -116.4403333 | 6 | 3.54 | ci3330280 |
| 1966-01-22T02:19:46.610Z | 34.214 | -116.4696667 | 6 | 3.36 | ci3330275 |
| 1966-01-11T00:32:11.950Z | 33.7611667 | -116.0738333 | 6 | 3.39 | ci3330305 |
| 1966-01-08T05:31:02.790Z | 33.1781667 | -116.567 | 6 | 3.3 | ci10086762 |
| 1966-01-07T19:10:22.830Z | 33.2066667 | -116.2085 | 6 | 3.98 | ci3330304 |
| 1965-12-30T16:30:34.830Z | 33.581 | -116.5368333 | 6 | 3.45 | ci3330336 |
| 1965-12-26T14:25:00.860Z | 33.3205 | -116.7376667 | 5.6 | 3.61 | ci3330330 |
| 1965-12-11T07:54:06.640Z | 34.0016667 | -116.7081667 | 6 | 3.13 | ci3330356 |
| 1965-12-03T22:49:51.790Z | 34.2378333 | -117.0911667 | 0.06 | 3.56 | ci3330367 |
| 1965-11-27T04:34:40.180Z | 33.0985 | -116.4576667 | 13.02 | 3.02 | ci3330364 |
| 1965-11-02T12:41:01.810Z | 33.3731667 | -116.2991667 | 6 | 3.66 | ci3330385 |
| 1965-10-23T19:39:54.370Z | 34.0016667 | -116.752 | 6 | 3.44 | ci3330374 |
| 1965-10-21T08:43:01.950Z | 34.0115 | -116.7638333 | 6 | 3.72 | ci3330369 |
| 1965-10-20T01:16:43.470Z | 33.9975 | -116.782 | 6 | 3.46 | ci3330440 |
| 1965-10-19T21:33:13.050Z | 34.0005 | -116.7533333 | 15.93 | 3.73 | ci3330437 |
| 1965-10-17T15:36:52.680Z | 34.0151667 | -116.7858333 | 15.19 | 3.95 | ci3330429 |
| 1965-10-17T09:45:18.780Z | 33.99 | -116.7613333 | 13 | 4.95 | ci3330427 |
| 1965-10-10T11:35:21.090Z | 34.1831667 | -115.918 | 6 | 3.24 | ci3330421 |
| 1965-09-11T15:59:06.250Z | 34.0938333 | -116.5341667 | 6 | 3.12 | ci3330449 |
| 1965-08-31T14:37:23.800Z | 33.1361667 | -115.997 | 6 | 3.37 | ci3330499 |
| 1965-08-30T21:13:10.950Z | 33.2673333 | -116.1516667 | 6 | 3.39 | ci3330497 |
| 1965-08-26T13:49:26.730Z | 33.2483333 | -116.08 | 6 | 3.69 | ci3330493 |
| 1965-08-26T13:46:35.140Z | 33.2376667 | -116.0538333 | 6 | 3.65 | ci3330492 |
| 1965-08-26T13:45:24.550Z | 33.2645 | -116.1095 | 6 | 3.39 | ci3330491 |

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|---|---|---|---|---|---|
| 1965-08-26T13:44:22.510Z | 33.294 | -116.139 | 6 | 3.28 | ci3330490 |
| 1965-08-26T13:38:13.820Z | 33.2556667 | -116.0925 | 6 | 4.45 | ci3330489 |
| 1965-08-26T12:53:50.810Z | 33.2395 | -116.0665 | 6 | 4.09 | ci3330488 |
| 1965-08-26T06:36:13.640Z | 33.19 | -116.0135 | 6 | 3.07 | ci3330486 |
| 1965-08-26T05:14:27.780Z | 33.2183333 | -116.0303333 | 6 | 3.05 | ci3330484 |
| 1965-08-20T07:56:37.510Z | 33.1306667 | -115.8623333 | 6 | 3.02 | ci3330479 |
| 1965-08-14T11:04:47.850Z | 33.4013333 | -116.1291667 | 6 | 3.13 | ci3330475 |
| 1965-08-01T18:06:28.690Z | 33.2171667 | -116.003 | 6 | 3.09 | ci3330522 |
| 1965-07-30T11:32:45.500Z | 33.2375 | -116.0135 | 6 | 3.32 | ci3330520 |
| 1965-07-27T15:17:51.940Z | 33.2088333 | -116.0095 | 6 | 3.72 | ci3330517 |
| 1965-07-27T14:04:40.850Z | 33.2428333 | -116.0018333 | 6 | 4.21 | ci3330516 |
| 1965-07-27T13:31:14.300Z | 33.2155 | -115.9941667 | 6 | 3.45 | ci3330515 |
| 1965-07-27T13:17:53.620Z | 33.0648333 | -115.8168333 | 6 | 3.42 | ci3330514 |
| 1965-07-27T13:08:44.610Z | 33.1963333 | -115.9915 | 6 | 3.36 | ci3330513 |
| 1965-07-18T16:23:45.120Z | 33.7381667 | -116.0876667 | 0.98 | 3.05 | ci3330506 |
| 1965-07-18T15:58:10.320Z | 33.7526667 | -116.0763333 | 4.06 | 3.52 | ci3330505 |
| 1965-07-16T22:08:43.980Z | 33.3278333 | -116.2695 | 6 | 3.19 | ci3330504 |
| 1965-07-06T09:10:08.980Z | 33.4651667 | -116.4821667 | 3.42 | 3.47 | ci3330562 |
| 1965-06-23T16:50:06.970Z | 34.0216667 | -116.7338333 | 6 | 3.01 | ci3330553 |
| 1965-06-18T13:55:52.500Z | 34.0286667 | -116.4588333 | 6 | 3.22 | ci3330549 |
| 1965-04-25T09:15:18.390Z | 33.1638333 | -115.9676667 | 6 | 3.1 | ci3330585 |
| 1965-02-27T02:28:08.840Z | 34.0786667 | -117.3035 | 16.15 | 3.24 | ci3330679 |
| 1965-02-14T20:05:47.530Z | 34.1758333 | -116.904 | 6 | 3.38 | ci3330713 |
| 1965-01-21T21:09:50.600Z | 34.0288333 | -117.3186667 | 19.7 | 3.06 | ci3330724 |
| 1965-01-14T07:28:07.720Z | 34.1193333 | -116.5841667 | 6 | 3.35 | ci3330718 |
| 1964-11-21T17:35:23.060Z | 32.9916667 | -116.061 | 6 | 3.48 | ci3330763 |
| 1964-11-17T14:52:28.040Z | 33.8561667 | -116.5856667 | 6 | 3.95 | ci3330802 |
| 1964-10-29T21:18:06.550Z | 34.3508333 | -116.5596667 | 6 | 3.32 | ci3330787 |
| 1964-10-05T01:24:55.570Z | 33.055 | -115.8755 | 6 | 4.32 | ci3330822 |
| 1964-09-04T07:12:52.740Z | 34.0046667 | -116.7993333 | 6 | 3.05 | ci3330846 |
| 1964-08-31T16:16:49.200Z | 33.9653333 | -116.6191667 | 6 | 3.05 | ci3330843 |
| 1964-08-17T22:33:47.390Z | 33.2106667 | -116.0478333 | 6 | 3.77 | ci3330835 |
| 1964-08-04T20:45:43.270Z | 33.5506667 | -116.68 | 6.71 | 4.03 | ci3330885 |
| 1964-07-22T23:40:29.090Z | 34.1548333 | -116.1778333 | 6 | 3.37 | ci3330878 |
| 1964-06-06T17:39:19.230Z | 33.929 | -116.7411667 | 6 | 3.02 | ci3330893 |
| 1964-05-22T05:06:41.500Z | 34.0863333 | -117.2595 | 17.06 | 3.11 | ci3330928 |
| 1964-05-22T02:38:24.710Z | 33.4561667 | -116.6106667 | 5.69 | 3.87 | ci3330927 |
| 1964-05-14T11:23:48.580Z | 34.5023333 | -116.2636667 | 6 | 3.02 | ci3330925 |
| 1964-05-09T07:22:23.780Z | 34.4825 | -116.3346667 | 6 | 3.54 | ci3330923 |
| 1964-04-29T23:27:44.020Z | 33.047 | -116.371 | 6 | 3.13 | ci3330919 |
| 1964-04-15T20:16:57.790Z | 33.4386667 | -116.6378333 | 5.15 | 3.05 | ci3330936 |
| 1964-03-26T03:06:58.140Z | 33.2483333 | -116.4541667 | 6 | 3.03 | ci3330998 |
| 1964-03-15T20:29:43.400Z | 33.2025 | -115.6423333 | 6 | 3.21 | ci3330986 |

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|---|---|---|---|---|---|
| 1964-03-15T19:44:20.790Z | 33.1916667 | -115.6798333 | 6 | 3.41 | ci3330985 |
| 1964-03-15T05:48:35.420Z | 33.4871667 | -116.5003333 | 5.04 | 3.23 | ci3330984 |
| 1964-02-28T09:09:34.310Z | 33.4006667 | -116.2265 | 6 | 3.23 | ci3330971 |
| 1964-02-17T18:57:19.900Z | 33.4468333 | -116.6525 | 16.16 | 3.45 | ci3331033 |
| 1964-02-01T19:51:40.810Z | 33.263 | -115.67 | 6 | 3.59 | ci3331013 |
| 1964-02-01T01:29:56.380Z | 33.1663333 | -115.7663333 | 6 | 3.45 | ci3331034 |
| 1964-01-31T07:47:24.400Z | 33.1518333 | -116.2075 | 6 | 3.39 | ci3331010 |
| 1964-01-30T11:50:35.670Z | 34.0465 | -116.8555 | 6 | 3.41 | ci3357482 |
| 1964-01-30T11:50:19.190Z | 34.0365 | -116.7791667 | 6 | 3.31 | ci3331007 |
| 1964-01-16T17:31:06.130Z | 33.0266667 | -116.1716667 | 6 | 3.22 | ci3331000 |
| 1964-01-07T00:06:12.020Z | 34.394 | -116.5508333 | 6 | 3.22 | ci3331047 |
| 1964-01-06T23:57:29.370Z | 34.384 | -116.5435 | 6 | 3.27 | ci3331046 |
| 1964-01-06T23:47:13.130Z | 34.373 | -116.4826667 | 6 | 4.55 | ci3331045 |
| 1964-01-06T23:15:57.400Z | 34.3635 | -116.5091667 | 6 | 3.87 | ci3331044 |
| 1963-12-27T12:26:01.500Z | 32.9975 | -116.741 | 0.44 | 3.29 | ci3331073 |
| 1963-12-24T11:14:09.130Z | 34.5503333 | -116.8455 | 6 | 3.22 | ci3331072 |
| 1963-12-20T10:27:58.460Z | 34.1763333 | -116.1935 | 6 | 3.52 | ci3331069 |
| 1963-12-11T12:59:05.590Z | 34.197 | -116.7795 | 6 | 3.05 | ci3331063 |
| 1963-12-10T22:26:11.070Z | 34.2081667 | -116.7573333 | 6 | 3.73 | ci3331062 |
| 1963-11-18T23:26:27.250Z | 33.4496667 | -116.647 | 5.01 | 3.38 | ci3331091 |
| 1963-11-08T16:25:29.650Z | 34.059 | -117.3236667 | 15.56 | 3.18 | ci3331084 |
| 1963-11-02T18:58:11.700Z | 33.2668333 | -115.8023333 | 6 | 3.64 | ci3331096 |
| 1963-10-28T20:13:48.820Z | 33.2911667 | -115.8345 | 6 | 3.75 | ci3331196 |
| 1963-10-28T15:55:38.450Z | 33.292 | -115.8445 | 6 | 3.64 | ci3331190 |
| 1963-10-28T08:14:18.260Z | 33.2731667 | -115.8465 | 6 | 4.14 | ci3331159 |
| 1963-10-28T00:30:41.730Z | 33.3025 | -115.8908333 | 6 | 3.32 | ci3331123 |
| 1963-10-27T20:27:31.590Z | 34.4793333 | -116.3446667 | 6 | 3.08 | ci3331121 |
| 1963-10-27T19:38:16.730Z | 33.2096667 | -115.6925 | 6 | 3.47 | ci3331120 |
| 1963-10-27T18:49:38.220Z | 33.2425 | -115.7463333 | 6 | 3.81 | ci3331119 |
| 1963-10-27T18:22:05.900Z | 33.173 | -115.683 | 6 | 3.68 | ci3331118 |
| 1963-10-27T18:12:50.410Z | 33.1886667 | -115.6225 | 6 | 4.29 | ci3331117 |
| 1963-10-27T18:07:45.360Z | 33.1953333 | -115.6311667 | 6 | 3.87 | ci3331116 |
| 1963-10-27T17:52:20.210Z | 33.2026667 | -115.7005 | 6 | 3.75 | ci3331115 |
| 1963-10-27T17:49:16.890Z | 33.2738333 | -115.7915 | 6 | 3.21 | ci3331114 |
| 1963-10-27T15:24:12.040Z | 33.236 | -115.7136667 | 6 | 3.39 | ci3331158 |
| 1963-10-27T14:56:56.320Z | 33.2301667 | -115.7165 | 6 | 4 | ci3331109 |
| 1963-10-27T14:52:47.120Z | 33.4021667 | -115.9295 | 6 | 4.07 | ci3331107 |
| 1963-10-27T14:50:22.700Z | 33.2801667 | -115.7735 | 6 | 4.02 | ci3331106 |
| 1963-10-08T23:02:41.780Z | 33.5918333 | -117.2385 | 6 | 3.65 | ci3331183 |
| 1963-10-04T15:33:39.070Z | 33.9683333 | -116.9108333 | 6 | 3.21 | ci3331182 |
| 1963-09-26T17:26:00.120Z | 34.211 | -117.1418333 | 16.39 | 3.38 | ci3331177 |
| 1963-09-23T14:41:52.790Z | 33.7036667 | -116.9381667 | 10.66 | 5.29 | ci3331170 |
| 1963-09-09T17:45:48.800Z | 33.5016667 | -116.5123333 | 5.85 | 3.31 | ci3331215 |

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|---|---|---|---|---|---|
| 1963-09-06T00:44:18.770Z | 33.8693333 | -117.0285 | 11.98 | 3.32 | ci3331214 |
| 1963-08-30T11:21:04.270Z | 34.1486667 | -116.2108333 | 6 | 3.03 | ci3331207 |
| 1963-08-22T04:33:56.190Z | 34.1448333 | -116.192 | 6 | 4.15 | ci3331259 |
| 1963-08-06T23:38:46.180Z | 33.8091667 | -116.9065 | 6 | 3.57 | ci3331250 |
| 1963-08-03T15:15:49.740Z | 34.1333333 | -116.1605 | 6 | 3.15 | ci3331247 |
| 1963-07-30T22:45:57.410Z | 34.1543333 | -116.1826667 | 6 | 3.45 | ci3331243 |
| 1963-07-30T17:47:42.750Z | 34.1453333 | -116.1858333 | 6 | 3.15 | ci3331241 |
| 1963-07-30T17:28:26.030Z | 34.1366667 | -116.1258333 | 6 | 3.07 | ci3331262 |
| 1963-07-30T10:25:24.890Z | 34.1688333 | -116.1631667 | 6 | 3.17 | ci3331239 |
| 1963-07-30T06:34:56.850Z | 34.1613333 | -116.189 | 6 | 4.64 | ci3331237 |
| 1963-07-26T07:33:51.500Z | 34.033 | -117.2946667 | 18.2 | 3.61 | ci3331306 |
| 1963-07-24T11:41:52.960Z | 34.1788333 | -116.1595 | 6 | 3.14 | ci3331305 |
| 1963-07-19T15:54:56.680Z | 34.1556667 | -116.2053333 | 6 | 3.77 | ci3331300 |
| 1963-07-19T08:33:54.030Z | 34.1693333 | -116.1921667 | 6 | 3.25 | ci3331299 |
| 1963-07-18T19:37:44.980Z | 34.165 | -116.1376667 | 6 | 3.99 | ci3331297 |
| 1963-07-18T10:40:31.430Z | 34.1761667 | -116.13 | 6 | 3.48 | ci3331295 |
| 1963-07-17T23:11:07.100Z | 34.149 | -116.1876667 | 6 | 3.61 | ci3331291 |
| 1963-07-17T23:05:42.750Z | 34.1576667 | -116.067 | 6 | 3.49 | ci3331290 |
| 1963-07-17T20:44:34.660Z | 34.1243333 | -116.15 | 6 | 3.07 | ci3331289 |
| 1963-07-07T03:57:14.540Z | 33.5813333 | -117.2141667 | 16 | 3.25 | ci3331280 |
| 1963-07-06T16:11:09.270Z | 34.2751667 | -116.3708333 | 6 | 3.12 | ci3331277 |
| 1963-07-05T14:58:30.570Z | 33.1733333 | -116.0108333 | 6 | 3.18 | ci3331276 |
| 1963-07-05T08:27:11.980Z | 34.188 | -116.1868333 | 6 | 3.22 | ci3331275 |
| 1963-06-21T23:26:22.970Z | 34.4048333 | -117.0478333 | 6 | 3.33 | ci3331266 |
| 1963-06-21T17:00:36.340Z | 33.0936667 | -116.4746667 | 20 | 3.64 | ci3331265 |
| 1963-06-05T00:24:44.830Z | 33.9756667 | -116.6606667 | 6 | 3.19 | ci3331334 |
| 1963-06-01T09:56:03.320Z | 33.4623333 | -116.0938333 | 6 | 3.25 | ci3331333 |
| 1963-05-31T06:15:49.320Z | 33.1545 | -116.3763333 | 6 | 3.03 | ci3331327 |
| 1963-04-10T12:54:18.980Z | 33.0405 | -115.9841667 | 6 | 3.19 | ci3331391 |
| 1963-03-30T18:28:16.440Z | 33.9433333 | -116.7928333 | 6 | 3.06 | ci3331385 |
| 1963-03-16T09:35:54.030Z | 34.3466667 | -116.877 | 6 | 3.57 | ci3331424 |
| 1963-03-08T14:29:21.830Z | 32.9468333 | -116.3933333 | 6 | 3.09 | ci3331416 |
| 1963-01-25T06:33:35.260Z | 33.0365 | -116.2393333 | 6 | 3.28 | ci3331447 |
| 1963-01-25T05:39:59.390Z | 33.0325 | -116.1998333 | 6 | 3.55 | ci3331446 |
| 1963-01-16T12:51:08.500Z | 34.2535 | -117.0995 | 0.06 | 3.49 | ci3331441 |
| 1963-01-14T01:33:30.890Z | 33.05 | -116.222 | 6 | 3.54 | ci3331474 |
| 1963-01-13T21:09:19.120Z | 32.9538333 | -116.1343333 | 6 | 3.46 | ci3331473 |
| 1963-01-13T20:47:25.010Z | 33.0158333 | -116.2116667 | 6 | 3.02 | ci3331472 |
| 1963-01-13T20:45:19.220Z | 33.0585 | -116.2701667 | 6 | 3.86 | ci3331471 |
| 1963-01-13T02:39:39.090Z | 33.0028333 | -116.207 | 6 | 4.28 | ci3331469 |
| 1962-12-31T03:15:04.760Z | 33.2068333 | -116.1901667 | 6 | 3.08 | ci3331486 |
| 1962-12-18T23:06:27.120Z | 33.4791667 | -116.4615 | 6 | 3.47 | ci3331484 |
| 1962-12-16T12:14:14.810Z | 33.0471667 | -116.2305 | 6 | 3.35 | ci3331483 |

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|---|---|---|---|---|---|
| 1962-12-13T18:11:57.410Z | 33.3855 | -116.3073333 | 6 | 3.2 | ci3331479 |
| 1962-12-09T22:42:21.940Z | 34.2988333 | -116.9033333 | 6 | 3.38 | ci3331477 |
| 1962-12-02T10:36:52.260Z | 34.3103333 | -116.897 | 6 | 3.08 | ci3331513 |
| 1962-12-02T03:06:36.510Z | 34.34 | -116.8331667 | 6 | 3.56 | ci3331512 |
| 1962-12-02T01:58:27.130Z | 34.3048333 | -116.8955 | 6 | 3.1 | ci3331511 |
| 1962-12-02T00:41:39.020Z | 34.301 | -116.8858333 | 6 | 4.44 | ci3331510 |
| 1962-12-01T14:06:02.260Z | 34.3203333 | -116.891 | 6 | 3.5 | ci3331507 |
| 1962-12-01T10:36:12.660Z | 34.3483333 | -116.8845 | 6 | 3.65 | ci3331506 |
| 1962-12-01T08:39:44.730Z | 34.3618333 | -116.8986667 | 6 | 3.56 | ci3331505 |
| 1962-12-01T06:58:26.490Z | 34.3305 | -116.8451667 | 6 | 3.59 | ci3331504 |
| 1962-12-01T05:07:56.570Z | 34.3321667 | -116.8901667 | 6 | 3.19 | ci3331503 |
| 1962-12-01T03:51:46.380Z | 34.3396667 | -116.9348333 | 6 | 3.56 | ci3331502 |
| 1962-12-01T01:15:04.760Z | 34.336 | -116.887 | 6 | 3.47 | ci3331501 |
| 1962-12-01T00:44:47.230Z | 34.3128333 | -116.8801667 | 6 | 3.42 | ci3331499 |
| 1962-12-01T00:40:43.970Z | 34.3161667 | -116.8931667 | 6 | 3.21 | ci3331498 |
| 1962-12-01T00:37:01.000Z | 34.3166667 | -116.8833333 | 6 | 3.8 | ci10086710 |
| 1962-12-01T00:35:48.840Z | 34.3413333 | -116.8998333 | 6 | 4.4 | ci3331497 |
| 1962-11-30T23:51:05.810Z | 34.3288333 | -116.9375 | 6 | 4.33 | ci3331496 |
| 1962-11-11T01:51:57.350Z | 34.3685 | -116.8835 | 6 | 3.4 | ci3331555 |
| 1962-11-10T00:46:24.080Z | 34.3643333 | -116.892 | 6 | 3.09 | ci3331553 |
| 1962-11-09T06:05:14.230Z | 34.3298333 | -116.8691667 | 6 | 3.43 | ci3331549 |
| 1962-11-04T12:05:20.250Z | 33.048 | -116.2823333 | 6 | 3.49 | ci3331560 |
| 1962-11-04T12:04:21.760Z | 33.062 | -116.2773333 | 6 | 3.77 | ci3331546 |
| 1962-11-03T11:25:49.750Z | 33.037 | -116.1713333 | 6 | 3.54 | ci3331545 |
| 1962-11-02T04:30:56.610Z | 33.1935 | -116.2138333 | 6 | 3.41 | ci3331543 |
| 1962-11-02T02:48:50.100Z | 33.3175 | -116.2881667 | 6 | 3.5 | ci10086706 |
| 1962-11-02T02:48:08.480Z | 33.2201667 | -116.2441667 | 6 | 3.78 | ci3331539 |
| 1962-10-31T23:25:21.060Z | 34.3341667 | -116.9015 | 6 | 3.12 | ci3331538 |
| 1962-10-31T19:06:32.810Z | 33.133 | -116.3788333 | 6 | 3.24 | ci3331537 |
| 1962-10-31T15:27:20.550Z | 34.332 | -116.8538333 | 6 | 3.32 | ci3331536 |
| 1962-10-30T06:11:43.650Z | 34.3551667 | -116.8686667 | 6 | 3.04 | ci3331532 |
| 1962-10-30T05:45:59.060Z | 34.3178333 | -116.8806667 | 6 | 3.21 | ci3331531 |
| 1962-10-30T00:09:27.500Z | 34.3111667 | -116.9228333 | 6 | 3.12 | ci3331529 |
| 1962-10-29T14:41:40.950Z | 34.2991667 | -116.891 | 6 | 3.19 | ci3331528 |
| 1962-10-29T05:35:05.580Z | 34.3153333 | -116.8685 | 6 | 3.71 | ci3331525 |
| 1962-10-29T03:07:12.380Z | 34.3196667 | -116.8723333 | 6 | 3.3 | ci3331523 |
| 1962-10-29T03:01:40.870Z | 34.2658333 | -116.887 | 6 | 3.22 | ci3331522 |
| 1962-10-29T02:42:53.710Z | 34.349 | -116.8663333 | 6 | 4.97 | ci3331521 |
| 1962-10-27T20:59:30.090Z | 33.0415 | -116.24 | 6 | 3.24 | ci3331661 |
| 1962-10-27T12:49:53.030Z | 33.0535 | -116.2328333 | 6 | 3.29 | ci3331659 |
| 1962-10-22T11:10:58.980Z | 33.022 | -116.1983333 | 6 | 3.7 | ci3331655 |
| 1962-10-13T00:05:50.880Z | 33.3955 | -116.4548333 | 5 | 3.57 | ci3331649 |
| 1962-10-05T15:29:02.740Z | 33.3473333 | -116.2511667 | 6 | 4.17 | ci3331642 |

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|---|---|---|---|---|---|
| 1962-09-09T16:37:12.650Z | 33.7873333 | -116.6975 | 6 | 3.41 | ci3331676 |
| 1962-08-22T14:47:11.890Z | 33.8443333 | -115.724 | 0 | 3.61 | ci3331716 |
| 1962-08-18T07:57:09.130Z | 34.0486667 | -116.4056667 | 6 | 3.14 | ci3331714 |
| 1962-08-15T01:57:07.790Z | 33.1158333 | -116.2048333 | 6 | 3.28 | ci3331711 |
| 1962-08-15T01:55:34.950Z | 33.155 | -116.0533333 | 6 | 4.02 | ci3331710 |
| 1962-07-31T14:55:46.880Z | 33.0871667 | -115.7565 | 6 | 3.31 | ci3331692 |
| 1962-07-10T06:27:03.420Z | 33.518 | -116.9831667 | 14.78 | 3.1 | ci3344350 |
| 1962-07-02T07:44:23.960Z | 33.0585 | -115.827 | 6 | 3.36 | ci3344346 |
| 1962-06-28T18:58:24.430Z | 33.043 | -116.303 | 6 | 3.89 | ci3344339 |
| 1962-06-26T07:21:06.980Z | 32.962 | -116.1498333 | 6 | 3.19 | ci3344335 |
| 1962-06-05T07:04:16.300Z | 34.3115 | -116.7535 | 6 | 3.45 | ci3344396 |
| 1962-06-02T19:58:09.200Z | 33.5085 | -116.5015 | 6.11 | 3.08 | ci3344394 |
| 1962-05-31T02:31:35.930Z | 32.9468333 | -116.082 | 6 | 3.13 | ci3344392 |
| 1962-05-31T02:22:18.650Z | 32.9425 | -116.0465 | 6 | 3.81 | ci3344391 |
| 1962-05-31T02:19:59.510Z | 32.973 | -116.1481667 | 6 | 3.23 | ci3344390 |
| 1962-05-22T05:18:28.150Z | 33.9901667 | -116.4446667 | 6 | 3.01 | ci3344387 |
| 1962-05-21T12:54:10.930Z | 33.4588333 | -116.6955 | 6 | 3.07 | ci3344386 |
| 1962-05-16T08:40:34.190Z | 34.0485 | -116.3525 | 6 | 3.4 | ci3344383 |
| 1962-05-05T18:24:45.790Z | 33.855 | -116.442 | 6 | 3.04 | ci3344436 |
| 1962-05-05T14:17:24.110Z | 33.7843333 | -116.716 | 0.91 | 3.61 | ci3344435 |
| 1962-04-27T09:12:31.070Z | 33.8003333 | -117.0998333 | 1.18 | 4.19 | ci3344428 |
| 1962-04-24T15:24:44.590Z | 33.0626667 | -116.6741667 | 6 | 3.1 | ci3344424 |
| 1962-04-22T18:05:33.610Z | 33.1303333 | -116.5206667 | 6.63 | 3.32 | ci3344422 |
| 1962-03-05T08:51:59.950Z | 32.986 | -116.229 | 6 | 3.17 | ci3344437 |
| 1962-02-27T14:57:04.710Z | 32.9845 | -116.5226667 | 6 | 3.22 | ci3344496 |
| 1962-02-25T06:37:02.590Z | 33.4808333 | -116.4233333 | 6 | 3.28 | ci3344495 |
| 1962-02-16T22:39:34.570Z | 33.8885 | -116.4886667 | 6 | 3.17 | ci3344487 |
| 1962-02-02T22:41:05.060Z | 33.4913333 | -116.879 | 14.82 | 3.48 | ci3344472 |
| 1962-02-02T14:26:50.970Z | 33.932 | -116.604 | 6 | 3.06 | ci3344470 |
| 1962-01-15T04:32:00.300Z | 33.8533333 | -117.0726667 | 1.09 | 3.17 | ci3344507 |
| 1961-11-18T04:04:54.470Z | 34.0023333 | -116.2176667 | 6 | 3.54 | ci3344606 |
| 1961-10-18T11:11:54.710Z | 33.5243333 | -116.7875 | 6 | 3.11 | ci3344646 |
| 1961-10-11T17:49:58.090Z | 34.4315 | -116.8116667 | 6 | 3.3 | ci3344641 |
| 1961-09-30T17:46:40.700Z | 33.9921667 | -117.2813333 | 13.14 | 3.19 | ci3344725 |
| 1961-09-23T06:47:44.760Z | 33.2105 | -116.2201667 | 6 | 3.7 | ci3344716 |
| 1961-09-21T19:00:16.940Z | 32.9866667 | -116.2098333 | 6 | 3.28 | ci3344715 |
| 1961-09-21T18:07:54.000Z | 33.0185 | -116.2631667 | 6 | 3.21 | ci3344714 |
| 1961-09-20T05:04:11.170Z | 33.0748333 | -116.2195 | 6 | 4.28 | ci3344711 |
| 1961-09-19T20:54:35.590Z | 32.9873333 | -116.231 | 6 | 3.48 | ci3344708 |
| 1961-09-19T06:10:10.620Z | 33.051 | -116.2278333 | 6 | 3.55 | ci3344705 |
| 1961-09-18T19:15:13.570Z | 33.021 | -116.2353333 | 6 | 3.28 | ci3344703 |
| 1961-09-17T04:03:15.990Z | 33.0013333 | -116.2231667 | 6 | 3.09 | ci3344702 |
| 1961-09-17T02:13:23.890Z | 33.0335 | -116.2178333 | 6 | 3.3 | ci3344700 |

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|---|---|---|---|---|---|
| 1961-09-17T01:53:29.230Z | 33.0405 | -116.2573333 | 6 | 3.26 | ci3344699 |
| 1961-09-17T00:52:15.640Z | 32.9478333 | -116.1498333 | 6 | 3.16 | ci3344698 |
| 1961-09-16T20:09:10.710Z | 32.9516667 | -116.153 | 6 | 3.04 | ci3344697 |
| 1961-09-16T19:49:40.790Z | 33.0088333 | -116.2451667 | 6 | 4.39 | ci3344696 |
| 1961-09-16T05:50:47.160Z | 33.0011667 | -116.2648333 | 6 | 3.63 | ci3344808 |
| 1961-09-16T05:14:23.780Z | 33.0393333 | -116.2793333 | 6 | 3.08 | ci3344807 |
| 1961-09-03T14:21:02.970Z | 33.073 | -116.2606667 | 6 | 3.25 | ci3344792 |
| 1961-08-26T23:50:03.210Z | 33.0006667 | -116.1661667 | 6 | 3.15 | ci3344787 |
| 1961-08-26T21:47:45.530Z | 33.269 | -116.8246667 | 3.04 | 3.05 | ci3344786 |
| 1961-08-23T12:50:21.490Z | 33.0343333 | -116.1631667 | 6 | 3.05 | ci3344785 |
| 1961-08-23T01:00:47.580Z | 33.0531667 | -116.2263333 | 6 | 4.69 | ci3344781 |
| 1961-08-23T00:25:08.350Z | 33.0358333 | -116.225 | 6 | 3.53 | ci3344776 |
| 1961-08-23T00:22:10.190Z | 33.0565 | -116.255 | 6 | 3.87 | ci3344775 |
| 1961-08-22T23:31:48.250Z | 33.0268333 | -116.2288333 | 6 | 3.1 | ci3344774 |
| 1961-08-22T23:19:33.960Z | 33.068 | -116.3155 | 6 | 4.35 | ci3344772 |
| 1961-08-13T13:30:45.290Z | 33.1415 | -116.376 | 6 | 3.06 | ci3344766 |
| 1961-07-12T20:31:25.640Z | 33.0843333 | -116.6183333 | 4.57 | 3.46 | ci3344817 |
| 1961-07-05T23:46:09.950Z | 33.0106667 | -116.2413333 | 6 | 3.34 | ci3344814 |
| 1961-06-15T04:59:11.190Z | 34.0485 | -117.0246667 | 15.81 | 3.38 | ci3344869 |
| 1961-05-29T07:24:24.310Z | 33.9851667 | -117.0296667 | 20.42 | 3.01 | ci3344859 |
| 1961-05-28T12:59:47.930Z | 33.7361667 | -116.088 | 6 | 4.25 | ci3344855 |
| 1961-05-24T01:12:18.180Z | 34.4298333 | -116.5188333 | 6 | 3.59 | ci3344853 |
| 1961-05-11T11:01:41.200Z | 33.115 | -115.9493333 | 6 | 3.33 | ci3344847 |
| 1961-05-01T05:34:17.110Z | 33.2401667 | -115.9436667 | 6 | 3.35 | ci3345127 |
| 1961-04-28T06:30:19.170Z | 33.0948333 | -115.998 | 6 | 4.29 | ci3344897 |
| 1961-02-16T10:06:59.940Z | 33.1098333 | -116.4161667 | 6 | 3.11 | ci3345136 |
| 1961-01-30T01:28:35.500Z | 34.0716667 | -116.6 | 6 | 3.04 | ci3347767 |
| 1961-01-14T19:57:20.970Z | 34.429 | -117.0233333 | 6 | 3.02 | ci3347753 |
| 1961-01-10T18:55:01.490Z | 34.2428333 | -117.0933333 | 2.54 | 3.8 | ci3347750 |
| 1961-01-05T19:07:57.640Z | 33.1423333 | -116.3653333 | 6 | 3.3 | ci3347742 |
| 1960-12-31T06:18:34.850Z | 34.0481667 | -116.7936667 | 6 | 3.16 | ci3347796 |
| 1960-12-30T21:40:24.220Z | 33.1946667 | -115.879 | 6 | 4 | ci3347795 |
| 1960-12-30T21:33:45.490Z | 33.1575 | -116.0413333 | 6 | 3.72 | ci3347794 |
| 1960-12-22T04:11:19.370Z | 33.149 | -116.1326667 | 6 | 3.12 | ci3347788 |
| 1960-11-17T06:55:46.430Z | 33.3151667 | -116.4945 | 12.66 | 3.36 | ci3347770 |
| 1960-10-31T04:46:28.330Z | 34.1938333 | -116.3553333 | 6 | 3.24 | ci3349760 |
| 1960-10-29T05:33:57.990Z | 34.328 | -116.344 | 6 | 3.39 | ci3349323 |
| 1960-10-29T02:39:32.680Z | 34.3018333 | -116.345 | 6 | 3.06 | ci3349322 |
| 1960-09-28T10:09:09.480Z | 34.0268333 | -116.6945 | 6 | 3.04 | ci3350643 |
| 1960-09-05T03:28:22.260Z | 33.7603333 | -116.1201667 | 6 | 3.67 | ci3350639 |
| 1960-09-01T22:39:53.530Z | 33.7915 | -116.1196667 | 6 | 3.91 | ci3350637 |
| 1960-09-01T07:35:05.880Z | 34.0681667 | -117.3008333 | 15.43 | 3.54 | ci3350635 |
| 1960-08-12T04:11:58.300Z | 33.1158333 | -116.3926667 | 6 | 3.58 | ci3350182 |

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|---|---|---|---|---|---|
| 1960-08-06T14:36:40.170Z | 33.118 | -116.4035 | 6 | 3.24 | ci3350677 |
| 1960-08-03T19:43:25.770Z | 33.1126667 | -116.3946667 | 6 | 3.46 | ci3350676 |
| 1960-08-01T19:39:29.670Z | 33.1326667 | -116.4793333 | 6 | 4.31 | ci3350674 |
| 1960-05-23T12:25:17.820Z | 33.1061667 | -116.4466667 | 6 | 3.26 | ci3350689 |
| 1960-05-18T07:08:58.400Z | 33.1236667 | -116.0003333 | 6 | 3.57 | ci3350684 |
| 1960-05-11T07:02:56.890Z | 33.1235 | -116.4111667 | 6 | 3.36 | ci3350680 |
| 1960-05-08T02:26:58.930Z | 33.0698333 | -116.5851667 | 15.89 | 3.24 | ci3351183 |
| 1960-04-24T23:46:26.350Z | 33.0315 | -115.8791667 | 6 | 3.68 | ci3351180 |
| 1960-02-09T14:01:48.600Z | 33.1588333 | -116.4613333 | 6 | 3.7 | ci3351653 |
| 1960-01-31T05:54:47.990Z | 34.1251667 | -116.6343333 | 6 | 3.37 | ci3351651 |
| 1960-01-24T16:08:31.440Z | 33.111 | -116.0438333 | 6 | 3.35 | ci3351646 |
| 1960-01-08T06:51:21.390Z | 33.4153333 | -116.4301667 | 6 | 3.1 | ci3351628 |
| 1959-12-15T21:23:16.210Z | 34.0531667 | -116.9608333 | 7.49 | 3.26 | ci3297275 |
| 1959-11-29T23:50:43.980Z | 34.0466667 | -116.8983333 | 6 | 3.1 | ci3297261 |
| 1959-10-11T09:42:28.270Z | 33.9843333 | -116.4378333 | 6 | 3.18 | ci3297227 |
| 1959-10-06T18:59:01.580Z | 34.1961667 | -116.956 | 6 | 3.03 | ci3297225 |
| 1959-10-04T05:06:14.870Z | 34.1045 | -116.1363333 | 6 | 3.02 | ci3297223 |
| 1959-09-20T02:31:06.590Z | 33.6161667 | -115.9626667 | 6 | 3.55 | ci3297203 |
| 1959-08-27T00:23:57.720Z | 34.0666667 | -116.534 | 6 | 3.2 | ci3297187 |
| 1959-08-26T05:32:50.950Z | 34.0166667 | -116.565 | 6 | 4.33 | ci3297186 |
| 1959-08-18T21:52:21.300Z | 33.1255 | -116.4576667 | 6 | 4.35 | ci3297179 |
| 1959-08-14T18:25:04.220Z | 33.902 | -115.8526667 | 0.19 | 3 | ci3297176 |
| 1959-08-14T08:02:43.970Z | 33.9731667 | -115.836 | 4.28 | 3.1 | ci3297175 |
| 1959-08-08T07:18:09.830Z | 34.2091667 | -116.1328333 | 6 | 3.04 | ci3297165 |
| 1959-08-04T18:25:26.380Z | 33.7401667 | -115.9743333 | 7.17 | 4.18 | ci3297158 |
| 1959-07-29T17:39:13.770Z | 34.0998333 | -116.5233333 | 6 | 3.22 | ci3297130 |
| 1959-07-23T03:21:03.300Z | 33.9881667 | -117.2275 | 14.19 | 3.7 | ci3297123 |
| 1959-07-20T11:41:50.650Z | 33.2341667 | -116.7631667 | 7.42 | 3.96 | ci3297118 |
| 1959-06-27T16:22:10.800Z | 33.9848333 | -116.8441667 | 6 | 3.8 | ci3297100 |
| 1959-06-16T08:49:34.760Z | 34.4755 | -116.6561667 | 6 | 3.13 | ci3297086 |
| 1959-06-12T11:03:13.250Z | 33.495 | -116.762 | 7.66 | 4.02 | ci3297082 |
| 1959-06-06T19:29:52.630Z | 33.1098333 | -116.4463333 | 6 | 3.1 | ci3297077 |
| 1959-05-27T18:06:49.130Z | 34.0138333 | -116.7145 | 6 | 3.14 | ci3297070 |
| 1959-05-21T15:50:42.670Z | 33.4335 | -116.6023333 | 15.11 | 3.77 | ci3297063 |
| 1959-05-06T23:23:28.210Z | 34.115 | -117.318 | 14.35 | 3.27 | ci3297052 |
| 1959-04-17T16:18:59.330Z | 33.9658333 | -116.4876667 | 6 | 3.9 | ci3297037 |
| 1959-04-17T14:27:46.570Z | 33.925 | -116.301 | 6 | 3.36 | ci3297036 |
| 1959-04-08T14:09:21.350Z | 34.0918333 | -116.437 | 6 | 3.07 | ci3297028 |
| 1959-04-01T11:55:23.780Z | 34.006 | -116.6408333 | 6 | 3.13 | ci3297026 |
| 1959-03-30T14:17:32.110Z | 33.3388333 | -116.968 | 8.96 | 3.25 | ci3297024 |
| 1959-03-15T04:24:07.570Z | 33.386 | -116.7641667 | 6 | 3.04 | ci3297018 |
| 1959-03-10T06:57:55.860Z | 33.1 | -116.4315 | 6 | 3.2 | ci3297014 |
| 1959-02-28T18:01:03.870Z | 33.4065 | -116.4748333 | 2.3 | 3.24 | ci3297004 |

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|---|---|---|---|---|---|
| 1959-02-05T02:43:29.970Z | 34.139 | -117.0083333 | 8.45 | 3.29 | ci3296984 |
| 1959-01-29T14:47:05.630Z | 33.461 | -116.5125 | 6.25 | 3.29 | ci3296961 |
| 1958-12-28T02:24:12.420Z | 33.0201667 | -115.8501667 | 6 | 3.45 | ci3296891 |
| 1958-12-16T07:39:49.800Z | 33.3625 | -116.3635 | 6 | 3.12 | ci3296865 |
| 1958-12-10T13:37:44.330Z | 34.2683333 | -117.1478333 | 6 | 3.48 | ci3296850 |
| 1958-11-08T13:20:43.460Z | 32.935 | -116.2235 | 6 | 3.95 | ci3296810 |
| 1958-11-06T03:07:49.320Z | 34.232 | -116.5916667 | 6 | 3.44 | ci3296803 |
| 1958-11-02T16:08:25.760Z | 33.7065 | -116.7851667 | 6 | 3.37 | ci3296800 |
| 1958-10-14T16:42:39.240Z | 33.6573333 | -116.7575 | 11.94 | 3.13 | ci3296781 |
| 1958-10-14T03:41:06.510Z | 33.4355 | -116.4033333 | 6 | 3.49 | ci3296780 |
| 1958-08-19T12:28:30.510Z | 33.1133333 | -116.0113333 | 6 | 3.76 | ci3296752 |
| 1958-08-16T04:27:57.690Z | 33.2355 | -116.116 | 6 | 3.1 | ci3296739 |
| 1958-07-25T22:59:25.440Z | 33.4836667 | -116.4985 | 6 | 3.75 | ci3296717 |
| 1958-07-04T08:02:00.090Z | 34.2485 | -117.1503333 | 1 | 3.27 | ci3296685 |
| 1958-06-27T15:07:30.130Z | 33.0988333 | -116.2868333 | 6 | 3.55 | ci3296675 |
| 1958-06-02T03:02:32.350Z | 33.1546667 | -116.506 | 6 | 3.95 | ci3296646 |
| 1958-06-01T15:16:22.920Z | 33.0933333 | -116.4823333 | 6 | 3.25 | ci3296643 |
| 1958-04-23T02:34:13.220Z | 34.534 | -116.0435 | 6 | 3.43 | ci3296591 |
| 1958-04-15T21:51:42.200Z | 34.0895 | -117.1991667 | 4.07 | 3.19 | ci3296581 |
| 1958-04-04T14:28:42.900Z | 34.4305 | -116.9181667 | 6 | 3.14 | ci3296571 |
| 1958-03-31T14:33:43.960Z | 34.045 | -117.2396667 | 18.64 | 3.37 | ci3296565 |
| 1958-03-30T06:53:17.260Z | 33.978 | -116.7521667 | 6 | 3.12 | ci3296562 |
| 1958-03-10T13:39:38.560Z | 33.231 | -115.9665 | 6 | 3.79 | ci3296535 |
| 1958-03-09T19:14:14.220Z | 33.353 | -116.2991667 | 6 | 3.49 | ci3296529 |
| 1958-03-05T22:07:16.760Z | 34.3428333 | -116.8616667 | 6 | 3.34 | ci3296525 |
| 1958-03-01T09:07:31.470Z | 34.3013333 | -116.1868333 | 6 | 3.19 | ci3296518 |
| 1958-02-21T16:34:17.840Z | 33.6796667 | -115.6173333 | 6 | 3.22 | ci3296506 |
| 1958-01-01T19:38:20.570Z | 33.1476667 | -115.8476667 | 6 | 3.54 | ci3296462 |
| 1957-12-17T14:22:16.100Z | 34.0286667 | -117.2873333 | 16.76 | 3.1 | ci3296347 |
| 1957-12-12T08:00:05.980Z | 34.2438333 | -116.1935 | 6 | 4.34 | ci3296325 |
| 1957-12-04T03:36:07.390Z | 34.009 | -116.4983333 | 6 | 3.41 | ci3296305 |
| 1957-12-04T03:07:46.960Z | 34.0773333 | -116.4216667 | 6 | 3.73 | ci3296304 |
| 1957-12-04T03:00:27.890Z | 34.0243333 | -116.495 | 6 | 3.22 | ci3296303 |
| 1957-12-04T02:58:40.720Z | 34.1013333 | -116.413 | 6 | 3.33 | ci3296302 |
| 1957-12-04T02:51:43.890Z | 34.0898333 | -116.4123333 | 6 | 4.26 | ci3296301 |
| 1957-12-01T03:15:26.070Z | 34.0068333 | -116.643 | 6 | 3.03 | ci3296298 |
| 1957-11-17T18:29:11.450Z | 34.1636667 | -116.9953333 | 6 | 3.35 | ci3296272 |
| 1957-11-17T18:14:44.440Z | 34.187 | -116.9738333 | 6 | 3.55 | ci3296255 |
| 1957-11-07T04:34:35.130Z | 34.003 | -117.037 | 19.26 | 3.43 | ci3296248 |
| 1957-10-28T13:04:36.090Z | 33.81 | -115.578 | 10.84 | 3.23 | ci3296238 |
| 1957-10-27T15:25:21.050Z | 34.1086667 | -117.311 | 15.15 | 3.18 | ci3296233 |
| 1957-10-16T02:55:43.190Z | 33.837 | -115.6706667 | 6 | 3.52 | ci3296226 |
| 1957-09-01T13:02:12.560Z | 34.027 | -117.2546667 | 16.18 | 3.38 | ci3296191 |

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|---|---|---|---|---|---|
| 1957-08-14T20:14:00.630Z | 33.0948333 | -116.0536667 | 6 | 3.35 | ci3296140 |
| 1957-08-10T15:22:48.120Z | 33.7088333 | -115.5533333 | 8.26 | 3.83 | ci3296132 |
| 1957-08-06T07:21:12.380Z | 33.7343333 | -115.7716667 | 0 | 3.65 | ci3296127 |
| 1957-07-29T21:40:51.850Z | 34.2365 | -116.9505 | 7.96 | 3.31 | ci3296112 |
| 1957-07-02T06:56:37.110Z | 32.9775 | -116.2876667 | 6 | 4.16 | ci3296072 |
| 1957-07-02T01:40:00.260Z | 33.0691667 | -116.5606667 | 6 | 3.18 | ci3296070 |
| 1957-07-01T23:36:13.450Z | 33.0551667 | -116.6106667 | 6 | 3.19 | ci3296069 |
| 1957-06-18T09:36:29.850Z | 33.5113333 | -116.5043333 | 4.22 | 3.09 | ci3296051 |
| 1957-05-31T01:50:04.080Z | 33.24 | -115.9896667 | 6 | 3.81 | ci3296042 |
| 1957-05-29T02:04:30.070Z | 33.0668333 | -116.3966667 | 6 | 3.67 | ci3296040 |
| 1957-05-27T17:04:41.610Z | 33.8148333 | -117.014 | 6 | 3.34 | ci3296038 |
| 1957-05-26T23:44:06.040Z | 33.202 | -116.0385 | 6 | 3.26 | ci3296032 |
| 1957-05-26T21:14:16.330Z | 33.1743333 | -116.0496667 | 6 | 3.76 | ci3296031 |
| 1957-05-26T16:05:59.250Z | 33.2833333 | -116.0253333 | 6 | 3.3 | ci3296030 |
| 1957-05-26T15:59:33.570Z | 33.2736667 | -116.0103333 | 6 | 4.97 | ci3296029 |
| 1957-04-26T00:01:24.960Z | 33.1633333 | -115.7333333 | 6 | 4.29 | ci3295981 |
| 1957-04-25T22:24:13.250Z | 33.2226667 | -116.0285 | 6 | 5.05 | ci3295973 |
| 1957-04-25T22:21:46.450Z | 33.0603333 | -115.7715 | 6 | 4.26 | ci3295972 |
| 1957-04-22T01:26:44.570Z | 34.3845 | -117.0408333 | 1.49 | 3.37 | ci3295954 |
| 1957-04-16T21:44:57.150Z | 33.0658333 | -116.428 | 6 | 4.08 | ci3295950 |
| 1957-04-03T19:53:14.830Z | 33.732 | -115.9558333 | 6 | 3.22 | ci3295938 |
| 1957-04-03T03:53:37.800Z | 33.6605 | -115.8803333 | 19.65 | 3.25 | ci3295937 |
| 1957-04-02T04:25:26.640Z | 33.7156667 | -115.9495 | 7.05 | 3.41 | ci3295932 |
| 1957-04-02T04:22:46.480Z | 33.7213333 | -115.9653333 | 2.95 | 4.13 | ci3295931 |
| 1957-03-30T21:34:47.980Z | 33.1251667 | -116.4218333 | 6 | 3.8 | ci3295929 |
| 1957-03-30T09:20:52.790Z | 34.0433333 | -116.9366667 | 14.91 | 3.04 | ci3295926 |
| 1957-03-24T00:46:47.640Z | 33.1298333 | -116.4363333 | 6 | 3.74 | ci3295920 |
| 1957-03-14T00:28:02.440Z | 33.335 | -116.2166667 | 6 | 3.22 | ci3295892 |
| 1957-03-07T17:13:09.410Z | 33.4498333 | -116.5663333 | 5.12 | 3.65 | ci3295884 |
| 1957-02-26T21:16:52.430Z | 32.9776667 | -116.2881667 | 6 | 4.07 | ci3295873 |
| 1957-02-12T20:51:47.900Z | 33.1076667 | -116.3835 | 6 | 3.62 | ci3295823 |
| 1957-02-11T06:28:21.220Z | 33.3395 | -116.3575 | 6 | 3.48 | ci3295820 |
| 1957-02-06T09:04:32.710Z | 34.099 | -117.3001667 | 17.66 | 3.46 | ci3295812 |
| 1957-02-01T07:52:14.560Z | 33.9823333 | -116.3263333 | 6 | 4.51 | ci3295808 |
| 1957-01-24T22:30:05.570Z | 33.1345 | -116.4171667 | 6 | 3.05 | ci3295801 |
| 1957-01-24T20:54:47.840Z | 33.0621667 | -116.3735 | 6 | 4.65 | ci3295792 |
| 1957-01-17T16:53:17.480Z | 34.1861667 | -116.747 | 9.67 | 3.8 | ci3295788 |
| 1956-12-28T09:54:40.120Z | 33.8246667 | -115.7931667 | 6 | 3.49 | ci3295781 |
| 1956-12-23T23:25:20.200Z | 34.0061667 | -117.1058333 | 8.1 | 3.09 | ci3295777 |
| 1956-12-20T18:36:59.210Z | 33.0208333 | -116.0981667 | 6 | 3.64 | ci3295774 |
| 1956-11-25T19:10:51.060Z | 33.9853333 | -116.7298333 | 18.7 | 3.14 | ci3295754 |
| 1956-10-20T02:38:55.480Z | 34.0138333 | -116.7343333 | 13.02 | 3.09 | ci3295709 |
| 1956-10-17T12:59:18.550Z | 33.1193333 | -116.4165 | 6 | 3.04 | ci3295647 |

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|---|---|---|---|---|---|
| 1956-10-07T13:32:02.350Z | 33.987 | -116.6946667 | 15.17 | 3.01 | ci3295506 |
| 1956-10-03T01:34:35.380Z | 33.8021667 | -117.0208333 | 6 | 3.19 | ci3295502 |
| 1956-10-02T20:44:34.490Z | 33.8296667 | -117.0001667 | 6 | 3.73 | ci3295501 |
| 1956-09-26T11:36:26.560Z | 33.9871667 | -116.0793333 | 6 | 3.03 | ci3295491 |
| 1956-09-23T11:24:41.530Z | 33.5328333 | -116.5525 | 15.27 | 4.15 | ci3295485 |
| 1956-09-20T06:23:51.180Z | 33.964 | -116.1776667 | 6 | 3.17 | ci3295470 |
| 1956-09-17T00:58:00.430Z | 33.9788333 | -116.209 | 6 | 3.58 | ci3295465 |
| 1956-09-17T00:03:36.310Z | 33.9658333 | -116.2106667 | 6 | 3.6 | ci3295464 |
| 1956-09-02T05:26:18.900Z | 33.7593333 | -116.0533333 | 6 | 3.66 | ci3295439 |
| 1956-09-02T02:46:36.830Z | 33.7678333 | -116.0705 | 6 | 4.1 | ci3295412 |
| 1956-09-01T05:57:52.980Z | 33.7471667 | -116.0253333 | 6 | 3.84 | ci3295408 |
| 1956-09-01T03:30:07.350Z | 33.7416667 | -116.0026667 | 6 | 3.09 | ci3295407 |
| 1956-09-01T01:45:20.750Z | 33.749 | -116.0623333 | 6 | 3.46 | ci3295406 |
| 1956-08-25T23:37:34.340Z | 34.3086667 | -116.7321667 | 6 | 3.1 | ci3295397 |
| 1956-08-06T05:31:07.730Z | 33.5448333 | -116.6746667 | 8.21 | 3.09 | ci3295363 |
| 1956-07-18T18:43:42.580Z | 34.1476667 | -116.9716667 | 0.01 | 3.52 | ci3295340 |
| 1956-07-08T11:22:18.530Z | 34.2506667 | -117.1548333 | 0.02 | 3.45 | ci3295319 |
| 1956-07-04T05:52:56.730Z | 34.2141667 | -117.134 | 0 | 3.07 | ci3295313 |
| 1956-05-23T08:47:08.380Z | 33.4238333 | -116.416 | 6 | 3.15 | ci3295280 |
| 1956-05-17T04:07:07.090Z | 34.2663333 | -117.1826667 | 6 | 3.01 | ci3295153 |
| 1956-05-11T16:30:50.440Z | 34.2288333 | -116.7776667 | 11.68 | 4.68 | ci3295148 |
| 1956-04-22T14:58:39.330Z | 34.2891667 | -116.4631667 | 6 | 3.26 | ci3295125 |
| 1956-04-22T14:52:25.730Z | 34.3195 | -116.435 | 6 | 3.01 | ci3295123 |
| 1956-04-01T10:39:23.260Z | 33.7706667 | -116.0773333 | 6 | 3.62 | ci3295062 |
| 1956-03-20T11:01:10.210Z | 34.2848333 | -116.7525 | 6.36 | 3.03 | ci3295045 |
| 1956-03-18T02:42:16.920Z | 34.3126667 | -116.767 | 4.12 | 3.87 | ci3295041 |
| 1956-03-17T00:44:03.920Z | 34.2058333 | -116.8265 | 0.01 | 3.42 | ci3295038 |
| 1956-03-17T00:40:13.480Z | 34.2341667 | -116.8015 | 0 | 3.48 | ci3295457 |
| 1956-03-17T00:00:17.010Z | 34.217 | -116.8046667 | 0 | 3.37 | ci3295034 |
| 1956-03-16T23:48:09.090Z | 34.1893333 | -116.823 | 0 | 3.28 | ci3295033 |
| 1956-03-16T23:40:41.110Z | 34.1823333 | -116.824 | 0 | 3.86 | ci3295032 |
| 1956-03-16T23:36:04.400Z | 34.259 | -116.7966667 | 0 | 3.76 | ci3295031 |
| 1956-03-16T23:34:56.790Z | 34.2925 | -116.768 | 1.88 | 4.37 | ci3295030 |
| 1956-03-16T20:39:35.790Z | 34.22 | -116.7916667 | 0 | 3.32 | ci3295029 |
| 1956-03-16T20:38:12.200Z | 34.1935 | -116.8076667 | 0 | 3.41 | ci3295028 |
| 1956-03-16T20:36:14.310Z | 34.2125 | -116.8125 | 0.38 | 4 | ci3295027 |
| 1956-03-16T20:33:45.050Z | 34.1936667 | -116.8266667 | 0 | 3.96 | ci3295026 |
| 1956-03-16T20:29:33.730Z | 34.289 | -116.775 | 2.71 | 4.7 | ci3295013 |
| 1956-03-16T19:43:53.670Z | 34.2195 | -116.8343333 | 0.15 | 3.34 | ci3295012 |
| 1956-03-16T14:35:04.660Z | 34.2398333 | -116.822 | 1.84 | 3.57 | ci3295010 |
| 1956-03-05T02:15:26.560Z | 33.2683333 | -115.5651667 | 6 | 3.47 | ci3297700 |
| 1956-02-21T21:20:42.960Z | 34.5226667 | -116.549 | 6 | 3.17 | ci3297593 |
| 1956-02-21T18:40:20.290Z | 33.154 | -116.4461667 | 6 | 3.62 | ci3297592 |

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|---|---|---|---|---|---|
| 1956-01-21T06:22:00.820Z | 33.4686667 | -116.4695 | 6 | 3.44 | ci3297492 |
| 1955-12-25T09:30:04.140Z | 34.0133333 | -116.5523333 | 6 | 3.54 | ci3297469 |
| 1955-12-01T08:50:14.770Z | 33.0196667 | -116.38 | 6 | 3.25 | ci3297374 |
| 1955-11-17T04:41:37.570Z | 33.689 | -116.8531667 | 6 | 3.39 | ci3297353 |
| 1955-11-13T18:34:42.020Z | 32.9525 | -116.3166667 | 6 | 3.17 | ci3297351 |
| 1955-11-10T09:08:48.900Z | 33.2233333 | -116.0978333 | 6 | 3.26 | ci3297344 |
| 1955-11-09T22:41:35.140Z | 34.0295 | -116.8401667 | 6.17 | 3.47 | ci3297342 |
| 1955-10-23T20:05:40.610Z | 34.2736667 | -117.089 | 12.96 | 3.08 | ci3297321 |
| 1955-10-13T05:25:30.280Z | 34.0375 | -117.1856667 | 14.08 | 3.49 | ci3297305 |
| 1955-10-05T09:05:05.280Z | 33.4598333 | -116.6128333 | 8.81 | 3.06 | ci3297300 |
| 1955-08-26T05:41:04.250Z | 33.1598333 | -116.1656667 | 6 | 3.4 | ci3297972 |
| 1955-08-26T05:30:23.640Z | 33.1845 | -115.8773333 | 6 | 3.26 | ci3297997 |
| 1955-08-26T05:23:24.260Z | 33.3355 | -115.7618333 | 6 | 4.13 | ci3297996 |
| 1955-08-15T03:31:38.970Z | 33.4736667 | -116.5903333 | 7.67 | 3.24 | ci3297954 |
| 1955-08-05T18:34:29.660Z | 33.5263333 | -116.5545 | 6 | 3.26 | ci3297939 |
| 1955-08-03T16:49:06.000Z | 34.0728333 | -117.0106667 | 6 | 3.58 | ci3297936 |
| 1955-07-27T01:35:03.090Z | 33.9528333 | -117.1996667 | 5.92 | 3.15 | ci3297934 |
| 1955-07-23T00:26:29.450Z | 34.4846667 | -116.8968333 | 6 | 3.03 | ci3297930 |
| 1955-07-16T11:39:47.290Z | 34.0531667 | -116.7235 | 13.15 | 3.36 | ci3297894 |
| 1955-07-16T02:32:15.430Z | 33.4455 | -116.5605 | 6 | 3.08 | ci3297891 |
| 1955-07-07T03:08:16.380Z | 33.0888333 | -116.2856667 | 6 | 3.11 | ci3297859 |
| 1955-07-02T16:29:39.740Z | 34.2946667 | -116.7031667 | 0.46 | 4.1 | ci3297855 |
| 1955-06-29T22:21:51.070Z | 33.2318333 | -116.0286667 | 6 | 3.51 | ci3297852 |
| 1955-06-21T12:42:06.990Z | 34.184 | -116.9346667 | 0 | 3.13 | ci3297846 |
| 1955-05-30T19:15:32.780Z | 34.2181667 | -116.2063333 | 6 | 3.56 | ci3297820 |
| 1955-05-27T09:48:39.030Z | 34.2858333 | -116.7466667 | 6.04 | 3.08 | ci3297816 |
| 1955-05-15T04:53:39.610Z | 34.1251667 | -117.0516667 | 0.01 | 3.09 | ci3297807 |
| 1955-05-10T04:38:40.210Z | 33.109 | -115.8563333 | 6 | 4.06 | ci3297802 |
| 1955-04-25T02:55:14.110Z | 33.454 | -116.6525 | 7.42 | 3.93 | ci3297792 |
| 1955-04-03T15:01:38.060Z | 34.0588333 | -117.2498333 | 17.13 | 3.07 | ci3297775 |
| 1955-03-26T14:16:05.400Z | 32.9993333 | -116.3646667 | 6 | 3.24 | ci3297767 |
| 1955-03-16T14:51:45.920Z | 34.001 | -116.3883333 | 6 | 3.36 | ci3297761 |
| 1955-01-28T12:10:18.080Z | 33.7475 | -115.3266667 | 6 | 4.31 | ci3298032 |
| 1955-01-23T11:17:08.490Z | 33.6473333 | -116.7661667 | 11.62 | 3.19 | ci3298028 |
| 1955-01-22T18:57:24.360Z | 33.1476667 | -116.2335 | 6 | 3.29 | ci3298025 |
| 1955-01-13T23:35:47.900Z | 32.9866667 | -116.3491667 | 6 | 3.27 | ci3298014 |
| 1954-12-21T02:34:43.160Z | 34.3666667 | -116.3755 | 6 | 3.3 | ci3298657 |
| 1954-12-07T05:42:57.640Z | 33.7653333 | -116.9351667 | 6 | 3.03 | ci3298641 |
| 1954-10-30T02:02:44.780Z | 33.9995 | -115.6406667 | 6 | 4.49 | ci3298553 |
| 1954-10-26T08:28:28.270Z | 33.725 | -117.4823333 | 9.31 | 3.32 | ci3298547 |
| 1954-10-21T02:45:51.820Z | 34.0045 | -117.167 | 14.69 | 3.46 | ci3298515 |
| 1954-10-13T02:20:25.740Z | 34.3211667 | -116.152 | 6 | 3.05 | ci3298481 |
| 1954-08-29T22:50:05.680Z | 34.1315 | -116.1015 | 6 | 3.16 | ci3298431 |

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|---|---|---|---|---|---|
| 1954-07-28T18:52:36.010Z | 33.1808333 | -116.0771667 | 6 | 3.15 | ci3300040 |
| 1954-07-26T15:05:36.710Z | 34.274 | -116.4291667 | 6 | 3 | ci3300039 |
| 1954-07-22T14:54:54.940Z | 34.403 | -116.4926667 | 6 | 3.01 | ci3300029 |
| 1954-07-09T17:22:31.290Z | 33.946 | -116.4326667 | 6 | 3.11 | ci3300008 |
| 1954-07-04T05:27:21.230Z | 33.0598333 | -116.1566667 | 6 | 3.63 | ci3300002 |
| 1954-06-29T12:18:50.020Z | 33.1195 | -116.0163333 | 6 | 3.33 | ci3300001 |
| 1954-06-29T07:26:39.540Z | 33.93 | -117.1311667 | 0 | 3.06 | ci3300000 |
| 1954-06-22T11:53:57.500Z | 33.2158333 | -116.0981667 | 6 | 3.16 | ci3299992 |
| 1954-06-05T20:41:40.260Z | 34.0603333 | -116.8248333 | 6 | 3.44 | ci3299950 |
| 1954-05-31T06:34:58.040Z | 33.242 | -116.059 | 6 | 3.19 | ci3299945 |
| 1954-05-30T04:58:07.390Z | 33.2273333 | -116.1268333 | 6 | 3.41 | ci3299944 |
| 1954-05-28T01:45:06.190Z | 33.2206667 | -115.9848333 | 6 | 3.3 | ci3299939 |
| 1954-05-23T06:20:51.130Z | 33.2171667 | -116.059 | 6 | 3.25 | ci3299928 |
| 1954-05-20T17:48:59.720Z | 33.222 | -116.1053333 | 6 | 3.35 | ci3299923 |
| 1954-05-19T21:47:03.650Z | 33.2165 | -115.5903333 | 6 | 3.55 | ci3299920 |
| 1954-05-18T19:54:32.810Z | 33.253 | -116.0853333 | 6 | 3.11 | ci3299918 |
| 1954-05-06T00:23:35.540Z | 33.2066667 | -116.1208333 | 6 | 3.28 | ci3299871 |
| 1954-04-30T00:36:23.010Z | 34.0403333 | -116.741 | 2.4 | 4.06 | ci3299854 |
| 1954-04-17T06:37:16.600Z | 33.2068333 | -115.934 | 6 | 3.12 | ci3299819 |
| 1954-04-16T20:24:42.460Z | 33.217 | -116.036 | 6 | 3.31 | ci3299815 |
| 1954-04-15T08:28:06.430Z | 33.2656667 | -116.1628333 | 6 | 3.08 | ci3299814 |
| 1954-04-10T08:06:56.470Z | 33.054 | -116.2598333 | 6 | 3.29 | ci3299805 |
| 1954-04-09T06:19:16.520Z | 33.1643333 | -116.0655 | 6 | 3.23 | ci3299801 |
| 1954-04-06T15:09:34.570Z | 33.249 | -116.0816667 | 6 | 3.28 | ci3299793 |
| 1954-04-04T04:29:20.390Z | 33.1963333 | -116.1248333 | 6 | 3.12 | ci3299790 |
| 1954-03-31T13:44:19.530Z | 33.2355 | -116.1078333 | 6 | 3.12 | ci3299784 |
| 1954-03-30T21:26:07.330Z | 33.1725 | -116.1743333 | 6 | 3.3 | ci3299783 |
| 1954-03-30T17:18:08.440Z | 33.2023333 | -116.1416667 | 6 | 3.29 | ci3299782 |
| 1954-03-30T15:30:47.440Z | 33.218 | -115.9865 | 6 | 3.33 | ci3299781 |
| 1954-03-28T21:40:18.720Z | 33.235 | -116.0908333 | 6 | 3.3 | ci3299778 |
| 1954-03-28T18:44:00.790Z | 33.2596667 | -116.097 | 6 | 3.41 | ci3299776 |
| 1954-03-28T07:15:22.340Z | 33.2598333 | -116.1661667 | 6 | 3.56 | ci3299775 |
| 1954-03-27T22:52:08.050Z | 33.2393333 | -116.0086667 | 6 | 3.14 | ci3299774 |
| 1954-03-26T23:07:21.500Z | 33.2483333 | -115.979 | 6 | 3.51 | ci3299771 |
| 1954-03-26T16:55:36.060Z | 33.1936667 | -116.0251667 | 6 | 3.35 | ci3299770 |
| 1954-03-26T10:53:06.350Z | 33.2356667 | -116.0966667 | 6 | 3.58 | ci3299767 |
| 1954-03-26T06:01:21.520Z | 33.1998333 | -116.0936667 | 6 | 3.13 | ci3299766 |
| 1954-03-25T02:17:09.510Z | 33.2206667 | -116.1086667 | 6 | 3.21 | ci3299763 |
| 1954-03-24T19:32:58.470Z | 33.1946667 | -115.999 | 6 | 3.66 | ci3299761 |
| 1954-03-24T11:56:32.350Z | 33.121 | -115.924 | 6 | 3.45 | ci3299760 |
| 1954-03-24T05:17:31.960Z | 33.2198333 | -116.1021667 | 6 | 3.59 | ci3299758 |
| 1954-03-23T18:57:18.700Z | 33.2261667 | -116.2201667 | 6 | 3.17 | ci3299756 |
| 1954-03-23T04:23:31.830Z | 33.2393333 | -116.2051667 | 6 | 3.67 | ci3299753 |

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|---|---|---|---|---|---|
| 1954-03-23T04:18:04.010Z | 33.2475 | -116.1501667 | 6 | 3.29 | ci3299751 |
| 1954-03-23T04:14:48.330Z | 33.2623333 | -116.0353333 | 6 | 4.93 | ci3299750 |
| 1954-03-22T07:43:44.040Z | 33.2085 | -116.1386667 | 6 | 3.31 | ci3299748 |
| 1954-03-21T22:29:21.790Z | 33.2598333 | -116.1343333 | 6 | 3.02 | ci3299744 |
| 1954-03-20T13:57:14.530Z | 33.2353333 | -116.0033333 | 6 | 3.35 | ci3299740 |
| 1954-03-20T13:47:58.100Z | 33.2498333 | -115.9971667 | 6 | 3.56 | ci3299739 |
| 1954-03-20T13:35:34.260Z | 33.296 | -116.0598333 | 6 | 3.64 | ci3299738 |
| 1954-03-20T12:00:47.800Z | 33.2573333 | -116.1246667 | 6 | 3.39 | ci3299737 |
| 1954-03-20T11:59:18.530Z | 33.2455 | -116.0521667 | 6 | 3.33 | ci3299736 |
| 1954-03-20T09:42:40.020Z | 33.274 | -116.1541667 | 6 | 3.21 | ci3299735 |
| 1954-03-20T06:03:53.810Z | 33.2681667 | -116.1988333 | 6 | 4.23 | ci3299734 |
| 1954-03-20T04:49:04.100Z | 33.2038333 | -116.0603333 | 6 | 3.58 | ci3299733 |
| 1954-03-20T04:19:18.170Z | 33.2463333 | -116.0788333 | 6 | 4.74 | ci3299731 |
| 1954-03-20T04:12:55.980Z | 33.2416667 | -116.092 | 6 | 3.14 | ci3299732 |
| 1954-03-20T03:12:52.580Z | 33.1673333 | -115.9686667 | 6 | 3.62 | ci3299729 |
| 1954-03-19T22:44:53.650Z | 33.2641667 | -116.1265 | 6 | 3.5 | ci3299728 |
| 1954-03-19T20:37:38.420Z | 33.2736667 | -116.1835 | 6 | 3.4 | ci3299726 |
| 1954-03-19T19:39:41.840Z | 33.2908333 | -116.1533333 | 6 | 3.1 | ci3299725 |
| 1954-03-19T19:21:10.590Z | 33.2318333 | -116.1006667 | 6 | 3.23 | ci3299724 |
| 1954-03-19T19:08:57.590Z | 33.2271667 | -116.026 | 6 | 3.06 | ci3299723 |
| 1954-03-19T19:04:46.060Z | 33.2313333 | -116.1723333 | 6 | 3.09 | ci3299722 |
| 1954-03-19T17:59:13.940Z | 33.177 | -115.9946667 | 6 | 3.35 | ci3299721 |
| 1954-03-19T17:57:14.500Z | 33.2105 | -116.0506667 | 6 | 3.05 | ci3299720 |
| 1954-03-19T17:29:21.820Z | 33.2591667 | -116.1883333 | 6 | 3.61 | ci3299719 |
| 1954-03-19T17:08:25.120Z | 33.241 | -116.0716667 | 6 | 3.14 | ci3299717 |
| 1954-03-19T17:04:47.640Z | 33.2378333 | -116.1298333 | 6 | 3.41 | ci3299716 |
| 1954-03-19T16:52:33.330Z | 33.2508333 | -115.9425 | 6 | 3.94 | ci3299715 |
| 1954-03-19T16:18:23.120Z | 33.2958333 | -116.1206667 | 6 | 3.59 | ci3299714 |
| 1954-03-19T16:04:20.450Z | 33.246 | -116.1031667 | 6 | 3.88 | ci3299713 |
| 1954-03-19T15:19:41.040Z | 33.2861667 | -116.203 | 6 | 3.25 | ci3299712 |
| 1954-03-19T14:50:37.340Z | 33.2891667 | -116.1753333 | 6 | 3.4 | ci3299711 |
| 1954-03-19T14:37:48.240Z | 33.2585 | -116.0738333 | 6 | 3.88 | ci3299710 |
| 1954-03-19T14:17:25.630Z | 33.2013333 | -116.0475 | 6 | 3.16 | ci3299709 |
| 1954-03-19T14:07:33.980Z | 33.2455 | -115.9983333 | 6 | 3.24 | ci3299708 |
| 1954-03-19T14:03:11.010Z | 33.2295 | -116.112 | 6 | 3.61 | ci3299706 |
| 1954-03-19T14:00:57.160Z | 33.2333333 | -116.1343333 | 6 | 4.01 | ci3299705 |
| 1954-03-19T13:08:02.320Z | 33.1883333 | -116.0196667 | 6 | 4.24 | ci3299703 |
| 1954-03-19T12:48:25.470Z | 33.2276667 | -116.0453333 | 6 | 3.23 | ci3299702 |
| 1954-03-19T12:43:40.060Z | 33.29 | -116.067 | 6 | 3.23 | ci3299701 |
| 1954-03-19T12:29:37.400Z | 33.2695 | -116.219 | 6 | 3.52 | ci3299700 |
| 1954-03-19T12:15:08.790Z | 33.216 | -116.0645 | 6 | 3.39 | ci3299699 |
| 1954-03-19T12:01:16.350Z | 33.2665 | -116.1255 | 6 | 3.52 | ci3299698 |
| 1954-03-19T11:47:26.640Z | 33.238 | -115.9991667 | 6 | 3.24 | ci3299697 |

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|---|---|---|---|---|---|
| 1954-03-19T11:07:43.670Z | 33.29 | -116.067 | 6 | 3.2 | ci3299696 |
| 1954-03-19T11:07:27.430Z | 33.2688333 | -116.121 | 6 | 3.15 | ci3299695 |
| 1954-03-19T11:02:54.580Z | 33.2623333 | -116.1335 | 6 | 3.02 | ci3299693 |
| 1954-03-19T11:02:01.560Z | 33.2433333 | -116.0563333 | 6 | 3.39 | ci3299692 |
| 1954-03-19T10:39:36.130Z | 33.2338333 | -116.1113333 | 6 | 3.36 | ci3299691 |
| 1954-03-19T10:39:16.400Z | 33.2268333 | -116.1718333 | 6 | 3.62 | ci3299690 |
| 1954-03-19T10:39:00.320Z | 33.2611667 | -116.1715 | 6 | 3.44 | ci3299689 |
| 1954-03-19T10:38:15.140Z | 33.2545 | -116.104 | 6 | 3.36 | ci3299688 |
| 1954-03-19T10:34:14.160Z | 33.29 | -116.067 | 6 | 3.42 | ci3299686 |
| 1954-03-19T10:32:33.430Z | 33.3116667 | -116.1658333 | 6 | 3.53 | ci3299685 |
| 1954-03-19T10:32:18.660Z | 33.2423333 | -116.1193333 | 6 | 3.8 | ci3299684 |
| 1954-03-19T10:30:20.470Z | 33.2123333 | -116.048 | 6 | 3.71 | ci3299682 |
| 1954-03-19T10:29:55.920Z | 33.225 | -116.2023333 | 6 | 3.27 | ci3299680 |
| 1954-03-19T10:28:32.520Z | 33.282 | -115.976 | 6 | 3.49 | ci3299678 |
| 1954-03-19T10:28:08.070Z | 33.1946667 | -116.0736667 | 6 | 3.36 | ci3299677 |
| 1954-03-19T10:27:49.180Z | 33.2651667 | -116.0656667 | 6 | 3.23 | ci3299676 |
| 1954-03-19T10:26:08.450Z | 33.257 | -116.0386667 | 6 | 3.89 | ci3299675 |
| 1954-03-19T10:22:48.300Z | 33.2115 | -115.9843333 | 6 | 3.77 | ci3299673 |
| 1954-03-19T10:21:16.330Z | 33.2095 | -116.0976667 | 6 | 5.48 | ci3299672 |
| 1954-03-19T10:19:55.650Z | 33.2515 | -116.0845 | 6 | 4.48 | ci3299671 |
| 1954-03-19T10:18:15.230Z | 33.2496667 | -116.1546667 | 6 | 3.42 | ci3299670 |
| 1954-03-19T10:17:13.330Z | 33.2463333 | -116.0998333 | 6 | 3.87 | ci3299669 |
| 1954-03-19T10:15:22.020Z | 33.2505 | -116.1685 | 6 | 4.47 | ci3299667 |
| 1954-03-19T10:12:50.610Z | 33.2683333 | -116.0651667 | 6 | 3.65 | ci3299666 |
| 1954-03-19T10:06:11.840Z | 33.1911667 | -116.0778333 | 6 | 3.46 | ci3299665 |
| 1954-03-19T10:04:42.380Z | 33.3226667 | -116.1583333 | 6 | 3.31 | ci3299664 |
| 1954-03-19T10:02:32.580Z | 33.29 | -116.067 | 6 | 3.36 | ci3299663 |
| 1954-03-19T10:02:13.740Z | 33.2601667 | -116.153 | 6 | 3.49 | ci3299661 |
| 1954-03-19T10:01:39.100Z | 33.1993333 | -116.186 | 6 | 4.09 | ci3299660 |
| 1954-03-19T10:00:10.750Z | 33.2705 | -116.1145 | 6 | 3.66 | ci3299659 |
| 1954-03-19T09:59:33.400Z | 33.3 | -116.08 | 6 | 3.43 | ci3299658 |
| 1954-03-19T09:58:05.690Z | 33.3 | -116.08 | 6 | 3.7 | ci3299657 |
| 1954-03-19T09:57:45.790Z | 33.3 | -116.08 | 6 | 4.27 | ci3299656 |
| 1954-03-19T09:57:05.070Z | 33.3 | -116.08 | 6 | 4.53 | ci3299655 |
| 1954-03-19T09:55:56.190Z | 33.3 | -116.08 | 6 | 4.79 | ci3299654 |
| 1954-03-19T09:54:27.830Z | 33.2985 | -116.0805 | 6 | 6.4 | ci3299653 |
| 1954-03-07T01:56:09.360Z | 33.2173333 | -115.9868333 | 6 | 3.06 | ci3298701 |
| 1954-02-26T09:08:34.120Z | 33.128 | -116.1255 | 6 | 3.37 | ci3298685 |
| 1954-02-12T09:44:27.490Z | 33.3216667 | -116.4478333 | 14.45 | 4.5 | ci3301261 |
| 1954-02-10T15:41:36.650Z | 33.2383333 | -116.0713333 | 6 | 3.21 | ci3301259 |
| 1954-01-23T08:03:17.420Z | 33.726 | -116.0303333 | 6 | 3.22 | ci3301176 |
| 1954-01-21T02:17:07.330Z | 34.0251667 | -116.8375 | 6 | 3.08 | ci3301166 |
| 1954-01-08T16:25:25.790Z | 33.1405 | -116.3008333 | 6 | 3.27 | ci3301108 |

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|---|---|---|---|---|---|
| 1954-01-07T21:22:10.960Z | 33.2358333 | -116.1116667 | 6 | 3.24 | ci3301107 |
| 1954-01-06T03:48:43.980Z | 33.9373333 | -116.9623333 | 17.44 | 3.21 | ci3301103 |
| 1954-01-04T23:31:52.330Z | 33.242 | -116.097 | 6 | 4.09 | ci3301101 |
| 1954-01-04T19:49:08.270Z | 33.1985 | -116.0733333 | 6 | 3.13 | ci3301097 |
| 1954-01-04T18:50:55.080Z | 33.2078333 | -115.9731667 | 6 | 3.92 | ci3301096 |
| 1954-01-04T15:13:30.470Z | 33.2338333 | -116.1871667 | 6 | 3.11 | ci3301095 |
| 1953-12-29T10:39:34.800Z | 33.9658333 | -117.191 | 10.13 | 3.25 | ci3300324 |
| 1953-12-20T23:15:50.720Z | 33.9843333 | -116.4145 | 6 | 3.07 | ci3300301 |
| 1953-12-15T07:15:26.060Z | 33.055 | -116.2446667 | 6 | 3.06 | ci3300289 |
| 1953-12-09T11:53:54.420Z | 33.9556667 | -116.4395 | 6 | 3.19 | ci3300281 |
| 1953-12-02T07:43:29.250Z | 33.2773333 | -116.263 | 6 | 3.47 | ci3300270 |
| 1953-11-23T13:39:06.940Z | 33.1086667 | -116.4355 | 6 | 4.22 | ci3300249 |
| 1953-09-11T20:50:45.060Z | 34.0748333 | -115.655 | 6 | 4.11 | ci3300163 |
| 1953-08-30T02:26:25.510Z | 34.0115 | -116.8033333 | 15.63 | 3.43 | ci3300141 |
| 1953-08-11T01:29:21.050Z | 34.0521667 | -116.4373333 | 6 | 3.14 | ci3300096 |
| 1953-08-07T22:43:52.820Z | 33.1295 | -116.1138333 | 6 | 3.36 | ci3300094 |
| 1953-08-05T14:56:29.870Z | 33.673 | -115.9996667 | 6 | 3.07 | ci3300081 |
| 1953-07-12T01:33:51.730Z | 33.71 | -116.9376667 | 6 | 3.34 | ci3305810 |
| 1953-07-09T02:44:22.390Z | 34.3383333 | -116.2533333 | 6 | 3.53 | ci3305804 |
| 1953-07-05T20:02:27.790Z | 34.4848333 | -116.2391667 | 6 | 3.22 | ci3305796 |
| 1953-07-05T12:21:15.630Z | 33.2268333 | -116.5038333 | 6 | 3.16 | ci3305795 |
| 1953-06-28T04:23:36.380Z | 33.2381667 | -116.061 | 6 | 3.3 | ci3305783 |
| 1953-06-02T14:15:39.950Z | 33.1466667 | -115.9653333 | 6 | 3.15 | ci3304027 |
| 1953-05-12T21:43:31.510Z | 33.2268333 | -116.1428333 | 6 | 3.1 | ci3303976 |
| 1953-05-04T03:09:42.190Z | 34.29 | -116.3658333 | 6 | 3.06 | ci3303177 |
| 1953-05-04T02:30:22.070Z | 34.1093333 | -117.3006667 | 5.13 | 3.35 | ci3303175 |
| 1953-04-23T11:48:33.290Z | 34.2935 | -116.4591667 | 6 | 3.02 | ci3303147 |
| 1953-04-11T19:53:25.930Z | 34.038 | -116.7146667 | 0.61 | 3.09 | ci3303132 |
| 1953-02-20T21:18:26.140Z | 33.2565 | -116.476 | 6 | 3.7 | ci3302218 |
| 1953-02-20T15:23:47.660Z | 34.4728333 | -116.8216667 | 0.26 | 3.29 | ci3302216 |
| 1953-02-04T04:36:14.820Z | 33.4215 | -116.4861667 | 6 | 4.27 | ci3317511 |
| 1953-01-23T14:37:41.300Z | 34.4455 | -116.5935 | 6 | 3.39 | ci3317331 |
| 1952-12-27T17:13:36.960Z | 33.7451667 | -115.6713333 | 6 | 3.37 | ci3308185 |
| 1952-11-24T03:18:57.940Z | 33.8486667 | -115.6553333 | 6 | 3.24 | ci3307226 |
| 1952-11-23T22:50:53.980Z | 34.269 | -117.0948333 | 3.44 | 3.17 | ci3307220 |
| 1952-11-16T13:48:24.310Z | 34.008 | -117.1798333 | 15.75 | 3.82 | ci3307211 |
| 1952-11-04T19:07:31.590Z | 33.0475 | -116.759 | 6 | 3.04 | ci3306871 |
| 1952-10-31T06:12:56.020Z | 33.8618333 | -115.5318333 | 6 | 3.4 | ci3306869 |
| 1952-10-17T12:48:50.610Z | 34.128 | -117.3315 | 6.22 | 3.02 | ci3306857 |
| 1952-10-11T19:53:28.670Z | 33.9735 | -116.5821667 | 6 | 3.13 | ci3306848 |
| 1952-10-05T01:34:15.270Z | 33.3811667 | -116.4171667 | 6 | 3.03 | ci3306833 |
| 1952-09-28T04:00:10.780Z | 33.9918333 | -117.2555 | 11.37 | 3.14 | ci3306797 |
| 1952-09-10T01:23:52.690Z | 34.149 | -116.5138333 | 6 | 3.1 | ci3306774 |

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|---|---|---|---|---|---|
| 1952-07-21T17:27:45.720Z | 33.948 | -117.2 | 6 | 3.22 | ci3319098 |
| 1952-07-14T09:50:36.480Z | 33.9468333 | -115.604 | 6 | 3.29 | ci3319470 |
| 1952-07-13T01:30:20.750Z | 32.896 | -116.3258333 | 6 | 3.06 | ci3319471 |
| 1952-06-16T08:34:48.960Z | 33.2231667 | -116.0243333 | 6 | 3.46 | ci3319487 |
| 1952-06-05T09:38:14.410Z | 33.3048333 | -116.7586667 | 7.52 | 3.59 | ci3319520 |
| 1952-05-31T13:37:31.800Z | 33.862 | -116.3081667 | 6 | 3.53 | ci3319533 |
| 1952-05-27T06:27:02.770Z | 33.3851667 | -116.3235 | 10 | 3.39 | ci3319539 |
| 1952-04-10T10:08:26.550Z | 33.9303333 | -115.7161667 | 6 | 3.21 | ci3321997 |
| 1952-04-09T12:24:25.040Z | 33.858 | -115.7773333 | 6 | 3.89 | ci3321996 |
| 1952-04-08T18:25:25.320Z | 33.9608333 | -115.7033333 | 6 | 3.33 | ci3324717 |
| 1952-04-08T02:44:04.820Z | 33.9501667 | -115.6678333 | 6 | 3.38 | ci3324716 |
| 1952-03-28T01:16:21.580Z | 33.107 | -115.9898333 | 6 | 4.03 | ci3324714 |
| 1952-02-20T00:42:01.450Z | 34.0691667 | -117.2268333 | 15.79 | 3.3 | ci3322083 |
| 1952-02-19T20:11:09.120Z | 33.0935 | -116.1011667 | 6 | 3.18 | ci3322081 |
| 1952-02-17T12:36:58.060Z | 34.0141667 | -117.222 | 13.83 | 4.39 | ci3322079 |
| 1952-02-08T17:40:25.700Z | 33.1265 | -116.3515 | 6 | 3.98 | ci3322040 |
| 1952-01-28T00:10:57.030Z | 33.9306667 | -116.2658333 | 6 | 3.55 | ci3322026 |
| 1952-01-27T16:08:50.000Z | 33.6001667 | -117.1661667 | 6 | 3.02 | ci3322025 |
| 1952-01-21T05:22:06.330Z | 34.4726667 | -116.2625 | 6 | 3.14 | ci3322017 |
| 1952-01-08T23:53:43.230Z | 33.6976667 | -115.9358333 | 6 | 3.14 | ci3322200 |
| 1952-01-08T06:34:27.510Z | 33.9878333 | -116.3608333 | 6 | 4.36 | ci3322199 |
| 1951-11-23T11:40:06.930Z | 34.038 | -117.2365 | 6 | 3.02 | ci3322227 |
| 1951-11-17T13:07:27.730Z | 33.2335 | -115.8955 | 6 | 3.16 | ci3322219 |
| 1951-11-10T03:39:07.590Z | 34.4285 | -116.322 | 1 | 3.19 | ci3322212 |
| 1951-10-22T01:14:27.490Z | 34.1451667 | -117.3366667 | 5.22 | 3.09 | ci3322272 |
| 1951-10-16T12:42:05.800Z | 34.1458333 | -116.9776667 | 9.27 | 3.73 | ci3322270 |
| 1951-09-30T15:49:40.520Z | 33.2723333 | -116.2861667 | 6 | 3.64 | ci3322262 |
| 1951-09-23T07:09:14.600Z | 33.9536667 | -115.8175 | 6 | 3.24 | ci3322258 |
| 1951-09-22T08:22:38.900Z | 34.137 | -117.3313333 | 11.05 | 4.14 | ci3322256 |
| 1951-09-02T06:10:10.530Z | 33.7706667 | -116.5153333 | 6 | 3 | ci3322376 |
| 1951-08-31T09:10:11.790Z | 33.2211667 | -116.4585 | 6 | 3.16 | ci3322374 |
| 1951-08-27T01:33:36.950Z | 34.2395 | -116.5241667 | 0.09 | 3.26 | ci3322368 |
| 1951-08-23T14:08:10.700Z | 33.9528333 | -116.7441667 | 20.69 | 3.16 | ci3322363 |
| 1951-08-23T02:14:32.540Z | 33.908 | -115.849 | 6 | 3.1 | ci3322392 |
| 1951-08-15T12:27:10.430Z | 33.1528333 | -116.0841667 | 6 | 3.63 | ci3322299 |
| 1951-08-09T17:36:48.520Z | 34.0336667 | -116.4391667 | 6 | 3.05 | ci3322293 |
| 1951-08-05T08:33:50.850Z | 33.1666667 | -116.0631667 | 6 | 3.07 | ci3322289 |
| 1951-08-04T03:04:44.850Z | 33.1308333 | -116.084 | 6 | 3.17 | ci3322480 |
| 1951-07-17T14:50:32.570Z | 33.9786667 | -116.4625 | 6 | 3.19 | ci3322464 |
| 1951-07-12T16:05:44.960Z | 33.7163333 | -116.184 | 6 | 3.06 | ci3322454 |
| 1951-06-29T21:29:37.500Z | 33.3015 | -115.721 | 6 | 3.37 | ci3322418 |
| 1951-06-29T21:13:31.160Z | 33.304 | -115.7118333 | 6 | 3.21 | ci3322415 |
| 1951-06-25T16:14:50.470Z | 33.9446667 | -116.344 | 6 | 3.11 | ci3322407 |

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|---|---|---|---|---|---|
| 1951-04-21T05:03:16.100Z | 33.4805 | -116.4348333 | 6 | 3.76 | ci3322488 |
| 1951-04-04T02:19:47.190Z | 33.887 | -116.1045 | 6 | 3.15 | ci3322594 |
| 1951-03-30T03:03:02.240Z | 33.3003333 | -116.2353333 | 6 | 3.54 | ci3322587 |
| 1951-03-29T23:39:30.160Z | 33.2758333 | -116.1245 | 6 | 4.3 | ci3322585 |
| 1951-03-10T15:52:24.410Z | 34.0278333 | -116.8566667 | 20 | 3.72 | ci3322566 |
| 1951-02-25T03:23:29.460Z | 33.9228333 | -115.8241667 | 6 | 3.28 | ci3322559 |
| 1951-02-22T00:10:46.660Z | 33.4503333 | -116.4546667 | 3.84 | 3.11 | ci3322558 |
| 1951-02-15T12:20:49.760Z | 33.4751667 | -116.5033333 | 14.23 | 3.1 | ci3322678 |
| 1951-02-15T10:49:57.230Z | 33.4516667 | -116.4886667 | 6 | 4.58 | ci3322677 |
| 1951-02-15T10:48:00.220Z | 33.4816667 | -116.6011667 | 3.38 | 4.71 | ci3322675 |
| 1951-01-24T20:05:52.660Z | 32.9895 | -116.3605 | 6 | 3.32 | ci3322629 |
| 1950-12-30T03:48:09.120Z | 33.9411667 | -116.4723333 | 6 | 3.54 | ci3342444 |
| 1950-12-28T05:22:12.880Z | 33.5816667 | -116.0081667 | 6 | 3.81 | ci3342440 |
| 1950-12-22T02:05:35.420Z | 33.4083333 | -116.6066667 | 9.38 | 3.85 | ci3342419 |
| 1950-12-10T08:31:09.790Z | 33.339 | -116.4056667 | 6 | 3.28 | ci3342388 |
| 1950-11-25T16:47:27.090Z | 33.0908333 | -116.0888333 | 6 | 3.06 | ci3342300 |
| 1950-11-19T12:17:15.010Z | 34.191 | -116.5125 | 6 | 3.04 | ci3342287 |
| 1950-11-17T11:57:23.940Z | 33.932 | -115.8675 | 6 | 3.15 | ci3342281 |
| 1950-11-12T23:32:27.680Z | 34.014 | -115.962 | 6 | 3.42 | ci3342272 |
| 1950-11-10T00:35:42.880Z | 34.038 | -116.5791667 | 6 | 3.33 | ci3342265 |
| 1950-10-31T00:31:01.600Z | 34.1633333 | -116.6221667 | 6 | 3.18 | ci3323193 |
| 1950-10-14T17:59:29.620Z | 33.7046667 | -116.6728333 | 6.28 | 3.02 | ci3323156 |
| 1950-10-06T01:40:07.930Z | 33.943 | -115.7978333 | 6 | 3 | ci3323137 |
| 1950-10-06T01:39:00.410Z | 33.871 | -115.7271667 | 6 | 3.37 | ci3323133 |
| 1950-09-30T00:27:34.010Z | 33.1768333 | -116.1035 | 6 | 3.23 | ci3323120 |
| 1950-09-21T22:45:11.830Z | 34.037 | -117.2456667 | 15.3 | 3.32 | ci3323108 |
| 1950-09-18T04:41:38.430Z | 34.1011667 | -117.323 | 17.55 | 3 | ci3323099 |
| 1950-09-16T21:46:35.540Z | 33.3685 | -116.462 | 1.11 | 3.39 | ci3323095 |
| 1950-09-05T19:19:56.770Z | 33.726 | -116.6973333 | 6.38 | 4.76 | ci3344132 |
| 1950-08-29T00:29:00.460Z | 34.3136667 | -116.8495 | 6.24 | 3.26 | ci3344121 |
| 1950-08-28T19:45:26.290Z | 34.3201667 | -116.8146667 | 6 | 4.02 | ci3344118 |
| 1950-08-23T16:35:28.120Z | 33.6796667 | -116.7463333 | 6.47 | 3.03 | ci3344090 |
| 1950-08-23T04:34:52.170Z | 32.957 | -116.1463333 | 6 | 3.24 | ci3344088 |
| 1950-08-12T02:17:16.740Z | 34.3158333 | -116.805 | 6 | 4.08 | ci3343020 |
| 1950-08-04T01:46:57.140Z | 32.9113333 | -116.1806667 | 6 | 3.42 | ci3342915 |
| 1950-08-01T08:37:21.300Z | 33.2146667 | -115.7236667 | 6 | 4.7 | ci3342844 |
| 1950-07-29T15:08:56.650Z | 33.1935 | -115.6238333 | 6 | 4.3 | ci3344253 |
| 1950-07-28T22:56:55.310Z | 33.193 | -115.614 | 6 | 3.76 | ci3344247 |
| 1950-07-28T18:39:42.840Z | 33.0155 | -115.9576667 | 6 | 3.78 | ci3344242 |
| 1950-07-25T16:55:40.560Z | 33.3963333 | -116.4135 | 6 | 3.26 | ci3344203 |
| 1950-07-07T11:35:37.530Z | 33.8748333 | -116.3703333 | 6 | 3.06 | ci3344195 |
| 1950-06-02T21:28:04.780Z | 33.4308333 | -115.672 | 6 | 3.14 | ci3366713 |
| 1950-05-29T03:03:04.890Z | 34.0183333 | -117.2575 | 18.69 | 3.07 | ci3366710 |

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|---|---|---|---|---|---|
| 1950-05-19T04:38:39.470Z | 33.8618333 | -115.6635 | 6 | 3.71 | ci3366699 |
| 1950-05-14T23:19:32.100Z | 33.5665 | -115.506 | 6 | 3.11 | ci3366696 |
| 1950-05-03T16:32:42.640Z | 33.93 | -116.5588333 | 6 | 3.34 | ci3344260 |
| 1950-04-09T07:18:36.530Z | 33.6683333 | -116.5203333 | 6 | 3.24 | ci3366674 |
| 1950-04-06T17:44:41.400Z | 33.0131667 | -116.2963333 | 6 | 3.04 | ci3366668 |
| 1950-04-05T19:59:34.940Z | 33.1683333 | -116.0823333 | 6 | 3.37 | ci3366665 |
| 1950-03-20T18:42:01.420Z | 33.9363333 | -115.7183333 | 6 | 3.05 | ci3366646 |
| 1950-03-03T17:02:34.890Z | 34.3851667 | -116.5571667 | 6 | 3.07 | ci3366635 |
| 1950-03-03T13:05:27.130Z | 34.4431667 | -116.523 | 6 | 3.38 | ci3366634 |
| 1950-02-23T00:28:05.510Z | 34.0205 | -116.4031667 | 6 | 3.17 | ci3363980 |
| 1950-02-23T00:00:05.770Z | 33.713 | -116.3525 | 6 | 3.15 | ci10086174 |
| 1950-02-16T04:37:44.470Z | 33.877 | -115.9106667 | 6 | 3.04 | ci10086170 |
| 1950-02-16T01:43:14.450Z | 33.9705 | -115.7903333 | 6 | 3.05 | ci3363689 |
| 1950-02-10T03:32:52.920Z | 34.1231667 | -116.5035 | 6 | 3.48 | ci3363645 |
| 1950-02-07T21:36:32.000Z | 34.1445 | -117.0328333 | 19.07 | 3.09 | ci3363640 |
| 1950-01-27T20:36:58.900Z | 33.2705 | -116.351 | 6 | 3.3 | ci3362314 |
| 1950-01-20T16:17:04.180Z | 33.1556667 | -116.004 | 6 | 3 | ci3362203 |
| 1950-01-13T05:07:19.500Z | 33.9776667 | -116.4125 | 6 | 3.97 | ci3362063 |
| 1950-01-09T21:40:35.740Z | 33.7523333 | -116.0186667 | 6 | 3.08 | ci3361971 |
| 1950-01-09T13:24:56.940Z | 34.0661667 | -116.959 | 0.04 | 3.78 | ci3361958 |
| 1950-01-03T11:26:30.040Z | 33.9406667 | -115.8881667 | 6 | 3.37 | ci3361691 |
| 1949-12-22T09:59:41.970Z | 33.916 | -115.965 | 6 | 3.26 | ci3355515 |
| 1949-12-21T07:33:58.930Z | 33.919 | -115.742 | 6 | 3.15 | ci3355497 |
| 1949-12-15T09:48:53.310Z | 34.3696667 | -116.8628333 | 5.62 | 3.09 | ci3355492 |
| 1949-12-12T03:36:54.450Z | 33.9315 | -115.744 | 6 | 3.12 | ci3354846 |
| 1949-12-10T14:50:17.240Z | 33.9376667 | -116.4938333 | 6 | 3.08 | ci3354838 |
| 1949-11-13T16:58:08.400Z | 33.9578333 | -115.8058333 | 6 | 3.24 | ci3354779 |
| 1949-11-01T10:58:37.860Z | 33.9301667 | -115.7686667 | 6 | 3.4 | ci3355598 |
| 1949-11-01T10:58:31.300Z | 33.9168333 | -115.7631667 | 6 | 3.1 | ci3355599 |
| 1949-10-28T13:22:35.620Z | 33.9546667 | -115.8136667 | 6 | 3.05 | ci10085958 |
| 1949-10-26T20:43:49.990Z | 33.5103333 | -116.5703333 | 5.27 | 3 | ci3355562 |
| 1949-10-17T13:20:57.890Z | 33.9456667 | -116.5775 | 6 | 3.42 | ci3355588 |
| 1949-10-14T01:02:37.630Z | 33.153 | -116.3973333 | 6 | 3.22 | ci3355540 |
| 1949-10-14T00:46:38.190Z | 33.1641667 | -116.4171667 | 6 | 3.06 | ci3355539 |
| 1949-10-14T00:29:27.490Z | 33.191 | -116.4655 | 6 | 4.03 | ci3355538 |
| 1949-10-13T04:20:40.300Z | 33.9116667 | -115.7306667 | 6 | 3.85 | ci3355537 |
| 1949-10-06T04:12:22.350Z | 33.9108333 | -115.8266667 | 6 | 3.28 | ci3355534 |
| 1949-09-23T21:44:39.690Z | 33.9678333 | -116.6231667 | 6 | 3.84 | ci3355527 |
| 1949-09-13T20:04:47.040Z | 33.6598333 | -116.0895 | 6 | 3.11 | ci3355688 |
| 1949-08-25T11:27:40.480Z | 33.9281667 | -115.7895 | 6 | 3.12 | ci3355656 |
| 1949-08-22T01:51:59.270Z | 33.846 | -115.9298333 | 6 | 3.01 | ci3355653 |
| 1949-08-19T10:57:50.390Z | 33.962 | -116.8681667 | 11.78 | 3.66 | ci3355630 |
| 1949-08-17T05:14:20.100Z | 34.0136667 | -117.1865 | 15.48 | 3.43 | ci3355628 |

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|---|---|---|---|---|---|
| 1949-08-16T05:33:29.310Z | 33.9706667 | -115.7235 | 6 | 3.05 | ci3355623 |
| 1949-08-12T15:12:14.910Z | 33.8616667 | -115.8061667 | 6 | 3.19 | ci3355621 |
| 1949-08-11T00:09:32.580Z | 33.8258333 | -115.8645 | 6 | 3.32 | ci3355620 |
| 1949-08-10T09:37:07.390Z | 33.7685 | -115.5926667 | 6 | 3.4 | ci3355619 |
| 1949-07-31T02:05:00.900Z | 33.9671667 | -116.3645 | 6 | 3.06 | ci3355609 |
| 1949-07-29T13:19:39.240Z | 34.0216667 | -115.8623333 | 6 | 3.38 | ci3355603 |
| 1949-07-26T14:18:07.940Z | 34.0493333 | -116.6956667 | 6 | 3.13 | ci10085914 |
| 1949-07-26T10:24:04.320Z | 33.7188333 | -115.6638333 | 6 | 3.21 | ci3355935 |
| 1949-07-26T08:24:28.550Z | 33.9263333 | -115.8575 | 6 | 3.25 | ci3355933 |
| 1949-07-25T20:02:00.220Z | 33.9898333 | -116.4226667 | 6 | 3.16 | ci3355932 |
| 1949-07-20T16:40:32.190Z | 33.915 | -115.853 | 6 | 3.27 | ci3355928 |
| 1949-07-20T16:35:02.230Z | 33.8863333 | -115.8228333 | 6 | 3.32 | ci3355893 |
| 1949-07-12T21:56:26.190Z | 33.247 | -116.1458333 | 6 | 3.23 | ci3355832 |
| 1949-07-11T21:06:55.580Z | 33.8906667 | -115.8585 | 6 | 3.24 | ci3355827 |
| 1949-07-11T09:52:27.630Z | 33.959 | -115.74 | 6 | 3.29 | ci3355826 |
| 1949-07-03T09:50:22.250Z | 34.1 | -117.3208333 | 16.92 | 3.1 | ci3355819 |
| 1949-06-30T10:30:23.260Z | 33.9948333 | -115.7996667 | 6 | 3.12 | ci3355814 |
| 1949-06-30T07:50:13.230Z | 33.9495 | -115.8028333 | 6 | 3.08 | ci3355812 |
| 1949-06-29T03:44:37.040Z | 33.9396667 | -115.7225 | 6 | 3.08 | ci3355810 |
| 1949-06-25T20:00:43.540Z | 33.9803333 | -115.765 | 6 | 3.16 | ci3355805 |
| 1949-06-23T14:13:27.720Z | 33.9423333 | -115.7788333 | 6 | 3.22 | ci3355800 |
| 1949-06-15T19:03:55.640Z | 33.9743333 | -115.6801667 | 6 | 3.05 | ci3355743 |
| 1949-06-15T07:10:32.270Z | 33.9335 | -115.7801667 | 6 | 3.54 | ci3355742 |
| 1949-06-13T19:54:17.020Z | 33.6588333 | -115.544 | 6 | 3.26 | ci3355736 |
| 1949-06-11T10:24:30.900Z | 33.8771667 | -115.777 | 6 | 3.16 | ci3355735 |
| 1949-06-06T12:22:43.910Z | 33.9518333 | -116.4736667 | 6 | 3.45 | ci3356070 |
| 1949-06-04T17:02:59.950Z | 33.946 | -115.9113333 | 6 | 3.03 | ci3356069 |
| 1949-06-02T16:08:38.750Z | 33.9545 | -115.8241667 | 6 | 3.43 | ci3356067 |
| 1949-05-31T13:54:10.960Z | 33.8675 | -115.6265 | 6 | 3.18 | ci3356064 |
| 1949-05-28T11:10:21.880Z | 33.9168333 | -115.8365 | 6 | 3.11 | ci3356061 |
| 1949-05-27T23:47:00.530Z | 33.1448333 | -115.9316667 | 20.71 | 3.48 | ci3356060 |
| 1949-05-26T15:46:19.000Z | 34 | -115.7 | 6 | 3.4 | ci10085894 |
| 1949-05-26T15:43:38.120Z | 34.019 | -115.6251667 | 6 | 3.38 | ci3356056 |
| 1949-05-25T17:31:49.590Z | 33.9341667 | -115.8183333 | 6 | 3.83 | ci3356054 |
| 1949-05-25T14:49:05.400Z | 33.8665 | -115.7821667 | 6 | 3.14 | ci3356053 |
| 1949-05-25T14:27:48.500Z | 33.9863333 | -115.7816667 | 6 | 3.24 | ci3356052 |
| 1949-05-25T04:21:20.120Z | 33.8703333 | -115.7528333 | 6 | 3.2 | ci10085890 |
| 1949-05-25T01:57:52.840Z | 33.894 | -115.7881667 | 6 | 3.28 | ci3356050 |
| 1949-05-24T19:25:50.730Z | 33.8546667 | -115.8505 | 6 | 3.65 | ci3356049 |
| 1949-05-24T15:51:27.750Z | 33.8693333 | -115.7356667 | 6 | 3.2 | ci3356072 |
| 1949-05-24T06:02:08.470Z | 33.8816667 | -115.78 | 6 | 3.26 | ci3356048 |
| 1949-05-24T05:51:48.180Z | 33.8481667 | -115.867 | 6 | 3.51 | ci3356046 |
| 1949-05-23T08:14:06.750Z | 33.8476667 | -115.7488333 | 6 | 3.2 | ci3356045 |

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|---|---|---|---|---|---|
| 1949-05-23T01:47:33.850Z | 33.9671667 | -115.8561667 | 6 | 3.56 | ci3356044 |
| 1949-05-23T00:45:35.130Z | 33.8955 | -115.8105 | 6 | 3.5 | ci3356043 |
| 1949-05-22T23:20:24.350Z | 33.9811667 | -115.6591667 | 6 | 3.93 | ci10085886 |
| 1949-05-20T13:24:19.950Z | 33.9411667 | -115.8145 | 6 | 3.31 | ci3356037 |
| 1949-05-20T11:07:42.030Z | 33.9735 | -115.7431667 | 6 | 3.35 | ci3356033 |
| 1949-05-19T14:35:22.650Z | 33.9181667 | -115.8023333 | 6 | 3.3 | ci3356031 |
| 1949-05-19T11:40:08.330Z | 33.9168333 | -115.9188333 | 6 | 3.21 | ci3356030 |
| 1949-05-18T07:45:50.490Z | 33.9141667 | -115.8365 | 6 | 3.18 | ci3356027 |
| 1949-05-18T02:13:20.180Z | 33.9391667 | -115.8223333 | 6 | 3.18 | ci3356025 |
| 1949-05-17T11:42:36.230Z | 33.9225 | -115.8421667 | 6 | 3.21 | ci3356022 |
| 1949-05-17T09:38:43.390Z | 33.8701667 | -115.7498333 | 6 | 3.3 | ci3356021 |
| 1949-05-16T10:03:17.890Z | 34.1986667 | -115.6778333 | 6 | 3.23 | ci3356019 |
| 1949-05-16T04:05:41.690Z | 33.6778333 | -115.5588333 | 6 | 3.26 | ci3356017 |
| 1949-05-15T12:16:26.230Z | 33.1305 | -116.2171667 | 6 | 3.25 | ci3356015 |
| 1949-05-15T08:02:46.540Z | 33.0205 | -116.1225 | 6 | 3.33 | ci3356014 |
| 1949-05-15T06:48:10.160Z | 33.7713333 | -115.9411667 | 6 | 3.26 | ci3356013 |
| 1949-05-13T12:01:41.010Z | 33.9226667 | -115.8458333 | 6 | 3.3 | ci3356010 |
| 1949-05-13T10:06:51.580Z | 33.9253333 | -115.7916667 | 6 | 3.11 | ci3356007 |
| 1949-05-13T07:11:01.910Z | 33.8998333 | -115.8895 | 6 | 3.34 | ci3356005 |
| 1949-05-12T14:30:20.290Z | 34.0033333 | -115.751 | 6 | 3.29 | ci3356003 |
| 1949-05-10T04:15:43.190Z | 33.859 | -115.8476667 | 6 | 3.34 | ci3355998 |
| 1949-05-10T04:06:34.060Z | 33.866 | -115.352 | 6 | 4.3 | ci3355997 |
| 1949-05-08T20:25:51.480Z | 33.8885 | -115.8508333 | 6 | 3.18 | ci3355996 |
| 1949-05-08T09:11:50.040Z | 34.003 | -115.7486667 | 6 | 3.15 | ci3355993 |
| 1949-05-07T19:48:26.760Z | 33.9088333 | -115.7928333 | 6 | 3.3 | ci3355991 |
| 1949-05-07T08:50:44.360Z | 33.9055 | -115.8795 | 6 | 3.14 | ci3355989 |
| 1949-05-07T07:55:34.580Z | 33.7038333 | -115.8438333 | 6 | 3.43 | ci3355988 |
| 1949-05-07T05:44:21.490Z | 34.2758333 | -115.5701667 | 6 | 3.45 | ci3355987 |
| 1949-05-06T10:58:07.670Z | 33.9765 | -115.884 | 6 | 3.27 | ci3355985 |
| 1949-05-06T04:50:13.930Z | 33.8766667 | -115.861 | 6 | 3.32 | ci3355983 |
| 1949-05-06T03:29:34.260Z | 33.9863333 | -115.718 | 6 | 3.17 | ci3355981 |
| 1949-05-06T03:26:09.540Z | 33.889 | -115.8611667 | 6 | 3.66 | ci3355980 |
| 1949-05-06T02:48:37.650Z | 34.0105 | -115.9983333 | 6 | 3.01 | ci3355979 |
| 1949-05-06T02:22:55.700Z | 33.8263333 | -115.9386667 | 6 | 3.12 | ci3355978 |
| 1949-05-05T10:30:31.950Z | 33.5238333 | -116.0275 | 6 | 3.46 | ci3355976 |
| 1949-05-05T09:29:43.110Z | 33.9446667 | -115.905 | 6 | 3.31 | ci3355974 |
| 1949-05-05T02:16:07.360Z | 33.966 | -115.8115 | 6 | 3.52 | ci3355970 |
| 1949-05-05T02:15:07.220Z | 34.016 | -115.7083333 | 6 | 3.38 | ci3355969 |
| 1949-05-05T02:14:26.680Z | 33.4153333 | -115.9673333 | 6 | 3.13 | ci3355968 |
| 1949-05-04T19:45:33.940Z | 33.7256667 | -115.5875 | 6 | 3.73 | ci3355967 |
| 1949-05-04T19:43:32.560Z | 33.9726667 | -115.7016667 | 6 | 3.44 | ci3355966 |
| 1949-05-04T14:42:41.540Z | 33.877 | -115.6028333 | 6 | 3.44 | ci3355965 |
| 1949-05-04T08:14:32.760Z | 33.4621667 | -115.9768333 | 6 | 3.26 | ci3355964 |

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|---|---|---|---|---|---|
| 1949-05-04T07:04:40.740Z | 33.9276667 | -115.781 | 6 | 3.23 | ci3355963 |
| 1949-05-03T23:41:00.250Z | 33.8715 | -115.7813333 | 6 | 3.21 | ci3355962 |
| 1949-05-03T21:55:31.540Z | 33.9156667 | -115.8093333 | 6 | 3.35 | ci3355961 |
| 1949-05-03T21:26:57.740Z | 33.8863333 | -115.8311667 | 6 | 3.38 | ci3355960 |
| 1949-05-03T21:11:19.670Z | 33.9436667 | -115.7448333 | 6 | 3.32 | ci3355958 |
| 1949-05-03T18:10:52.550Z | 33.4986667 | -115.887 | 6 | 3.31 | ci3355956 |
| 1949-05-03T13:47:14.210Z | 33.477 | -115.916 | 6 | 3.27 | ci3355954 |
| 1949-05-03T11:26:56.390Z | 33.8975 | -115.8245 | 6 | 3.26 | ci3355953 |
| 1949-05-03T10:25:26.020Z | 33.9 | -115.6666667 | 6 | 3.15 | ci3355952 |
| 1949-05-03T10:24:38.950Z | 33.4633333 | -115.9256667 | 6 | 3.09 | ci3355951 |
| 1949-05-03T10:13:57.870Z | 33.866 | -115.6798333 | 6 | 3.48 | ci3355950 |
| 1949-05-03T09:52:38.530Z | 33.4161667 | -115.9408333 | 6 | 3.2 | ci3355949 |
| 1949-05-03T07:00:48.610Z | 33.5025 | -115.925 | 6 | 3.14 | ci3355948 |
| 1949-05-03T06:42:37.160Z | 33.9136667 | -115.7286667 | 6 | 3.16 | ci3355947 |
| 1949-05-03T01:47:38.740Z | 33.9361667 | -115.8121667 | 6 | 3.19 | ci3355944 |
| 1949-05-02T23:03:14.410Z | 33.4331667 | -115.9048333 | 6 | 3.12 | ci10085878 |
| 1949-05-02T19:08:49.110Z | 33.5975 | -115.9336667 | 6 | 3.24 | ci3355943 |
| 1949-05-02T19:02:53.220Z | 33.899 | -115.9043333 | 6 | 3.28 | ci3355942 |
| 1949-05-02T18:41:11.330Z | 33.9383333 | -116.0963333 | 6 | 3.9 | ci3355941 |
| 1949-05-02T18:10:40.380Z | 33.92 | -115.8313333 | 6 | 3.45 | ci3355940 |
| 1949-05-02T18:05:36.050Z | 33.929 | -115.8606667 | 6 | 3.32 | ci3355939 |
| 1949-05-02T18:04:07.920Z | 33.9588333 | -115.6916667 | 6 | 3.31 | ci10085874 |
| 1949-05-02T17:52:25.960Z | 33.8905 | -115.9001667 | 6 | 3.28 | ci3356163 |
| 1949-05-02T17:49:59.710Z | 33.946 | -115.9253333 | 6 | 3.44 | ci3356162 |
| 1949-05-02T16:26:53.810Z | 33.6166667 | -115.8225 | 6 | 3.12 | ci3356161 |
| 1949-05-02T16:21:31.290Z | 33.9083333 | -115.8455 | 6 | 3.4 | ci3356160 |
| 1949-05-02T16:04:44.000Z | 33.9086667 | -115.7998333 | 6 | 3.17 | ci3356158 |
| 1949-05-02T14:35:22.780Z | 33.983 | -115.7598333 | 6 | 3.67 | ci3356157 |
| 1949-05-02T13:27:07.340Z | 33.9673333 | -115.8031667 | 6 | 3.58 | ci10085870 |
| 1949-05-02T13:26:38.690Z | 33.855 | -115.6425 | 6 | 3.39 | ci3356155 |
| 1949-05-02T13:01:05.060Z | 33.9146667 | -115.6945 | 6 | 3.49 | ci3356154 |
| 1949-05-02T11:25:46.900Z | 34 | -115.6958333 | 6 | 5.69 | ci3356151 |
| 1949-05-02T11:24:59.640Z | 33.9608333 | -115.7416667 | 6 | 4.45 | ci3356149 |
| 1949-04-17T18:09:17.850Z | 33.9191667 | -116.3758333 | 6 | 3.03 | ci3356135 |
| 1949-04-13T13:06:32.390Z | 32.9315 | -116.4158333 | 6 | 3.54 | ci3356132 |
| 1949-04-13T07:53:37.870Z | 33.3748333 | -116.4845 | 0.02 | 3.91 | ci3356128 |
| 1949-04-03T23:34:28.090Z | 33.9568333 | -116.4601667 | 6 | 3.34 | ci3356123 |
| 1949-04-01T19:20:03.140Z | 33.9758333 | -116.4631667 | 6 | 3.04 | ci3356122 |
| 1949-03-23T23:33:22.510Z | 34.1303333 | -116.5981667 | 6 | 3 | ci3356111 |
| 1949-03-18T08:37:44.770Z | 33.6801667 | -115.9456667 | 6 | 3.07 | ci3356100 |
| 1949-03-17T16:06:29.660Z | 33.3855 | -116.5008333 | 2.21 | 3.72 | ci3356166 |
| 1949-03-16T18:00:28.340Z | 33.0153333 | -116.2971667 | 6 | 3.92 | ci3356092 |
| 1949-03-15T15:08:51.570Z | 33.9915 | -116.4775 | 6 | 3.34 | ci3356089 |

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|---|---|---|---|---|---|
| 1949-03-08T18:22:25.960Z | 33.9128333 | -116.3401667 | 6 | 3.08 | ci3356078 |
| 1949-03-05T09:36:38.570Z | 33.8818333 | -116.4688333 | 6 | 3.09 | ci3356259 |
| 1949-03-03T20:26:20.270Z | 33.8811667 | -115.9068333 | 6 | 3.02 | ci3356257 |
| 1949-02-10T23:16:07.030Z | 33.0696667 | -116.4755 | 6 | 3.05 | ci3356222 |
| 1949-02-07T16:11:41.190Z | 33.2575 | -116.1483333 | 6 | 3.4 | ci3356217 |
| 1949-01-30T14:39:38.700Z | 33.2506667 | -116.144 | 6 | 3.49 | ci3356209 |
| 1949-01-22T21:15:16.970Z | 33.4266667 | -116.9661667 | 6 | 3 | ci3356199 |
| 1949-01-06T05:54:14.060Z | 33.9418333 | -116.372 | 6 | 3.32 | ci3356184 |
| 1949-01-01T15:11:28.860Z | 33.9541667 | -116.48 | 6 | 3.38 | ci3356176 |
| 1949-01-01T09:05:32.360Z | 33.9763333 | -116.438 | 6 | 3.1 | ci3356174 |
| 1948-12-28T12:53:40.050Z | 33.4881667 | -116.5425 | 6 | 3.97 | ci3356441 |
| 1948-12-27T23:36:03.280Z | 33.9411667 | -116.4771667 | 6 | 3.36 | ci3356438 |
| 1948-12-27T11:19:06.830Z | 34.0595 | -116.1935 | 6 | 3.85 | ci3356437 |
| 1948-12-26T09:25:22.110Z | 33.9845 | -116.4686667 | 6 | 3.07 | ci3356435 |
| 1948-12-16T22:57:22.070Z | 33.9448333 | -116.4295 | 6 | 3.11 | ci3356413 |
| 1948-12-15T16:41:49.470Z | 33.9083333 | -116.4198333 | 6 | 3.59 | ci3356410 |
| 1948-12-13T15:01:14.730Z | 33.9718333 | -116.4838333 | 6 | 3.12 | ci3356394 |
| 1948-12-13T10:14:04.790Z | 33.9683333 | -116.4328333 | 6 | 3.09 | ci3356390 |
| 1948-12-11T18:15:28.660Z | 33.9796667 | -116.4463333 | 6 | 3.29 | ci3356381 |
| 1948-12-11T16:12:19.210Z | 33.9803333 | -116.4261667 | 6 | 4.29 | ci3356375 |
| 1948-12-11T10:47:59.080Z | 33.1983333 | -116.3011667 | 6 | 3.44 | ci3356373 |
| 1948-12-11T07:22:05.120Z | 33.96 | -116.4786667 | 6 | 3.05 | ci3356365 |
| 1948-12-11T07:13:34.090Z | 33.939 | -116.454 | 6 | 3.09 | ci3356364 |
| 1948-12-11T05:18:53.870Z | 33.9763333 | -116.325 | 6 | 3.06 | ci3356362 |
| 1948-12-11T01:54:55.570Z | 34.263 | -117.0925 | 0.01 | 3.02 | ci3356361 |
| 1948-12-10T20:42:57.340Z | 33.9315 | -116.4516667 | 6 | 4.33 | ci3356357 |
| 1948-12-10T10:58:55.910Z | 33.9065 | -116.4671667 | 6 | 3.35 | ci3356446 |
| 1948-12-10T09:18:02.530Z | 33.9568333 | -116.4471667 | 6 | 3.01 | ci3356351 |
| 1948-12-09T16:56:40.020Z | 33.8538333 | -116.4695 | 6 | 3.01 | ci3356347 |
| 1948-12-09T05:07:42.990Z | 33.1723333 | -116.3378333 | 6 | 3.17 | ci3356346 |
| 1948-12-09T02:47:12.560Z | 33.9315 | -116.3618333 | 6 | 3.03 | ci3356343 |
| 1948-12-09T01:27:00.120Z | 33.9563333 | -116.4225 | 6 | 3.33 | ci3356341 |
| 1948-12-08T19:33:53.540Z | 34.0035 | -116.4336667 | 6 | 3.04 | ci3356340 |
| 1948-12-08T08:37:54.230Z | 33.9173333 | -116.3708333 | 6 | 3.05 | ci3356334 |
| 1948-12-07T20:05:44.610Z | 33.9383333 | -116.3606667 | 6 | 3.09 | ci3356318 |
| 1948-12-07T04:49:20.070Z | 33.9663333 | -116.4053333 | 6 | 3.32 | ci3356921 |
| 1948-12-06T02:51:23.820Z | 34.1046667 | -116.3553333 | 6 | 3.14 | ci3356911 |
| 1948-12-06T02:46:07.560Z | 33.9878333 | -116.468 | 6 | 4.13 | ci3356909 |
| 1948-12-05T22:25:55.480Z | 33.9945 | -116.4233333 | 6 | 3.09 | ci3356831 |
| 1948-12-05T13:28:53.290Z | 33.8726667 | -116.4991667 | 6 | 3.37 | ci3356654 |
| 1948-12-05T13:21:03.970Z | 33.9521667 | -116.3963333 | 6 | 3.03 | ci3356947 |
| 1948-12-05T13:20:44.760Z | 33.9651667 | -116.3746667 | 6 | 3.04 | ci3356946 |
| 1948-12-05T13:17:46.420Z | 33.9711667 | -116.4498333 | 6 | 3.18 | ci3356652 |

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|---|---|---|---|---|---|
| 1948-12-05T12:51:26.680Z | 33.944 | -116.4605 | 6 | 3.61 | ci3356651 |
| 1948-12-05T09:28:28.390Z | 33.9756667 | -116.4473333 | 6 | 3.8 | ci3356648 |
| 1948-12-05T07:47:48.480Z | 33.955 | -116.4466667 | 6 | 3.38 | ci3356639 |
| 1948-12-05T05:20:51.110Z | 33.8941667 | -116.3573333 | 6 | 3.4 | ci3356637 |
| 1948-12-05T04:35:47.780Z | 33.9308333 | -116.3711667 | 6 | 3.1 | ci3356636 |
| 1948-12-05T03:27:03.910Z | 33.9248333 | -116.5045 | 6 | 3 | ci3356635 |
| 1948-12-05T02:21:23.500Z | 33.983 | -116.3726667 | 6 | 3.1 | ci3356943 |
| 1948-12-05T01:33:42.160Z | 33.907 | -116.3673333 | 6 | 3.4 | ci3356633 |
| 1948-12-05T01:16:29.860Z | 33.9206667 | -116.3895 | 6 | 3.5 | ci3356631 |
| 1948-12-05T01:06:25.790Z | 33.9485 | -116.4235 | 6 | 3.6 | ci3356629 |
| 1948-12-05T00:50:57.770Z | 33.9505 | -116.5135 | 6 | 4.21 | ci3356628 |
| 1948-12-05T00:46:20.350Z | 33.967 | -116.4946667 | 6 | 3.51 | ci3356627 |
| 1948-12-05T00:42:34.860Z | 33.9698333 | -116.4058333 | 6 | 4.48 | ci3356626 |
| 1948-12-05T00:40:31.490Z | 33.7578333 | -116.3683333 | 6 | 3.97 | ci3356625 |
| 1948-12-05T00:27:00.000Z | 33.95 | -116.558 | 6 | 3.1 | ci10085830 |
| 1948-12-05T00:10:00.000Z | 33.95 | -116.558 | 6 | 3.1 | ci10085826 |
| 1948-12-05T00:07:20.600Z | 33.9216667 | -116.3653333 | 6 | 4.73 | ci3356624 |
| 1948-12-05T00:03:00.000Z | 33.95 | -116.558 | 6 | 3.4 | ci10085822 |
| 1948-12-04T23:58:40.150Z | 33.757 | -116.4715 | 6 | 3.63 | ci3356623 |
| 1948-12-04T23:46:00.000Z | 33.95 | -116.558 | 6 | 3.9 | ci10085818 |
| 1948-12-04T23:43:16.410Z | 33.9833333 | -116.3308333 | 6 | 6 | ci9860350 |
| 1948-11-22T09:48:00.960Z | 33.0496667 | -116.3666667 | 6 | 3.17 | ci3356467 |
| 1948-11-12T00:24:59.630Z | 34.3216667 | -116.4355 | 6 | 3.54 | ci3356456 |
| 1948-10-29T23:59:07.270Z | 34.2475 | -117.1653333 | 6 | 3.26 | ci3357132 |
| 1948-10-11T23:02:06.020Z | 34.2743333 | -116.4638333 | 6 | 3.64 | ci3357117 |
| 1948-10-06T20:17:41.780Z | 33.8218333 | -117.3681667 | 0.25 | 3.01 | ci3357112 |
| 1948-10-01T14:04:25.430Z | 33.6133333 | -115.6501667 | 6 | 3.17 | ci12290375 |
| 1948-09-18T23:54:15.040Z | 34.0733333 | -116.4255 | 6 | 3.77 | ci3357523 |
| 1948-09-11T22:03:12.980Z | 33.9951667 | -116.7196667 | 6 | 3.03 | ci3357517 |
| 1948-08-16T15:39:18.780Z | 33.9653333 | -116.3921667 | 6 | 3.04 | ci3357487 |
| 1948-07-30T17:24:54.310Z | 34.2713333 | -116.7648333 | 6 | 3.46 | ci3357460 |
| 1948-07-27T20:01:54.730Z | 33.548 | -116.8418333 | 6.3 | 3.19 | ci3357596 |
| 1948-07-04T18:51:10.340Z | 33.0875 | -115.8438333 | 6 | 3.31 | ci3357573 |
| 1948-07-04T18:44:23.110Z | 33.0501667 | -115.8763333 | 6 | 3.78 | ci3357570 |
| 1948-06-24T03:43:53.300Z | 33.0351667 | -116.2976667 | 6 | 3.1 | ci3357555 |
| 1948-06-20T21:29:49.950Z | 33.4138333 | -116.4505 | 0.89 | 3.34 | ci3357552 |
| 1948-05-27T23:23:21.150Z | 33.8053333 | -116.2958333 | 6 | 3.07 | ci3357661 |
| 1948-05-26T05:20:29.760Z | 33.2123333 | -116.2428333 | 6 | 3.44 | ci3357652 |
| 1948-05-05T17:19:55.130Z | 34.2311667 | -116.377 | 6 | 3.46 | ci3357643 |
| 1948-04-29T21:45:00.800Z | 33.9471667 | -116.7323333 | 6 | 3.3 | ci3357666 |
| 1948-04-18T02:12:58.530Z | 33.2365 | -116.2803333 | 6 | 3 | ci3357624 |
| 1948-03-30T16:25:36.720Z | 34.1045 | -116.7715 | 6 | 3.3 | ci3357604 |
| 1948-03-07T12:42:49.040Z | 33.1818333 | -116.6008333 | 6 | 3.15 | ci3357703 |

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|---|---|---|---|---|---|
| 1948-02-28T17:24:44.620Z | 34.0705 | -116.2091667 | 6 | 3.44 | ci3357809 |
| 1948-02-10T22:24:33.060Z | 33.6831667 | -116.1075 | 6 | 3.74 | ci3357796 |
| 1948-01-06T21:09:42.560Z | 33.712 | -116.1201667 | 6 | 3.24 | ci3357895 |
| 1948-01-05T17:55:06.860Z | 33.3208333 | -116.4276667 | 1.58 | 3.36 | ci3357930 |
| 1947-11-27T07:52:25.860Z | 33.9668333 | -116.4288333 | 6 | 3.36 | ci3357958 |
| 1947-11-14T17:12:35.030Z | 34.0263333 | -116.4751667 | 6 | 3.03 | ci3358063 |
| 1947-11-10T02:22:56.360Z | 34.4985 | -116.526 | 6 | 4.3 | ci3358054 |
| 1947-11-08T03:02:08.950Z | 34.0046667 | -117.1971667 | 6 | 3.05 | ci3358050 |
| 1947-11-06T09:39:05.640Z | 34.0746667 | -116.389 | 6 | 3.05 | ci3358080 |
| 1947-10-25T19:20:37.210Z | 34.4973333 | -117.0418333 | 6 | 3.15 | ci3358025 |
| 1947-10-21T02:15:48.680Z | 34.1891667 | -116.389 | 6 | 3.04 | ci10085798 |
| 1947-10-13T14:06:49.220Z | 33.922 | -116.6995 | 6 | 3.27 | ci3358009 |
| 1947-09-01T02:26:16.130Z | 34.2951667 | -116.6403333 | 6 | 3.2 | ci3358127 |
| 1947-08-29T19:09:50.100Z | 34.2628333 | -116.7138333 | 6 | 3.2 | ci3358121 |
| 1947-08-28T07:59:39.300Z | 33.7718333 | -116.809 | 7.4 | 3.08 | ci3358118 |
| 1947-08-12T21:05:17.740Z | 34.026 | -116.3173333 | 6 | 3.22 | ci3358105 |
| 1947-08-12T02:06:25.220Z | 33.936 | -116.5065 | 6 | 3.14 | ci3358103 |
| 1947-08-09T09:28:10.930Z | 33.9813333 | -116.4265 | 6 | 3.01 | ci3358206 |
| 1947-08-08T06:47:45.650Z | 34.0451667 | -116.4651667 | 6 | 3.68 | ci3358097 |
| 1947-08-08T04:51:07.070Z | 34.0301667 | -116.5501667 | 6 | 3.1 | ci3358096 |
| 1947-08-07T08:51:05.580Z | 34.0528333 | -116.5545 | 6 | 3.06 | ci3358324 |
| 1947-08-02T21:24:52.290Z | 34.0626667 | -116.4121667 | 6 | 3.19 | ci3358319 |
| 1947-08-02T03:22:41.700Z | 34.0206667 | -116.5261667 | 6 | 3.04 | ci3358318 |
| 1947-08-02T01:23:05.410Z | 34.0448333 | -116.4246667 | 6 | 3.06 | ci3358317 |
| 1947-08-01T17:01:37.450Z | 34.0496667 | -116.4388333 | 6 | 3.67 | ci3358315 |
| 1947-08-01T14:20:50.090Z | 34.0343333 | -116.4135 | 6 | 3.15 | ci3358313 |
| 1947-08-01T00:29:49.330Z | 34.0845 | -116.3836667 | 6 | 3.24 | ci3358311 |
| 1947-07-31T01:59:49.880Z | 34.0371667 | -116.4755 | 6 | 3.21 | ci3358309 |
| 1947-07-30T05:22:18.490Z | 34.0111667 | -116.4926667 | 6 | 3.99 | ci3358308 |
| 1947-07-30T03:58:13.490Z | 33.984 | -116.46 | 6 | 3.28 | ci3358306 |
| 1947-07-29T16:57:01.240Z | 34.0335 | -116.4701667 | 6 | 3.06 | ci3358305 |
| 1947-07-29T16:36:16.930Z | 33.9925 | -116.5258333 | 6 | 3.84 | ci3358325 |
| 1947-07-29T16:34:59.460Z | 34.0541667 | -116.4145 | 6 | 3.22 | ci3358303 |
| 1947-07-28T18:33:31.670Z | 34.05 | -116.4193333 | 6 | 3.26 | ci3358300 |
| 1947-07-27T11:53:58.860Z | 34.0528333 | -116.4781667 | 6 | 3.21 | ci3358286 |
| 1947-07-27T10:31:53.720Z | 34.0353333 | -116.438 | 6 | 3.43 | ci3358285 |
| 1947-07-27T00:14:50.850Z | 34.0621667 | -116.5066667 | 6 | 3.06 | ci3358283 |
| 1947-07-26T23:19:43.940Z | 34.0788333 | -116.5538333 | 6 | 3.32 | ci3358282 |
| 1947-07-26T23:13:51.750Z | 34.0525 | -116.4836667 | 6 | 3.88 | ci3358280 |
| 1947-07-26T23:10:57.870Z | 34.0433333 | -116.512 | 6 | 3.37 | ci3358279 |
| 1947-07-26T23:04:26.010Z | 34.0488333 | -116.5043333 | 6 | 4.25 | ci3358278 |
| 1947-07-26T05:01:09.340Z | 34.0173333 | -116.4205 | 6 | 3.35 | ci3358274 |
| 1947-07-26T04:48:19.190Z | 34.0116667 | -116.3825 | 6 | 3.6 | ci3358271 |

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|---|---|---|---|---|---|
| 1947-07-26T02:49:42.460Z | 33.9871667 | -116.504 | 6 | 4.95 | ci3358272 |
| 1947-07-26T01:24:14.930Z | 33.9468333 | -116.4493333 | 6 | 4.02 | ci3358270 |
| 1947-07-25T16:52:12.370Z | 34.05 | -116.4691667 | 6 | 3.49 | ci3358266 |
| 1947-07-25T16:14:53.050Z | 34.0483333 | -116.4721667 | 6 | 4.27 | ci3358265 |
| 1947-07-25T10:17:04.780Z | 34.032 | -116.448 | 6 | 3.03 | ci3358264 |
| 1947-07-25T08:19:41.130Z | 34.0025 | -116.408 | 6 | 3.03 | ci3358263 |
| 1947-07-25T07:57:30.700Z | 33.9946667 | -116.4398333 | 6 | 3.91 | ci3358261 |
| 1947-07-25T07:22:52.000Z | 33.9955 | -116.5426667 | 6 | 3.12 | ci3358260 |
| 1947-07-25T06:37:18.960Z | 34.0215 | -116.467 | 6 | 3.02 | ci3358259 |
| 1947-07-25T06:35:44.440Z | 34.0291667 | -116.4346667 | 6 | 3.01 | ci3358258 |
| 1947-07-25T06:19:49.500Z | 34.03 | -116.4063333 | 6 | 5.24 | ci3358256 |
| 1947-07-25T05:17:52.810Z | 34.0016667 | -116.4626667 | 6 | 3.91 | ci3358257 |
| 1947-07-25T03:28:23.270Z | 34.0203333 | -116.4045 | 6 | 3.44 | ci10085738 |
| 1947-07-25T03:21:51.440Z | 34.0026667 | -116.4425 | 6 | 3.6 | ci3358244 |
| 1947-07-25T03:12:01.870Z | 34.0093333 | -116.4398333 | 6 | 3.6 | ci3358242 |
| 1947-07-25T03:09:36.110Z | 33.9813333 | -116.5403333 | 6 | 3.11 | ci3358760 |
| 1947-07-25T03:06:54.570Z | 33.993 | -116.4178333 | 6 | 3.44 | ci3358327 |
| 1947-07-25T01:56:47.870Z | 34.0083333 | -116.4581667 | 6 | 4.33 | ci3358326 |
| 1947-07-25T00:46:30.670Z | 34.064 | -116.4153333 | 6 | 4.82 | ci3358709 |
| 1947-07-24T22:54:28.120Z | 33.9101667 | -116.5166667 | 6 | 4.69 | ci3358700 |
| 1947-07-24T22:53:41.620Z | 34.0013333 | -116.4338333 | 6 | 4.05 | ci3358698 |
| 1947-07-24T22:45:00.680Z | 34.0653333 | -116.4293333 | 6 | 3.02 | ci3358696 |
| 1947-07-24T22:10:46.820Z | 33.9936667 | -116.481 | 6 | 5.3 | ci3358693 |
| 1947-07-24T18:30:20.140Z | 33.9858333 | -116.2681667 | 6 | 3.41 | ci3358688 |
| 1947-07-22T03:28:23.270Z | 34.0205 | -116.4046667 | 6 | 3.44 | ci3358330 |
| 1947-06-23T16:05:24.250Z | 34.2321667 | -117.159 | 6 | 3.6 | ci3358585 |
| 1947-06-17T23:32:42.990Z | 33.942 | -116.4041667 | 6 | 3.51 | ci3358576 |
| 1947-06-03T16:19:41.710Z | 34.0916667 | -116.5166667 | 6 | 3.13 | ci3358554 |
| 1947-05-23T11:58:16.970Z | 33.1228333 | -116.449 | 6 | 3.44 | ci3358536 |
| 1947-05-19T05:28:12.810Z | 33.3835 | -116.9721667 | 5.53 | 3.39 | ci3358519 |
| 1947-05-11T05:06:20.940Z | 34.3063333 | -116.1921667 | 6 | 4.66 | ci3358488 |
| 1947-05-06T08:45:51.200Z | 34.2838333 | -116.2665 | 6 | 3.11 | ci3358467 |
| 1947-04-21T06:08:20.550Z | 33.2631667 | -116.2073333 | 6 | 3.24 | ci3358418 |
| 1947-03-04T04:31:18.470Z | 33.9246667 | -116.3975 | 6 | 3.08 | ci3358898 |
| 1947-01-30T11:03:36.150Z | 33.9775 | -116.7583333 | 6 | 3.36 | ci3358838 |
| 1947-01-22T12:12:47.480Z | 33.1196667 | -116.238 | 6 | 3.15 | ci3358833 |
| 1946-12-02T13:38:50.820Z | 33.9481667 | -116.6111667 | 6 | 3.37 | ci3359230 |
| 1946-11-17T23:54:09.780Z | 33.1758333 | -116.0038333 | 6 | 3.46 | ci3359182 |
| 1946-11-17T19:39:34.320Z | 33.1566667 | -115.8951667 | 6 | 3.22 | ci3359180 |
| 1946-11-10T05:12:12.230Z | 33.1715 | -116.4015 | 6 | 3.23 | ci3359166 |
| 1946-10-28T22:02:38.870Z | 33.417 | -116.8466667 | 16.44 | 3.55 | ci3359144 |
| 1946-09-28T07:19:10.420Z | 33.9346667 | -116.8668333 | 12.81 | 4.87 | ci3359589 |
| 1946-08-30T21:47:36.910Z | 33.0538333 | -115.8496667 | 6 | 3.53 | ci3359562 |

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|---|---|---|---|---|---|
| 1946-08-30T11:11:20.630Z | 33.111 | -115.7311667 | 6 | 3.44 | ci3359542 |
| 1946-08-22T22:21:03.400Z | 33.9601667 | -115.8283333 | 6 | 3.21 | ci3359527 |
| 1946-08-22T20:26:17.380Z | 33.9305 | -115.7896667 | 6 | 3.19 | ci3359526 |
| 1946-08-18T02:09:58.610Z | 33.5578333 | -116.0386667 | 6 | 3.39 | ci3359539 |
| 1946-08-15T19:01:11.120Z | 33.8445 | -116.3408333 | 6 | 3.73 | ci3359489 |
| 1946-08-14T10:00:59.570Z | 34.5133333 | -116.0586667 | 6 | 3.17 | ci3359538 |
| 1946-08-08T00:56:48.000Z | 33.0718333 | -116.4596667 | 6 | 3.12 | ci3359442 |
| 1946-07-27T11:14:05.140Z | 33.8526667 | -115.9623333 | 6 | 3.09 | ci3359725 |
| 1946-07-26T17:08:41.500Z | 33.1476667 | -116.554 | 1 | 3 | ci3359723 |
| 1946-07-19T13:34:04.720Z | 34.455 | -115.9578333 | 6 | 3.06 | ci3359738 |
| 1946-07-19T05:04:43.690Z | 34.3301667 | -115.9128333 | 6 | 3.25 | ci3359697 |
| 1946-07-18T14:27:57.990Z | 34.5016667 | -115.9148333 | 6 | 5.51 | ci3359696 |
| 1946-07-11T13:24:42.340Z | 33.898 | -115.727 | 6 | 3.62 | ci3359686 |
| 1946-07-06T17:33:22.540Z | 33.881 | -115.8705 | 6 | 3.04 | ci3359680 |
| 1946-07-06T01:50:17.550Z | 33.9635 | -115.729 | 6 | 3.51 | ci3359678 |
| 1946-07-05T17:23:28.690Z | 34.0085 | -115.6643333 | 6 | 3.15 | ci3359676 |
| 1946-07-05T13:16:21.370Z | 34.0416667 | -115.8933333 | 6 | 3.51 | ci3359672 |
| 1946-07-05T11:15:30.480Z | 33.9746667 | -115.7668333 | 6 | 3.24 | ci3359671 |
| 1946-07-03T00:16:45.230Z | 34.217 | -116.303 | 6 | 3.36 | ci3359664 |
| 1946-07-01T04:25:26.390Z | 33.9193333 | -115.8646667 | 6 | 3.05 | ci3359658 |
| 1946-06-27T03:16:37.320Z | 33.8601667 | -117.3628333 | 6.76 | 3.47 | ci3359654 |
| 1946-06-23T02:42:10.840Z | 34.1151667 | -116.7051667 | 6 | 3.03 | ci3359644 |
| 1946-06-18T10:40:42.110Z | 33.9055 | -115.7913333 | 6 | 3.36 | ci3359640 |
| 1946-06-09T14:39:51.420Z | 33.9701667 | -116.7861667 | 6 | 3.16 | ci3359631 |
| 1946-06-04T17:19:17.810Z | 33.9065 | -115.841 | 6 | 3.42 | ci3359627 |
| 1946-06-04T14:48:24.670Z | 33.936 | -115.7673333 | 6 | 3.72 | ci3359626 |
| 1946-06-04T12:05:26.660Z | 33.9861667 | -115.7035 | 6 | 4.7 | ci3359625 |
| 1946-05-12T18:19:06.940Z | 33.9468333 | -117.2261667 | 5.7 | 3.27 | ci3360100 |
| 1946-05-12T04:42:12.200Z | 33.9996667 | -116.1203333 | 6 | 3.08 | ci3360099 |
| 1946-05-12T02:46:50.010Z | 34.0108333 | -116.1608333 | 6 | 3.17 | ci3360098 |
| 1946-05-09T00:14:00.140Z | 33.892 | -117.2893333 | 6 | 3.51 | ci3360094 |
| 1946-05-08T18:40:13.440Z | 34.3296667 | -117.0095 | 6 | 3.07 | ci3360093 |
| 1946-05-01T07:37:48.620Z | 33.9455 | -115.7498333 | 6 | 3.08 | ci3360085 |
| 1946-04-30T05:08:56.640Z | 33.9586667 | -115.7961667 | 6 | 3.3 | ci3360084 |
| 1946-04-28T17:31:23.950Z | 34.0063333 | -115.6683333 | 6 | 4.19 | ci3360090 |
| 1946-04-28T03:55:31.810Z | 34.0153333 | -116.7166667 | 6 | 3.18 | ci3360080 |
| 1946-04-27T17:07:50.170Z | 33.9736667 | -115.6538333 | 6 | 3.21 | ci3360077 |
| 1946-04-19T15:55:14.440Z | 33.9585 | -117.2295 | 15.52 | 3.23 | ci3360060 |
| 1946-04-16T02:28:29.990Z | 34.4626667 | -116.3253333 | 6 | 3.04 | ci3360053 |
| 1946-04-15T01:58:25.370Z | 34.0875 | -116.3691667 | 6 | 3.44 | ci3360051 |
| 1946-03-31T13:52:19.370Z | 33.3366667 | -116.4423333 | 0.76 | 3.28 | ci3359871 |
| 1946-03-30T22:40:47.910Z | 34.4471667 | -116.7208333 | 6 | 3.09 | ci3359868 |
| 1946-02-20T09:48:37.770Z | 33.1793333 | -116.0185 | 6 | 3 | ci3360162 |

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|---|---|---|---|---|---|
| 1946-02-05T16:05:18.620Z | 33.4633333 | -116.4986667 | 1.14 | 3.16 | ci3360151 |
| 1946-02-05T16:04:34.610Z | 33.4763333 | -116.4865 | 2.16 | 3.35 | ci3360149 |
| 1946-01-08T18:54:19.630Z | 33.1111667 | -116.0008333 | 6 | 5.33 | ci3360124 |
| 1945-11-15T02:56:31.880Z | 33.2328333 | -116.2158333 | 6 | 3.5 | ci3360316 |
| 1945-11-08T13:06:53.910Z | 33.9265 | -117.3138333 | 15.77 | 3.21 | ci3360306 |
| 1945-11-08T11:19:27.420Z | 34.0495 | -117.2105 | 15.87 | 3.46 | ci3360305 |
| 1945-10-31T20:41:55.200Z | 34.1831667 | -117.2066667 | 1.58 | 3.53 | ci3360302 |
| 1945-10-03T04:26:57.950Z | 33.9715 | -116.374 | 6 | 3.07 | ci3360292 |
| 1945-10-02T02:20:31.090Z | 33.1423333 | -116.1851667 | 6 | 3.12 | ci3360291 |
| 1945-09-22T09:05:41.520Z | 33.5288333 | -116.8575 | 6.02 | 3.67 | ci3360288 |
| 1945-09-07T15:34:24.590Z | 33.992 | -116.765 | 6 | 4.24 | ci3360285 |
| 1945-08-31T11:11:41.350Z | 33.029 | -116.5048333 | 0.19 | 3.2 | ci3360568 |
| 1945-08-25T21:27:59.110Z | 33.8503333 | -116.9508333 | 0.07 | 3.21 | ci3360553 |
| 1945-08-19T07:16:23.390Z | 32.9606667 | -116.4186667 | 6 | 3.26 | ci3360537 |
| 1945-08-16T02:53:55.970Z | 33.2125 | -116.1498333 | 6 | 3.09 | ci3360519 |
| 1945-08-15T21:02:13.480Z | 33.059 | -116.0601667 | 6 | 3.1 | ci3360512 |
| 1945-08-15T18:43:55.800Z | 33.2133333 | -116.1053333 | 6 | 3.5 | ci3360499 |
| 1945-08-15T18:41:02.630Z | 33.1763333 | -116.1348333 | 6 | 3.1 | ci10084866 |
| 1945-07-23T04:26:29.120Z | 34.4015 | -116.5956667 | 6 | 3.41 | ci3360380 |
| 1945-07-09T13:53:01.210Z | 33.455 | -116.5125 | 6 | 3.27 | ci3360374 |
| 1945-06-29T02:36:49.990Z | 33.3935 | -115.971 | 6 | 3.06 | ci3360370 |
| 1945-06-17T09:03:19.530Z | 34.0385 | -116.9946667 | 12.62 | 3.27 | ci3360587 |
| 1945-06-01T21:20:16.890Z | 33.1905 | -116.1295 | 0.05 | 3.33 | ci3360352 |
| 1945-05-16T15:34:37.660Z | 33.198 | -116.1066667 | 6 | 3.12 | ci3360965 |
| 1945-05-13T01:12:00.170Z | 34.3938333 | -116.8186667 | 6 | 3.18 | ci3360962 |
| 1945-05-06T10:45:58.770Z | 33.8765 | -115.9995 | 0.01 | 3 | ci3360959 |
| 1945-04-18T04:58:03.800Z | 34.364 | -116.972 | 6 | 4.27 | ci3360925 |
| 1945-04-08T09:54:40.060Z | 33.0976667 | -116.1651667 | 6 | 3.09 | ci3360916 |
| 1945-04-06T15:46:45.840Z | 34.0013333 | -116.7566667 | 6 | 3.44 | ci3360913 |
| 1945-03-29T17:53:17.830Z | 34.2631667 | -116.3118333 | 6 | 3.63 | ci3360907 |
| 1945-03-29T04:04:20.680Z | 34.151 | -116.233 | 6 | 4.14 | ci3360905 |
| 1945-03-27T18:41:53.820Z | 34.1635 | -116.9341667 | 10.56 | 3.38 | ci10084826 |
| 1945-03-27T07:31:31.380Z | 34.0901667 | -117.111 | 5.3 | 3.08 | ci3360738 |
| 1945-03-20T21:55:08.220Z | 34.2381667 | -116.1415 | 6 | 4.87 | ci3360727 |
| 1945-03-11T00:20:04.300Z | 33.8736667 | -116.2226667 | 6 | 3.66 | ci3360707 |
| 1945-03-11T00:01:33.320Z | 33.8581667 | -116.17 | 6 | 3.15 | ci10084818 |
| 1945-02-23T11:59:42.800Z | 33.7015 | -116.9023333 | 6 | 3.22 | ci3360599 |
| 1945-01-30T22:04:28.400Z | 33.5355 | -116.555 | 5.39 | 3.11 | ci3361051 |
| 1945-01-30T09:38:55.940Z | 33.1158333 | -116.1821667 | 6 | 3.64 | ci3361050 |
| 1945-01-28T14:09:36.790Z | 33.7828333 | -116.1818333 | 6 | 3 | ci3361049 |
| 1945-01-26T04:23:56.160Z | 34.2471667 | -117.1555 | 1.26 | 3.37 | ci10084806 |
| 1945-01-23T21:34:13.140Z | 33.419 | -116.8436667 | 16.1 | 3.22 | ci3361044 |
| 1944-12-16T15:01:10.870Z | 33.4816667 | -116.6023333 | 4.44 | 3.12 | ci3360991 |

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|---|---|---|---|---|---|
| 1944-10-29T07:13:07.700Z | 34.011 | -116.4005 | 6 | 3.05 | ci3362609 |
| 1944-10-28T18:30:17.220Z | 34.0153333 | -116.7566667 | 6 | 4.22 | ci3362597 |
| 1944-10-26T22:54:15.760Z | 33.2828333 | -116.3411667 | 6 | 4.02 | ci3363015 |
| 1944-10-26T22:14:42.660Z | 33.1123333 | -116.2125 | 6 | 3.58 | ci3363004 |
| 1944-10-24T07:53:17.610Z | 34.0885 | -116.3828333 | 6 | 3.52 | ci3363003 |
| 1944-10-12T15:27:17.210Z | 33.9398333 | -115.8115 | 6 | 3.5 | ci3362804 |
| 1944-09-24T15:13:42.060Z | 33.1968333 | -116.155 | 6 | 3.55 | ci3364315 |
| 1944-09-20T14:12:22.200Z | 34.0146667 | -116.6985 | 6 | 3.47 | ci3364149 |
| 1944-09-18T19:45:12.240Z | 33.8285 | -115.7481667 | 6 | 3.23 | ci3364147 |
| 1944-09-12T17:54:29.940Z | 34.052 | -117.377 | 0 | 3.02 | ci3363666 |
| 1944-09-04T12:55:32.070Z | 33.2676667 | -116.2476667 | 6 | 3.83 | ci3363639 |
| 1944-08-25T07:38:12.280Z | 33.9448333 | -116.6828333 | 6 | 3.03 | ci3366622 |
| 1944-08-25T07:30:25.790Z | 33.8715 | -116.7311667 | 6 | 4.04 | ci3366619 |
| 1944-08-20T11:33:12.720Z | 32.9825 | -116.0641667 | 6 | 3.79 | ci3366613 |
| 1944-08-17T02:52:42.010Z | 34.2905 | -117.1523333 | 3 | 3.14 | ci3366612 |
| 1944-07-26T09:11:53.020Z | 33.9951667 | -116.2725 | 6 | 3.6 | ci3366601 |
| 1944-07-23T12:45:16.770Z | 33.2236667 | -116.1431667 | 6 | 3.27 | ci3366599 |
| 1944-07-22T02:02:55.920Z | 33.4841667 | -116.7783333 | 5.43 | 3.58 | ci3366597 |
| 1944-07-19T21:58:10.410Z | 33.4986667 | -116.5005 | 6 | 3.31 | ci3366595 |
| 1944-07-01T10:53:59.150Z | 33.9636667 | -116.7268333 | 6 | 3.61 | ci3366586 |
| 1944-06-30T03:04:44.220Z | 33.9523333 | -116.6905 | 6 | 3.19 | ci3366585 |
| 1944-06-28T10:19:50.590Z | 33.9811667 | -116.6718333 | 6 | 3.28 | ci3366584 |
| 1944-06-28T06:55:17.390Z | 33.9995 | -116.7885 | 6 | 3.39 | ci3366583 |
| 1944-06-27T16:34:50.320Z | 34.0395 | -116.7556667 | 6 | 3.16 | ci3366582 |
| 1944-06-25T00:50:21.820Z | 33.7006667 | -116.74 | 18 | 3.11 | ci3366580 |
| 1944-06-23T21:28:42.610Z | 33.9958333 | -116.7173333 | 6 | 3.44 | ci3366579 |
| 1944-06-20T13:42:22.630Z | 33.9886667 | -116.7523333 | 6 | 3.1 | ci3366577 |
| 1944-06-17T23:41:03.660Z | 33.9561667 | -116.7421667 | 6 | 3.2 | ci3366568 |
| 1944-06-16T02:12:03.620Z | 34.2073333 | -116.3933333 | 6 | 3.17 | ci3366566 |
| 1944-06-15T20:44:23.400Z | 33.9783333 | -116.73 | 6 | 3.72 | ci3366565 |
| 1944-06-14T09:46:31.850Z | 33.9911667 | -116.6885 | 6 | 3.36 | ci3366564 |
| 1944-06-14T03:31:49.810Z | 33.9661667 | -116.7341667 | 6 | 3.27 | ci3366563 |
| 1944-06-14T01:20:44.430Z | 33.9703333 | -116.7025 | 6 | 3.34 | ci3366562 |
| 1944-06-14T00:04:35.430Z | 33.997 | -116.6881667 | 6 | 3.82 | ci3366561 |
| 1944-06-13T18:37:05.730Z | 34.0173333 | -116.7108333 | 6 | 3.19 | ci3366560 |
| 1944-06-13T17:30:14.460Z | 33.9818333 | -116.7196667 | 6 | 3.56 | ci3366559 |
| 1944-06-13T13:20:48.940Z | 33.9903333 | -116.7393333 | 6 | 3.08 | ci3366558 |
| 1944-06-13T00:19:27.900Z | 33.9821667 | -116.6976667 | 6 | 3.58 | ci3366553 |
| 1944-06-12T22:21:19.260Z | 33.9838333 | -116.6816667 | 6 | 4.04 | ci3366552 |
| 1944-06-12T20:22:58.120Z | 33.9656667 | -116.713 | 6 | 3.51 | ci3366551 |
| 1944-06-12T14:43:20.200Z | 33.981 | -116.7006667 | 6 | 3.38 | ci3366550 |
| 1944-06-12T13:45:27.430Z | 33.9501667 | -116.7473333 | 6 | 3.67 | ci3366549 |
| 1944-06-12T11:48:47.120Z | 33.9611667 | -116.7303333 | 6 | 3.32 | ci3366548 |

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|---|---|---|---|---|---|
| 1944-06-12T11:39:09.490Z | 33.9616667 | -116.7301667 | 6 | 3.5 | ci3366547 |
| 1944-06-12T11:16:35.810Z | 34.0015 | -116.6988333 | 6 | 5.24 | ci3366546 |
| 1944-06-12T11:13:46.440Z | 33.97 | -116.7383333 | 6 | 3.38 | ci3366545 |
| 1944-06-12T10:50:56.000Z | 33.9836667 | -116.7156667 | 6 | 3.5 | ci3366544 |
| 1944-06-12T10:45:34.680Z | 33.989 | -116.7311667 | 6 | 5.06 | ci3366543 |
| 1944-06-10T11:26:12.040Z | 33.9995 | -116.7681667 | 6 | 3.08 | ci3366540 |
| 1944-06-10T11:15:32.400Z | 33.977 | -116.7915 | 6 | 3.95 | ci3366539 |
| 1944-06-10T11:11:50.450Z | 33.9916667 | -116.7831667 | 6 | 4.41 | ci3366538 |
| 1944-05-06T01:44:02.290Z | 34.0326667 | -116.4406667 | 6 | 3.02 | ci3366523 |
| 1944-05-05T13:47:17.160Z | 34.0293333 | -116.446 | 6 | 3.83 | ci3366522 |
| 1944-05-05T13:45:39.220Z | 34.0246667 | -116.4386667 | 6 | 3.53 | ci3366521 |
| 1944-04-20T17:04:49.070Z | 34.0558333 | -115.797 | 6 | 3.33 | ci3366515 |
| 1944-04-01T10:44:17.610Z | 34.0485 | -115.7595 | 6 | 3.27 | ci3366508 |
| 1944-04-01T10:16:13.180Z | 33.9488333 | -115.7138333 | 6 | 3.55 | ci3366507 |
| 1944-03-30T09:17:24.370Z | 34.0135 | -115.7426667 | 6 | 3.68 | ci3366505 |
| 1944-03-22T08:09:00.750Z | 34.0468333 | -116.3763333 | 6 | 3.14 | ci3366501 |
| 1944-03-16T07:08:12.810Z | 33.9626667 | -116.69 | 6 | 3.11 | ci3366498 |
| 1944-03-16T07:07:48.650Z | 33.9486667 | -116.6643333 | 6 | 3.16 | ci3366497 |
| 1944-03-09T08:58:23.880Z | 34.0566667 | -115.896 | 6 | 3.09 | ci3366496 |
| 1944-03-09T08:41:54.320Z | 33.8758333 | -115.7795 | 6 | 3.22 | ci3366495 |
| 1944-03-07T03:50:27.870Z | 33.8938333 | -115.8741667 | 6 | 3.41 | ci3366494 |
| 1944-01-16T07:00:36.230Z | 34.2885 | -117.0728333 | 6 | 3.06 | ci3366469 |
| 1944-01-06T03:47:48.600Z | 33.756 | -116.1338333 | 6 | 3.01 | ci3366467 |
| 1943-12-29T15:46:33.120Z | 33.482 | -116.5036667 | 6 | 3.06 | ci3366462 |
| 1943-12-26T03:14:47.110Z | 33.0483333 | -116.4013333 | 6 | 3.15 | ci3366461 |
| 1943-12-22T15:50:28.600Z | 34.3698333 | -115.8185 | 6 | 5.11 | ci3366459 |
| 1943-12-08T18:29:10.850Z | 33.9615 | -116.6676667 | 6 | 3.01 | ci3366453 |
| 1943-11-22T00:39:52.920Z | 34.1635 | -117.04 | 6 | 3.25 | ci3366444 |
| 1943-11-17T11:28:41.890Z | 34.0378333 | -116.6718333 | 6 | 4.4 | ci3366443 |
| 1943-11-16T18:09:09.000Z | 32.9666667 | -116 | 6 | 4 | ci10086922 |
| 1943-11-16T18:08:44.800Z | 32.9258333 | -116.1033333 | 6 | 3.61 | ci3366441 |
| 1943-11-04T23:38:19.510Z | 33.1738333 | -116.1091667 | 6 | 3.53 | ci3366434 |
| 1943-11-02T22:54:25.580Z | 33.0348333 | -116.0335 | 6 | 3.23 | ci3366431 |
| 1943-11-02T18:01:40.870Z | 32.967 | -116 | 6 | 3.78 | ci3366429 |
| 1943-11-02T18:01:17.730Z | 32.9523333 | -116.1065 | 6 | 3.47 | ci3366430 |
| 1943-11-02T17:53:07.790Z | 32.9893333 | -116.0986667 | 6 | 4 | ci3366428 |
| 1943-11-02T16:57:18.340Z | 33 | -116 | 6 | 3.85 | ci3366425 |
| 1943-11-02T16:56:07.430Z | 33.0475 | -116.1673333 | 6 | 3.11 | ci3366424 |
| 1943-10-31T13:12:10.390Z | 33.8041667 | -116.1465 | 6 | 4.26 | ci3366418 |
| 1943-10-28T14:11:05.220Z | 33.397 | -116.5048333 | 0.52 | 3.54 | ci3366413 |
| 1943-10-26T19:56:29.410Z | 33.4796667 | -116.3801667 | 6 | 3.17 | ci3366411 |
| 1943-10-24T00:29:20.820Z | 34.0115 | -117.2541667 | 14.54 | 3.87 | ci3366410 |
| 1943-10-15T16:58:55.860Z | 34.3956667 | -116.8148333 | 6 | 3 | ci3366405 |

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|---|---|---|---|---|---|
| 1943-10-15T16:50:02.480Z | 34.3628333 | -116.854 | 6 | 4.21 | ci12277739 |
| 1943-10-15T00:19:38.240Z | 34.379 | -116.8193333 | 6 | 3.4 | ci3366403 |
| 1943-10-14T14:28:44.700Z | 34.3641667 | -116.8496667 | 6 | 4.38 | ci3366402 |
| 1943-10-11T04:53:23.050Z | 33.9863333 | -116.6993333 | 6 | 3.51 | ci3366400 |
| 1943-09-29T06:36:07.630Z | 33.441 | -116.4405 | 6 | 3.31 | ci3366394 |
| 1943-08-31T14:59:19.330Z | 34.1763333 | -117.02 | 6.71 | 3.17 | ci3366376 |
| 1943-08-29T05:16:32.280Z | 34.1378333 | -117.0675 | 0.14 | 3.56 | ci3366375 |
| 1943-08-29T03:57:55.960Z | 34.208 | -116.99 | 6 | 4.04 | ci3366374 |
| 1943-08-29T03:45:14.310Z | 34.268 | -116.9678333 | 6 | 5.28 | ci3366373 |
| 1943-08-29T03:43:11.420Z | 34.1958333 | -117.0121667 | 6 | 3.44 | ci3366372 |
| 1943-08-17T15:51:00.750Z | 32.9671667 | -116.048 | 6 | 3.7 | ci3366367 |
| 1943-07-27T21:44:05.490Z | 33.8923333 | -116.8096667 | 6 | 3.03 | ci3366354 |
| 1943-07-22T05:04:40.670Z | 32.921 | -116.1193333 | 6 | 3.01 | ci3366351 |
| 1943-06-25T06:10:01.330Z | 33.0523333 | -115.9111667 | 6 | 3.36 | ci3366334 |
| 1943-06-18T16:15:50.070Z | 33.2118333 | -116.2623333 | 6 | 4.33 | ci3366330 |
| 1943-06-12T19:21:43.970Z | 33.1963333 | -116.1846667 | 6 | 3.81 | ci3366325 |
| 1943-06-11T13:28:13.830Z | 33.7988333 | -117.0615 | 0.11 | 3.44 | ci3366324 |
| 1943-06-07T08:23:24.740Z | 33.0196667 | -116.132 | 6 | 3.18 | ci3366322 |
| 1943-05-30T02:39:26.070Z | 33.1811667 | -116.5228333 | 6 | 3.39 | ci3366316 |
| 1943-04-30T15:52:59.410Z | 32.932 | -116.0776667 | 6 | 3.78 | ci3366295 |
| 1943-04-27T03:28:36.640Z | 32.9353333 | -116.1305 | 6 | 3.63 | ci3366293 |
| 1943-04-27T03:28:04.250Z | 32.9425 | -116.1245 | 6 | 3.47 | ci3366292 |
| 1943-04-20T22:43:47.040Z | 33.1195 | -116.028 | 6 | 3.16 | ci3366287 |
| 1943-04-14T08:47:46.570Z | 33.0085 | -116.1281667 | 6 | 3.03 | ci3366283 |
| 1943-04-08T10:49:11.670Z | 33.7583333 | -116.0036667 | 6 | 3.2 | ci3366280 |
| 1943-04-07T03:46:18.560Z | 32.9361667 | -116.1685 | 6 | 3.58 | ci3366279 |
| 1943-03-26T06:29:58.060Z | 33.0355 | -115.9565 | 6 | 3.69 | ci3366268 |
| 1943-03-18T23:06:21.880Z | 33.4903333 | -116.579 | 4.59 | 3.23 | ci3366266 |
| 1943-03-09T00:19:25.500Z | 33.139 | -116.3736667 | 6 | 3.06 | ci3366258 |
| 1943-03-03T13:05:34.820Z | 34.0365 | -115.9101667 | 6 | 3.14 | ci3366252 |
| 1943-03-03T07:29:10.550Z | 33.7821667 | -116.2333333 | 6 | 3.44 | ci3366250 |
| 1943-02-17T23:44:26.470Z | 33.2303333 | -115.7575 | 6 | 3.15 | ci3366237 |
| 1943-02-17T10:20:59.320Z | 33.1548333 | -116.6635 | 1.81 | 3.13 | ci3366236 |
| 1943-02-05T19:08:11.320Z | 33.0108333 | -116.1058333 | 6 | 3.33 | ci3366224 |
| 1943-01-08T01:24:08.640Z | 32.9951667 | -116.2323333 | 6 | 3.03 | ci3366208 |
| 1943-01-07T02:19:15.940Z | 33.1573333 | -116.282 | 6 | 3.06 | ci3366205 |
| 1943-01-02T23:49:17.810Z | 34.0158333 | -117.2236667 | 14.93 | 3.2 | ci3366198 |
| 1943-01-02T14:11:18.490Z | 33.4321667 | -116.3958333 | 6 | 4.43 | ci3366197 |
| 1942-12-29T19:10:16.940Z | 32.9855 | -116.1326667 | 6 | 3.2 | ci3366194 |
| 1942-12-23T07:43:12.280Z | 33.1911667 | -115.8911667 | 6 | 3.42 | ci3366191 |
| 1942-12-19T02:14:35.910Z | 33.119 | -115.9926667 | 6 | 3.26 | ci3366188 |
| 1942-12-12T17:49:37.940Z | 33.506 | -115.6343333 | 6 | 3.02 | ci3366184 |
| 1942-12-04T21:25:09.510Z | 34.245 | -116.285 | 6 | 3.1 | ci3366170 |

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|---|---|---|---|---|---|
| 1942-12-02T18:39:08.160Z | 33.2 | -116 | 6 | 3.33 | ci3366167 |
| 1942-11-27T23:12:27.920Z | 33.5521667 | -116.6866667 | 0.01 | 3.18 | ci3366163 |
| 1942-11-27T23:08:03.820Z | 34.0231667 | -116.509 | 6 | 3.27 | ci3366162 |
| 1942-11-20T07:00:27.770Z | 32.9568333 | -116.0808333 | 6 | 3.27 | ci3366155 |
| 1942-11-19T12:15:19.920Z | 33.236 | -116.4016667 | 6 | 3.42 | ci3366154 |
| 1942-11-10T00:53:54.600Z | 34.1533333 | -116.695 | 6 | 3.06 | ci3366149 |
| 1942-11-03T10:20:33.170Z | 34.4278333 | -116.5863333 | 6 | 3 | ci3366141 |
| 1942-11-02T05:31:11.200Z | 33.9861667 | -116.4883333 | 6 | 3.02 | ci3366136 |
| 1942-10-31T15:07:58.770Z | 32.9453333 | -116.3113333 | 6 | 3.98 | ci3366133 |
| 1942-10-30T05:35:49.790Z | 33.0448333 | -116.1521667 | 6 | 4.37 | ci3366131 |
| 1942-10-29T20:51:08.520Z | 33.0321667 | -116.1601667 | 6 | 4.14 | ci3366129 |
| 1942-10-29T17:35:58.170Z | 33.1253333 | -116.1276667 | 6 | 3.74 | ci3366127 |
| 1942-10-29T15:56:02.960Z | 33.0591667 | -116.0705 | 6 | 4.41 | ci3366124 |
| 1942-10-26T06:15:04.340Z | 33.2418333 | -115.6805 | 6 | 3.61 | ci3366122 |
| 1942-10-26T03:21:18.760Z | 33.1645 | -115.6858333 | 6 | 3.25 | ci3366120 |
| 1942-10-26T03:02:18.410Z | 33.2876667 | -115.8275 | 6 | 4.16 | ci3366119 |
| 1942-10-26T02:54:10.640Z | 33.1771667 | -115.6621667 | 6 | 3.31 | ci3366118 |
| 1942-10-25T18:59:40.560Z | 32.9251667 | -116.1443333 | 6 | 3.9 | ci3366117 |
| 1942-10-24T09:30:09.190Z | 33.1458333 | -115.6961667 | 6 | 3.41 | ci3366115 |
| 1942-10-22T12:55:52.400Z | 33.0488333 | -115.8145 | 6 | 3.7 | ci3366112 |
| 1942-10-22T12:36:06.120Z | 33.029 | -115.9748333 | 6 | 3.48 | ci3366111 |
| 1942-10-22T02:02:07.290Z | 33.3498333 | -115.4878333 | 6 | 4.42 | ci3366108 |
| 1942-10-22T01:50:37.080Z | 33.2661667 | -115.572 | 6 | 5.63 | ci3366107 |
| 1942-10-21T21:49:34.230Z | 32.909 | -116.307 | 6 | 4.1 | ci3366105 |
| 1942-10-21T16:34:42.650Z | 32.9618333 | -116.062 | 6 | 4.3 | ci3366102 |
| 1942-10-21T16:26:57.110Z | 32.9411667 | -116.0441667 | 6 | 4.5 | ci3366101 |
| 1942-10-17T05:59:38.070Z | 34.495 | -116.5011667 | 6 | 3.18 | ci3366097 |
| 1942-10-15T07:58:16.500Z | 34.5093333 | -116.5085 | 6 | 3.19 | ci3366095 |
| 1942-09-21T07:07:55.720Z | 33.5296667 | -116.7403333 | 1.41 | 3.64 | ci3366081 |
| 1942-09-20T16:14:07.660Z | 34.259 | -116.3681667 | 6 | 4.15 | ci3366079 |
| 1942-09-11T23:31:26.160Z | 33.1071667 | -115.9468333 | 6 | 3.48 | ci3366071 |
| 1942-09-05T22:38:29.330Z | 33.3753333 | -116.3623333 | 6 | 3.39 | ci3366069 |
| 1942-08-22T12:59:13.380Z | 34.058 | -116.7063333 | 6 | 3.99 | ci3366062 |
| 1942-08-20T06:30:36.810Z | 33.9355 | -116.3293333 | 6 | 3.36 | ci3366057 |
| 1942-08-16T01:12:50.300Z | 33.8936667 | -117.3406667 | 9.05 | 3.25 | ci3366053 |
| 1942-08-09T13:54:46.040Z | 34.2768333 | -116.3781667 | 6 | 3.55 | ci3366049 |
| 1942-08-07T01:53:15.880Z | 34.2431667 | -116.378 | 6 | 3.96 | ci3366047 |
| 1942-08-07T01:38:45.500Z | 34.2188333 | -116.3898333 | 6 | 3.3 | ci3366046 |
| 1942-08-07T01:23:59.820Z | 34.2416667 | -116.37 | 6 | 3.77 | ci3366045 |
| 1942-08-07T01:15:34.480Z | 34.2481667 | -116.3696667 | 6 | 4.62 | ci3366044 |
| 1942-07-24T14:16:12.700Z | 33.197 | -116.328 | 6 | 3.05 | ci3366041 |
| 1942-07-15T16:02:02.750Z | 34.0036667 | -117.1435 | 14.55 | 3.43 | ci3366038 |
| 1942-07-07T22:21:23.230Z | 33.8711667 | -116.6788333 | 6 | 3.07 | ci3366034 |

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|---|---|---|---|---|---|
| 1942-06-28T19:06:56.830Z | 34.3958333 | -116.4543333 | 6 | 3.18 | ci3366024 |
| 1942-06-24T23:52:44.010Z | 33.1885 | -116.038 | 6 | 3.85 | ci3366022 |
| 1942-06-14T22:25:53.240Z | 33.0963333 | -116.0436667 | 6 | 3.64 | ci3366015 |
| 1942-06-14T21:36:26.000Z | 33.1348333 | -115.9866667 | 6 | 3.6 | ci3366014 |
| 1942-06-13T04:14:04.160Z | 34.1928333 | -116.3703333 | 6 | 3.3 | ci3366013 |
| 1942-06-09T05:06:35.910Z | 33.3631667 | -116.3996667 | 11.62 | 4.05 | ci3366010 |
| 1942-05-23T15:47:33.780Z | 32.9945 | -116.2503333 | 6 | 4.87 | ci3365989 |
| 1942-05-22T15:18:31.330Z | 34.452 | -116.812 | 6 | 3.96 | ci3365980 |
| 1942-05-19T07:27:38.600Z | 33.5076667 | -116.5928333 | 2.77 | 3.25 | ci3365977 |
| 1942-05-08T17:08:05.360Z | 34.0335 | -115.893 | 6 | 3.28 | ci3365971 |
| 1942-04-29T12:12:59.920Z | 33.6003333 | -117.147 | 6 | 3.29 | ci3365964 |
| 1942-04-26T15:10:23.000Z | 34.0055 | -116.6363333 | 6 | 3.75 | ci3365961 |
| 1942-04-17T10:19:52.990Z | 33.7685 | -116.054 | 6 | 3.06 | ci3365954 |
| 1942-04-11T05:29:13.950Z | 33.8298333 | -115.8226667 | 6 | 3.3 | ci3365951 |
| 1942-04-05T09:19:38.300Z | 33.2138333 | -116.0275 | 6 | 3.96 | ci3365946 |
| 1942-03-27T01:06:49.860Z | 33.487 | -116.4626667 | 6 | 3.69 | ci3365939 |
| 1942-03-07T18:07:46.610Z | 33.7568333 | -115.8256667 | 6 | 3.07 | ci3365929 |
| 1942-03-05T10:02:02.940Z | 33.1883333 | -116.0638333 | 6 | 3.13 | ci3365926 |
| 1942-03-04T11:02:15.560Z | 33.635 | -115.9681667 | 6 | 3.96 | ci3365924 |
| 1942-03-03T01:03:25.850Z | 34.0011667 | -115.8466667 | 6 | 4.82 | ci3365922 |
| 1942-03-01T19:13:27.690Z | 33.5938333 | -116.0928333 | 6 | 3.23 | ci3365920 |
| 1942-03-01T10:46:32.380Z | 33.9638333 | -116.3038333 | 6 | 3.61 | ci3365918 |
| 1942-02-27T19:10:58.020Z | 33.8051667 | -116.1461667 | 6 | 3.12 | ci3365915 |
| 1942-02-27T01:08:57.830Z | 34.3531667 | -116.8515 | 6 | 4.03 | ci3365912 |
| 1942-02-13T10:26:08.620Z | 33.8113333 | -115.8533333 | 6 | 3.84 | ci3365908 |
| 1942-02-09T09:44:26.170Z | 34.4856667 | -116.795 | 6 | 3.02 | ci3365904 |
| 1942-02-09T00:46:57.320Z | 34.4695 | -116.767 | 6 | 3.04 | ci3365903 |
| 1942-02-07T00:12:53.660Z | 33.1333333 | -116.1163333 | 6 | 3.53 | ci3365902 |
| 1942-02-02T11:30:14.300Z | 34.4135 | -116.776 | 6 | 3.56 | ci3365895 |
| 1942-02-02T05:56:48.940Z | 34.4525 | -116.7928333 | 6 | 3.22 | ci3365894 |
| 1942-02-01T16:03:34.430Z | 34.4151667 | -116.7928333 | 6 | 4.39 | ci3365892 |
| 1942-02-01T15:18:28.790Z | 34.4188333 | -116.8128333 | 6 | 4.6 | ci3365890 |
| 1942-02-01T15:15:55.130Z | 34.4288333 | -116.7948333 | 6 | 3.54 | ci3365889 |
| 1942-01-31T08:05:18.090Z | 34.0796667 | -117.3266667 | 9.5 | 3.19 | ci3365887 |
| 1942-01-29T09:52:49.110Z | 34.246 | -116.3773333 | 6 | 3.05 | ci3365886 |
| 1942-01-25T21:51:33.180Z | 34.4265 | -116.783 | 6 | 3.67 | ci3365881 |
| 1942-01-25T16:09:33.530Z | 34.4888333 | -116.8305 | 6 | 3.3 | ci3365880 |
| 1942-01-21T14:30:47.150Z | 34.4426667 | -116.7818333 | 6 | 3.29 | ci3365875 |
| 1942-01-21T05:25:01.130Z | 34.1008333 | -116.2601667 | 6 | 3.53 | ci3365874 |
| 1942-01-21T05:13:42.540Z | 34.0461667 | -116.3473333 | 6 | 3.63 | ci3365873 |
| 1941-12-23T11:16:10.230Z | 34.0018333 | -116.0833333 | 6 | 3.12 | ci3365837 |
| 1941-10-13T20:59:16.390Z | 33.9971667 | -116.7966667 | 6 | 3.11 | ci3365781 |
| 1941-10-05T21:08:55.300Z | 33.1558333 | -116.013 | 6 | 3.17 | ci3365772 |

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|---|---|---|---|---|---|
| 1941-09-27T19:19:01.880Z | 33.3085 | -116.133 | 6 | 3.27 | ci3365764 |
| 1941-09-21T09:03:07.930Z | 33.1756667 | -116.5235 | 0.05 | 3.35 | ci3365753 |
| 1941-09-13T03:24:35.460Z | 34.0438333 | -117.0866667 | 12.63 | 3.12 | ci3365736 |
| 1941-08-19T10:01:38.000Z | 33.1268333 | -116.0221667 | 6 | 3.53 | ci3365717 |
| 1941-08-10T13:27:39.300Z | 32.9231667 | -116.273 | 6 | 3.13 | ci3365713 |
| 1941-07-13T19:38:23.610Z | 33.5268333 | -116.5868333 | 6 | 3.01 | ci3365691 |
| 1941-07-13T19:06:28.740Z | 34.0663333 | -116.4011667 | 6 | 3.24 | ci3365690 |
| 1941-07-11T01:54:45.180Z | 33.659 | -115.9481667 | 6 | 3.03 | ci3365683 |
| 1941-06-30T15:57:14.260Z | 33.228 | -115.7571667 | 6 | 3.63 | ci3365640 |
| 1941-06-30T15:35:25.020Z | 33.221 | -115.9498333 | 6 | 3.07 | ci3365639 |
| 1941-06-30T15:34:35.440Z | 33.139 | -116.1493333 | 6 | 3.06 | ci3365638 |
| 1941-06-27T16:35:28.920Z | 33.31 | -116.1581667 | 6 | 3.33 | ci3365635 |
| 1941-04-23T05:24:27.560Z | 34.103 | -116.5128333 | 6 | 3 | ci3365607 |
| 1941-03-21T03:13:57.780Z | 33.7086667 | -117.4758333 | 6 | 3.13 | ci3365586 |
| 1941-03-13T16:06:53.780Z | 33.5733333 | -115.4898333 | 6 | 3.31 | ci3365580 |
| 1941-02-23T18:36:14.300Z | 33.5148333 | -116.434 | 6 | 4.29 | ci3365567 |
| 1941-01-17T16:15:03.090Z | 33.5015 | -116.543 | 0.66 | 3.17 | ci3365535 |
| 1940-12-09T08:20:27.440Z | 34.0023333 | -116.6688333 | 6 | 3.59 | ci3365517 |
| 1940-12-04T22:15:37.130Z | 33.3731667 | -116.514 | 7.73 | 3.11 | ci3365513 |
| 1940-11-29T08:20:27.520Z | 34.5205 | -116.6818333 | 6 | 3.04 | ci3365509 |
| 1940-11-23T05:52:58.310Z | 33.1918333 | -115.9996667 | 6 | 3.52 | ci3365503 |
| 1940-11-09T06:56:51.140Z | 34.2173333 | -117.074 | 0.82 | 3.21 | ci3365495 |
| 1940-10-26T11:21:23.220Z | 33.1438333 | -116.1285 | 6 | 3.22 | ci3365486 |
| 1940-10-21T07:19:45.250Z | 33.144 | -116.2191667 | 6 | 3.29 | ci3365483 |
| 1940-10-21T06:49:33.810Z | 33.1763333 | -116.41 | 6 | 4.06 | ci3365482 |
| 1940-10-16T17:52:12.270Z | 33.1383333 | -115.9485 | 6 | 3.69 | ci3365477 |
| 1940-10-13T11:54:50.830Z | 32.9375 | -116.3233333 | 6 | 3.16 | ci3365474 |
| 1940-10-11T03:38:15.620Z | 34.3275 | -116.7811667 | 6 | 3.02 | ci3365467 |
| 1940-10-08T00:39:47.920Z | 33.15 | -115.95 | 6 | 3.04 | ci3365461 |
| 1940-10-06T18:19:52.850Z | 33.1746667 | -115.9408333 | 6 | 4.12 | ci3365459 |
| 1940-10-01T06:25:13.870Z | 32.9791667 | -116.5473333 | 6 | 3 | ci3365457 |
| 1940-09-19T01:33:10.810Z | 34.0585 | -116.3738333 | 6 | 3.62 | ci3365454 |
| 1940-09-05T09:33:12.410Z | 34.0233333 | -116.3783333 | 6 | 3.11 | ci3365443 |
| 1940-08-04T18:15:26.690Z | 34.257 | -116.6781667 | 6 | 3.48 | ci3365421 |
| 1940-08-01T19:31:42.070Z | 33.9951667 | -116.3701667 | 6 | 3.68 | ci3365420 |
| 1940-07-29T20:53:24.050Z | 33.1051667 | -115.9591667 | 6 | 3.37 | ci3365419 |
| 1940-07-27T02:50:34.840Z | 34.0443333 | -116.3671667 | 6 | 3.47 | ci3365417 |
| 1940-07-21T08:36:02.510Z | 33.0981667 | -115.8691667 | 6 | 4.25 | ci3365409 |
| 1940-07-14T00:01:43.460Z | 33.141 | -115.8761667 | 6 | 3.82 | ci3365402 |
| 1940-07-13T22:50:49.400Z | 33.1143333 | -115.8723333 | 6 | 3.45 | ci3365401 |
| 1940-07-13T17:45:07.590Z | 33.1313333 | -115.7788333 | 6 | 3.67 | ci3365400 |
| 1940-07-13T16:39:22.400Z | 33.114 | -115.8315 | 6 | 3.88 | ci3365399 |
| 1940-07-07T01:50:52.810Z | 34.0763333 | -117.3091667 | 11.94 | 3.56 | ci3365394 |

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|---|---|---|---|---|---|
| 1940-06-29T11:05:26.100Z | 33.9218333 | -116.614 | 6 | 3.04 | ci3365390 |
| 1940-06-28T00:44:42.680Z | 33.333 | -116.7308333 | 0.04 | 3.14 | ci3365387 |
| 1940-06-24T16:39:40.260Z | 34.0323333 | -116.547 | 6 | 3.86 | ci3365380 |
| 1940-06-23T07:07:08.410Z | 34.0881667 | -116.1713333 | 6 | 3.7 | ci3365378 |
| 1940-06-19T17:46:05.400Z | 33.3853333 | -116.594 | 6 | 3.14 | ci3365374 |
| 1940-06-19T03:09:51.310Z | 33.999 | -116.244 | 6 | 3.21 | ci3365373 |
| 1940-06-18T06:14:32.710Z | 34.0963333 | -116.2073333 | 6 | 3.89 | ci3365372 |
| 1940-06-14T21:58:51.190Z | 34.0898333 | -116.3405 | 6 | 3.78 | ci3365367 |
| 1940-06-14T13:57:43.610Z | 34.0698333 | -116.4463333 | 6 | 3.4 | ci3365366 |
| 1940-06-13T16:54:02.740Z | 33.9723333 | -116.5253333 | 6 | 3.04 | ci3365364 |
| 1940-06-11T20:35:33.480Z | 34.0171667 | -116.3788333 | 6 | 3.22 | ci3365363 |
| 1940-06-11T19:51:19.910Z | 34.0428333 | -116.3485 | 6 | 4.35 | ci3365362 |
| 1940-06-11T02:35:17.280Z | 33.814 | -116.4406667 | 6 | 3.12 | ci3365360 |
| 1940-06-08T17:10:34.160Z | 34.0546667 | -116.3576667 | 6 | 3.91 | ci3365359 |
| 1940-06-07T21:46:15.810Z | 33.9916667 | -116.3151667 | 6 | 3.47 | ci3365357 |
| 1940-06-07T21:28:25.800Z | 33.206 | -116.4438333 | 0.14 | 3.04 | ci3365356 |
| 1940-06-07T15:35:36.400Z | 34.038 | -116.348 | 6 | 3.62 | ci3365355 |
| 1940-06-07T02:24:11.420Z | 33.7581667 | -116.3595 | 6 | 3.04 | ci3365350 |
| 1940-06-07T02:10:35.520Z | 33.7545 | -116.403 | 6 | 3.28 | ci3365349 |
| 1940-06-06T23:56:39.010Z | 33.9703333 | -116.3441667 | 6 | 4.32 | ci3365348 |
| 1940-06-06T23:47:52.340Z | 34.1983333 | -116.4208333 | 6 | 3.58 | ci3365347 |
| 1940-06-06T23:21:05.640Z | 33.2105 | -116.4551667 | 6 | 3.98 | ci3365345 |
| 1940-06-06T22:21:17.450Z | 33.9695 | -116.3803333 | 6 | 4.19 | ci3365344 |
| 1940-06-06T21:07:25.430Z | 34.015 | -116.3488333 | 6 | 3.07 | ci3365343 |
| 1940-06-06T14:09:57.480Z | 34.015 | -116.35 | 6 | 3.21 | ci3365342 |
| 1940-06-05T08:27:27.120Z | 33.8243333 | -117.2881667 | 13.76 | 3.49 | ci3365337 |
| 1940-06-04T11:56:58.310Z | 33.7066667 | -116.0588333 | 6 | 3.5 | ci3365334 |
| 1940-06-04T11:14:40.540Z | 33.108 | -116.316 | 6 | 3.29 | ci3365333 |
| 1940-06-04T10:49:34.860Z | 33.137 | -116.281 | 6 | 3.39 | ci3365332 |
| 1940-06-04T10:36:29.690Z | 32.967 | -116.3 | 6 | 4.31 | ci3365331 |
| 1940-06-04T10:35:08.120Z | 32.966 | -116.315 | 6 | 5.03 | ci3365330 |
| 1940-06-02T06:13:12.350Z | 34.0383333 | -116.4096667 | 6 | 4.36 | ci3365329 |
| 1940-06-01T08:44:50.630Z | 34.028 | -116.4018333 | 6 | 3.03 | ci3365324 |
| 1940-06-01T06:54:28.090Z | 34.1523333 | -116.216 | 6 | 4.37 | ci3365323 |
| 1940-06-01T05:56:46.360Z | 34.1395 | -116.2311667 | 6 | 3.95 | ci3365322 |
| 1940-06-01T05:27:01.920Z | 34.1055 | -116.2716667 | 6 | 4.56 | ci3365321 |
| 1940-05-28T08:03:51.130Z | 34.0416667 | -116.3845 | 6 | 3.18 | ci3365320 |
| 1940-05-27T15:37:05.210Z | 33.6823333 | -116.4273333 | 6 | 3.32 | ci10084710 |
| 1940-05-27T03:27:28.570Z | 34.0131667 | -116.3295 | 6 | 3.99 | ci3365318 |
| 1940-05-24T15:04:50.640Z | 34.0591667 | -116.426 | 6 | 3.19 | ci3365317 |
| 1940-05-23T13:31:05.300Z | 34.0205 | -117.1835 | 6 | 3.26 | ci3365316 |
| 1940-05-23T06:39:46.410Z | 33.8188333 | -117.3301667 | 6 | 3.19 | ci3365315 |
| 1940-05-22T14:10:08.580Z | 34.1036667 | -116.3601667 | 6 | 3.92 | ci3365310 |

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|---|---|---|---|---|---|
| 1940-05-22T06:31:39.680Z | 33.98 | -116.3518333 | 6 | 3.68 | ci3365308 |
| 1940-05-22T06:03:56.760Z | 34.0351667 | -116.3281667 | 6 | 3.26 | ci3365307 |
| 1940-05-22T05:24:43.430Z | 34.027 | -116.3958333 | 6 | 3.28 | ci3365306 |
| 1940-05-19T19:39:43.080Z | 34.0875 | -116.307 | 6 | 4.25 | ci3365298 |
| 1940-05-19T13:06:44.690Z | 34.0266667 | -116.3401667 | 6 | 3.98 | ci3365294 |
| 1940-05-19T03:51:47.190Z | 34.0306667 | -116.329 | 6 | 3.57 | ci3365278 |
| 1940-05-19T02:27:32.550Z | 33.9736667 | -116.3943333 | 6 | 4.04 | ci3365277 |
| 1940-05-19T02:26:03.120Z | 34.0518333 | -116.2788333 | 6 | 4.32 | ci3365276 |
| 1940-05-18T13:47:21.770Z | 33.9973333 | -116.362 | 6 | 4.17 | ci3365275 |
| 1940-05-18T07:21:34.470Z | 34.0258333 | -116.3145 | 6 | 4.96 | ci3365272 |
| 1940-05-18T06:04:31.790Z | 34.042 | -116.2618333 | 6 | 4.52 | ci3365271 |
| 1940-05-18T05:51:21.940Z | 34.037 | -116.3065 | 6 | 5.2 | ci3365270 |
| 1940-05-18T05:03:59.660Z | 34.089 | -116.2818333 | 6 | 5.31 | ci3365269 |
| 1940-05-10T14:46:40.010Z | 33.7863333 | -116.1788333 | 6 | 3.64 | ci3365268 |
| 1940-05-07T21:33:42.620Z | 33.9988333 | -116.3315 | 6 | 3.09 | ci3365266 |
| 1940-04-18T18:43:45.220Z | 34.0476667 | -117.3331667 | 11.66 | 4.29 | ci3365255 |
| 1940-04-18T01:03:16.060Z | 33.2175 | -116.5555 | 2.53 | 3.15 | ci3365254 |
| 1940-04-13T03:55:08.670Z | 34.066 | -117.2261667 | 14.94 | 3.05 | ci3365253 |
| 1940-03-21T01:21:08.930Z | 33.8825 | -117.0615 | 11.58 | 3.21 | ci3365246 |
| 1940-03-20T10:22:21.580Z | 33.1016667 | -116.0076667 | 6 | 3.22 | ci3365245 |
| 1940-03-05T17:06:05.440Z | 34.0705 | -117.313 | 6 | 3.16 | ci3365238 |
| 1940-03-03T14:27:17.080Z | 33.9206667 | -117.0063333 | 15.95 | 3.25 | ci3365237 |
| 1940-02-28T17:28:06.820Z | 33.1496667 | -115.9828333 | 6 | 4.55 | ci3365234 |
| 1940-02-22T10:38:01.110Z | 34.0291667 | -117.0293333 | 14.08 | 3.47 | ci3365229 |
| 1940-02-19T12:17:30.420Z | 34.0471667 | -117.0275 | 12.69 | 3.02 | ci3365228 |
| 1940-02-19T12:06:56.570Z | 34.0668333 | -117.0098333 | 20 | 4.39 | ci3365227 |
| 1940-02-11T15:47:36.800Z | 33.8091667 | -116.8553333 | 6 | 3.3 | ci3365222 |
| 1940-02-09T11:48:46.280Z | 33.4006667 | -115.8183333 | 6 | 3.55 | ci3365220 |
| 1940-02-09T11:11:31.250Z | 33.36 | -115.737 | 6 | 3.42 | ci3365218 |
| 1940-02-09T01:53:01.030Z | 33.1833333 | -116.153 | 6 | 3.26 | ci3365216 |
| 1940-02-08T05:39:20.860Z | 33.559 | -115.6061667 | 6 | 3.12 | ci3365213 |
| 1940-01-29T01:59:10.720Z | 33.1828333 | -116.3073333 | 6 | 3.06 | ci3365210 |
| 1940-01-19T10:06:00.670Z | 33.779 | -116.151 | 6 | 3.18 | ci3365207 |
| 1940-01-16T18:56:02.740Z | 34.2485 | -116.6365 | 6 | 3.31 | ci3365200 |
| 1940-01-07T07:12:43.400Z | 33.3976667 | -115.755 | 6 | 3.31 | ci3365194 |
| 1940-01-07T05:03:05.730Z | 33.3281667 | -115.5415 | 6 | 3.32 | ci3365193 |
| 1940-01-05T08:42:55.570Z | 33.1731667 | -116.3673333 | 6 | 3.42 | ci3365192 |
| 1940-01-04T08:07:10.570Z | 33.223 | -116.1878333 | 6 | 4.01 | ci3365190 |
| 1939-12-14T13:17:21.640Z | 33.1831667 | -116.412 | 6 | 3.28 | ci3365170 |
| 1939-12-05T17:33:52.280Z | 33.1733333 | -116.3376667 | 6 | 3.76 | ci3365163 |
| 1939-11-28T10:20:28.810Z | 33.1733333 | -116.0026667 | 6 | 3.31 | ci3365158 |
| 1939-11-27T04:12:23.610Z | 33.1761667 | -116.4375 | 6 | 3.04 | ci3365157 |
| 1939-11-13T22:12:16.930Z | 33.3423333 | -116.3393333 | 6 | 3.01 | ci3365151 |

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|---|---|---|---|---|---|
| 1939-11-07T18:52:09.680Z | 34.0371667 | -117.251 | 17.39 | 4.45 | ci3365145 |
| 1939-11-03T22:10:49.890Z | 34.2963333 | -116.793 | 6 | 3.01 | ci3365139 |
| 1939-10-12T17:47:55.580Z | 34.3398333 | -116.5475 | 6 | 3.13 | ci3365122 |
| 1939-09-28T18:41:56.900Z | 33.929 | -116.6425 | 6 | 3.39 | ci3365108 |
| 1939-09-10T17:45:58.190Z | 34.0438333 | -116.2945 | 6 | 3.3 | ci3365097 |
| 1939-08-20T02:47:07.530Z | 33.1721667 | -116.4781667 | 6 | 3.29 | ci3365079 |
| 1939-08-06T16:25:43.060Z | 34.2596667 | -116.591 | 6 | 3.1 | ci3365072 |
| 1939-07-04T12:52:19.850Z | 34.0048333 | -116.6831667 | 6 | 3.65 | ci3365055 |
| 1939-05-30T04:09:18.590Z | 33.9115 | -117.44 | 0.02 | 3.09 | ci3365018 |
| 1939-05-24T17:15:44.310Z | 34.1856667 | -116.9653333 | 7.73 | 3.49 | ci3365011 |
| 1939-05-12T19:25:04.840Z | 33.4598333 | -116.528 | 6 | 4.35 | ci3364998 |
| 1939-04-03T02:50:41.660Z | 34.2121667 | -117.0791667 | 6 | 3.74 | ci3364945 |
| 1939-03-02T13:13:06.870Z | 34.2003333 | -116.5843333 | 6 | 3.49 | ci3364914 |
| 1939-02-18T18:47:38.530Z | 33.9161667 | -116.675 | 6 | 3.04 | ci3364894 |
| 1939-02-07T15:21:28.560Z | 33.0906667 | -115.7756667 | 6 | 3.45 | ci3364882 |
| 1939-02-03T02:29:28.390Z | 33.7101667 | -116.114 | 6 | 3.26 | ci3364878 |
| 1939-01-27T22:04:33.680Z | 33.4153333 | -115.9805 | 6 | 3.12 | ci3364873 |
| 1939-01-12T19:04:21.070Z | 33.92 | -116.6573333 | 6 | 3.27 | ci3364856 |
| 1939-01-12T16:00:10.620Z | 33.0071667 | -116.5498333 | 6 | 3.23 | ci3364855 |
| 1939-01-04T10:49:08.530Z | 34.2326667 | -117.0653333 | 6 | 3.21 | ci3364848 |
| 1938-12-17T13:20:40.580Z | 33.942 | -117.336 | 23.24 | 3.11 | ci3364831 |
| 1938-12-04T03:26:52.630Z | 33.8138333 | -116.9445 | 6 | 3.17 | ci3364816 |
| 1938-11-15T08:23:17.040Z | 34.3803333 | -116.2781667 | 6 | 3.03 | ci3364797 |
| 1938-10-29T07:38:09.760Z | 33.4393333 | -116.4931667 | 6 | 3.11 | ci3364790 |
| 1938-10-23T00:47:09.640Z | 33.9593333 | -117.0951667 | 11 | 3.45 | ci3364787 |
| 1938-10-03T11:56:50.350Z | 33.156 | -116.1781667 | 6 | 3.19 | ci3364776 |
| 1938-09-19T13:07:53.440Z | 33.226 | -116.191 | 6 | 3.56 | ci3364758 |
| 1938-09-19T11:39:33.430Z | 33.6045 | -116.1358333 | 6 | 3 | ci3364757 |
| 1938-09-19T02:53:09.270Z | 33.5615 | -116.0598333 | 6 | 3.24 | ci3364755 |
| 1938-08-06T02:28:07.850Z | 33.8913333 | -116.7148333 | 6 | 3.69 | ci3364723 |
| 1938-08-02T07:12:48.620Z | 33.2848333 | -116.839 | 6 | 3.71 | ci3364716 |
| 1938-07-25T01:21:58.100Z | 34.0146667 | -116.9731667 | 12.49 | 3.18 | ci3364704 |
| 1938-07-17T18:22:22.700Z | 33.6776667 | -117.4641667 | 6 | 3.31 | ci3364695 |
| 1938-07-10T18:06:18.960Z | 33.15 | -116.283 | 6 | 4.24 | ci3364690 |
| 1938-07-10T16:10:32.250Z | 33.1721667 | -116.3886667 | 6 | 3.37 | ci3364689 |
| 1938-07-04T21:59:46.880Z | 32.9746667 | -116.112 | 6 | 3.9 | ci3364685 |
| 1938-06-29T17:01:27.670Z | 33.3735 | -115.5641667 | 6 | 3.42 | ci3364676 |
| 1938-06-29T14:56:45.460Z | 33.485 | -115.4365 | 6 | 3.39 | ci3364675 |
| 1938-06-29T10:40:00.460Z | 33.4 | -115.6 | 6 | 4.21 | ci3364670 |
| 1938-06-29T10:25:04.300Z | 33.4091667 | -116.2493333 | 6 | 3.8 | ci3364672 |
| 1938-06-29T10:19:36.110Z | 33.4 | -115.6 | 6 | 3.29 | ci3364673 |
| 1938-06-25T05:46:16.570Z | 33.9435 | -116.4368333 | 6 | 3.63 | ci3364666 |
| 1938-06-23T22:11:10.730Z | 34.1645 | -117.046 | 6 | 3.24 | ci3364664 |

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|---|---|---|---|---|---|
| 1938-06-16T05:59:14.610Z | 33.4838333 | -116.725 | 6 | 3.89 | ci3364653 |
| 1938-06-10T14:40:59.090Z | 34.219 | -116.8003333 | 6 | 3.93 | ci3364648 |
| 1938-05-27T22:22:52.940Z | 34.0655 | -116.6311667 | 6 | 3.18 | ci3364623 |
| 1938-05-27T22:01:11.370Z | 34.2705 | -116.8671667 | 6 | 3.41 | ci3364621 |
| 1938-05-17T00:43:43.510Z | 34.1851667 | -117.0515 | 6 | 3.16 | ci3364618 |
| 1938-05-15T16:18:31.620Z | 33.0348333 | -116.2188333 | 6 | 3.01 | ci3364613 |
| 1938-04-25T11:01:58.580Z | 33.4211667 | -116.5066667 | 6 | 3.23 | ci3364599 |
| 1938-04-24T08:19:14.860Z | 34.0965 | -116.8238333 | 6 | 3.04 | ci3364598 |
| 1938-04-16T02:23:46.790Z | 33.8676667 | -116.7911667 | 6 | 3.37 | ci3364590 |
| 1938-04-12T22:21:59.230Z | 33.2061667 | -116.1411667 | 6 | 3.1 | ci3364583 |
| 1938-03-31T17:03:42.240Z | 34.638 | -116.1936667 | 6 | 4.07 | ci3364564 |
| 1938-03-25T20:03:16.320Z | 33.7725 | -116.4563333 | 6 | 3.06 | ci3364563 |
| 1938-03-12T21:47:30.730Z | 33.168 | -116.5388333 | 6 | 3.56 | ci3364558 |
| 1938-02-26T06:40:27.010Z | 33.2813333 | -116.0068333 | 6 | 3.17 | ci3364551 |
| 1938-02-15T07:56:15.110Z | 34.1386667 | -116.1981667 | 6 | 3.42 | ci3364544 |
| 1938-02-15T07:45:38.130Z | 34.2163333 | -116.1655 | 6 | 4.27 | ci3364543 |
| 1938-02-08T07:39:25.120Z | 34.1596667 | -116.1143333 | 6 | 4.05 | ci3364538 |
| 1938-01-20T13:05:27.850Z | 33.2 | -116 | 6 | 3.06 | ci3364527 |
| 1938-01-10T11:52:54.440Z | 33.471 | -116.548 | 6 | 3.24 | ci3364515 |
| 1938-01-09T12:30:36.050Z | 33.7265 | -116.8036667 | 6 | 3.02 | ci3364514 |
| 1938-01-04T00:29:22.650Z | 33.383 | -116.382 | 6 | 4.41 | ci3364507 |
| 1938-01-04T00:29:00.000Z | 33.466 | -116.583 | 16 | 4.5 | ushis1188 |
| 1937-12-11T18:06:23.970Z | 33.7091667 | -117.1365 | 6 | 3.16 | ci3364483 |
| 1937-11-29T23:52:46.820Z | 33.4315 | -116.4221667 | 6 | 3.27 | ci3364469 |
| 1937-11-24T21:37:47.020Z | 34.0175 | -117.2815 | 12.88 | 3.15 | ci3364462 |
| 1937-11-18T07:40:12.450Z | 33.2133333 | -116.0851667 | 6 | 3.09 | ci3364452 |
| 1937-11-16T12:27:39.600Z | 33.9018333 | -116.6115 | 6 | 3.38 | ci3364451 |
| 1937-11-16T10:57:49.880Z | 33.247 | -116.1555 | 6 | 3.9 | ci3364450 |
| 1937-10-22T23:51:09.240Z | 33.1315 | -116.6048333 | 6 | 3.05 | ci3364435 |
| 1937-09-02T00:07:17.260Z | 33.8145 | -115.961 | 6 | 3.18 | ci3364383 |
| 1937-08-31T23:52:29.590Z | 33.8636667 | -117.2083333 | 5.04 | 3.34 | ci3364377 |
| 1937-08-15T02:02:47.590Z | 33.473 | -116.5113333 | 6 | 3.32 | ci3364350 |
| 1937-08-14T22:45:03.860Z | 33.4668333 | -116.5065 | 6 | 3 | ci3364348 |
| 1937-08-12T02:13:15.340Z | 33.5036667 | -116.5578333 | 6 | 3.02 | ci3364346 |
| 1937-06-29T19:45:44.030Z | 33.3676667 | -116.4146667 | 6 | 3.05 | ci3364300 |
| 1937-06-11T04:09:43.020Z | 33.9105 | -116.5755 | 6 | 3.39 | ci3364282 |
| 1937-06-06T01:09:28.550Z | 33.6306667 | -115.8563333 | 6 | 3.05 | ci3364270 |
| 1937-06-01T15:41:43.020Z | 34.589 | -116.5011667 | 6 | 3.59 | ci3364263 |
| 1937-04-09T15:03:47.820Z | 33.469 | -116.5855 | 6 | 3.24 | ci3364209 |
| 1937-04-07T21:32:22.770Z | 33.4423333 | -116.447 | 6 | 3.27 | ci3364208 |
| 1937-04-06T17:44:28.910Z | 33.4456667 | -116.5606667 | 6 | 3.15 | ci3364206 |
| 1937-04-05T18:56:14.060Z | 33.7365 | -116.9888333 | 6 | 3.1 | ci3364203 |
| 1937-04-05T14:02:57.760Z | 33.423 | -116.4518333 | 6 | 3.18 | ci3364202 |

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|---|---|---|---|---|---|
| 1937-03-29T17:03:15.610Z | 33.4046667 | -116.3903333 | 6 | 3.71 | ci3364196 |
| 1937-03-29T01:48:34.260Z | 33.9853333 | -116.7776667 | 6 | 3.17 | ci3364193 |
| 1937-03-28T23:30:41.970Z | 33.6943333 | -116.8798333 | 6 | 3.23 | ci3364192 |
| 1937-03-27T21:50:04.060Z | 33.4426667 | -116.461 | 6 | 3.65 | ci3364190 |
| 1937-03-27T12:27:26.020Z | 33.4558333 | -116.4715 | 6 | 3.44 | ci3364189 |
| 1937-03-27T07:42:19.720Z | 33.4575 | -116.4093333 | 6 | 4.45 | ci3364188 |
| 1937-03-27T07:42:00.000Z | 33.466 | -116.583 | 16 | 4.5 | ushis1169 |
| 1937-03-27T06:07:14.730Z | 33.4543333 | -116.4848333 | 6 | 3.07 | ci3364186 |
| 1937-03-27T05:28:43.560Z | 33.4615 | -116.4673333 | 6 | 3.78 | ci3364185 |
| 1937-03-27T05:24:20.150Z | 33.4231667 | -116.4465 | 6 | 3.39 | ci3364184 |
| 1937-03-26T21:24:57.000Z | 33.4715 | -116.555 | 6 | 3.74 | ci3364182 |
| 1937-03-26T21:17:33.200Z | 33.4651667 | -116.5608333 | 6 | 3.05 | ci3364181 |
| 1937-03-26T10:34:04.780Z | 33.4356667 | -116.583 | 6 | 3.2 | ci3364179 |
| 1937-03-26T08:06:21.000Z | 33.4301667 | -116.4841667 | 6 | 3.27 | ci3364178 |
| 1937-03-26T00:10:47.190Z | 33.4198333 | -116.5133333 | 6 | 3.42 | ci3364176 |
| 1937-03-25T23:20:27.270Z | 33.4355 | -116.5271667 | 6 | 3.86 | ci3364175 |
| 1937-03-25T20:04:08.340Z | 33.473 | -116.4473333 | 6 | 4.03 | ci3364174 |
| 1937-03-25T19:45:59.980Z | 33.7011667 | -116.3793333 | 6 | 3.09 | ci3364173 |
| 1937-03-25T18:43:20.100Z | 33.445 | -116.5273333 | 6 | 3.06 | ci3364172 |
| 1937-03-25T18:42:11.530Z | 33.4735 | -116.5496667 | 6 | 3.39 | ci3364171 |
| 1937-03-25T18:12:16.460Z | 33.4585 | -116.543 | 6 | 3.46 | ci3364169 |
| 1937-03-25T18:04:30.320Z | 33.4556667 | -116.5503333 | 6 | 3.08 | ci3364168 |
| 1937-03-25T17:54:35.730Z | 33.7835 | -116.3335 | 6 | 3.65 | ci3364167 |
| 1937-03-25T17:47:09.610Z | 33.4583333 | -116.455 | 6 | 3.46 | ci3364166 |
| 1937-03-25T17:12:07.770Z | 33.3861667 | -116.4088333 | 6 | 3.09 | ci3364165 |
| 1937-03-25T17:02:41.080Z | 33.4493333 | -116.5425 | 6 | 3.02 | ci3364163 |
| 1937-03-25T16:49:02.180Z | 33.4 | -116.25 | 6 | 6 | ci3364162 |
| 1937-03-09T23:44:33.560Z | 33.1825 | -116.2118333 | 6 | 3.08 | ci3364151 |
| 1937-03-06T12:43:03.260Z | 33.1155 | -115.7085 | 6 | 3.08 | ci3364146 |
| 1937-03-06T08:42:01.930Z | 34.2926667 | -116.8656667 | 6 | 3.21 | ci3364141 |
| 1937-03-04T16:04:36.080Z | 33.7638333 | -116.2211667 | 6 | 3.49 | ci3364138 |
| 1937-02-26T10:54:30.480Z | 33.991 | -116.5436667 | 6 | 3.35 | ci3364127 |
| 1937-02-06T02:52:14.050Z | 33.7458333 | -116.038 | 6 | 3.77 | ci3364095 |
| 1937-01-20T19:04:00.240Z | 33.8858333 | -116.8703333 | 6 | 3.1 | ci3364086 |
| 1937-01-09T10:41:00.640Z | 33.9495 | -116.8 | 6 | 3.05 | ci3364067 |
| 1936-11-25T00:36:03.770Z | 34.0275 | -116.367 | 6 | 3.27 | ci3363983 |
| 1936-10-24T02:57:00.740Z | 34.0193333 | -117.1486667 | 8.25 | 3.39 | ci3363922 |
| 1936-10-21T00:40:14.620Z | 34.2901667 | -117.0661667 | 6 | 3.29 | ci3363917 |
| 1936-10-14T06:30:10.220Z | 33.7611667 | -116.2598333 | 6 | 3.44 | ci3363901 |
| 1936-09-30T04:51:30.770Z | 33.9306667 | -116.4796667 | 6 | 3.08 | ci3363853 |
| 1936-09-11T09:32:51.930Z | 32.979 | -115.998 | 6 | 3.21 | ci3363801 |
| 1936-09-05T10:24:44.530Z | 33.4856667 | -116.7638333 | 6 | 3.48 | ci3363773 |
| 1936-08-30T08:16:00.420Z | 32.9758333 | -116.4013333 | 6 | 3.62 | ci3363767 |

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|---|---|---|---|---|---|
| 1936-08-19T13:18:33.130Z | 33.4995 | -116.7636667 | 6 | 3.37 | ci3363743 |
| 1936-08-02T08:07:36.610Z | 33.7871667 | -117.2573333 | 3.9 | 3.32 | ci3363729 |
| 1936-07-29T14:22:52.000Z | 33.4883333 | -116.7805 | 6 | 3.7 | ci3363724 |
| 1936-06-21T14:19:21.130Z | 33.5055 | -116.7026667 | 6 | 3.47 | ci3363662 |
| 1936-06-14T23:05:36.790Z | 33.0431667 | -116.001 | 6 | 3.1 | ci3363655 |
| 1936-05-16T13:37:44.200Z | 34.1363333 | -117.346 | 3.68 | 3.09 | ci3363606 |
| 1936-05-07T11:47:27.240Z | 33.2156667 | -116.0251667 | 6 | 4.41 | ci3363596 |
| 1936-05-07T11:47:00.000Z | 33.133 | -116.083 | 16 | 4.5 | ushis1140 |
| 1936-04-24T06:05:25.240Z | 33.8535 | -116.3743333 | 6 | 3.11 | ci3363566 |
| 1936-04-22T05:00:56.570Z | 34.0461667 | -115.8911667 | 6 | 3.25 | ci3363562 |
| 1936-04-13T18:13:20.200Z | 33.1421667 | -116.6586667 | 6 | 3.3 | ci3363545 |
| 1936-04-09T13:17:55.060Z | 33.9353333 | -116.6313333 | 6 | 3.02 | ci3363537 |
| 1936-03-19T16:39:55.870Z | 33.4576667 | -116.6655 | 6 | 3.61 | ci3363501 |
| 1936-02-26T09:33:27.290Z | 34.1778333 | -117.3333333 | 0 | 3.98 | ci3363470 |
| 1936-02-23T22:20:42.300Z | 34.0308333 | -117.3231667 | 19.72 | 4.69 | ci3363468 |
| 1936-02-15T03:30:02.850Z | 33.7246667 | -116.6301667 | 6 | 3.07 | ci3363457 |
| 1936-02-10T09:46:26.530Z | 33.5673333 | -116.648 | 6 | 3.08 | ci3363449 |
| 1936-02-06T18:56:07.140Z | 33.2153333 | -115.9498333 | 6 | 3.27 | ci3363445 |
| 1936-02-06T08:13:41.460Z | 33.4843333 | -116.4673333 | 6 | 3.08 | ci3363444 |
| 1936-02-03T18:10:42.270Z | 34.038 | -116.361 | 6 | 3.3 | ci3363437 |
| 1936-01-27T00:28:52.310Z | 33.5936667 | -116.0568333 | 6 | 3.07 | ci3363426 |
| 1936-01-26T14:13:16.980Z | 33.4438333 | -116.5006667 | 6 | 3.04 | ci3363424 |
| 1936-01-07T06:36:14.540Z | 34.1466667 | -117.3285 | 7.2 | 3.15 | ci3363408 |
| 1936-01-01T06:45:03.920Z | 33.2 | -115.7761667 | 6 | 3.39 | ci3363489 |
| 1935-12-31T02:11:46.700Z | 33.0336667 | -115.8385 | 6 | 3.65 | ci3363382 |
| 1935-12-23T12:07:03.300Z | 33.3306667 | -115.855 | 6 | 3.12 | ci3363369 |
| 1935-12-20T07:21:23.390Z | 33.424 | -116.0233333 | 6 | 3.11 | ci3363358 |
| 1935-12-02T03:19:44.800Z | 33.6113333 | -116.1866667 | 6 | 3.74 | ci3363335 |
| 1935-11-27T14:13:13.730Z | 33.7863333 | -116.8326667 | 6 | 3.3 | ci3363330 |
| 1935-11-27T09:28:48.090Z | 33.6713333 | -116.9368333 | 6 | 3.64 | ci3363329 |
| 1935-11-20T16:16:48.530Z | 34.017 | -116.7748333 | 6 | 3.42 | ci3363317 |
| 1935-11-20T14:37:25.590Z | 33.6913333 | -116.592 | 6 | 3.16 | ci3363314 |
| 1935-11-12T11:45:19.610Z | 33.4813333 | -116.6691667 | 6 | 3.17 | ci3363300 |
| 1935-11-12T07:52:33.610Z | 34.0281667 | -116.7938333 | 6 | 3.24 | ci3363299 |
| 1935-11-10T00:21:06.780Z | 33.5863333 | -116.664 | 6 | 3.25 | ci3363294 |
| 1935-11-08T10:02:05.610Z | 33.5683333 | -116.6953333 | 6 | 3.16 | ci3363293 |
| 1935-11-08T05:54:30.450Z | 34.088 | -116.7495 | 6 | 3.08 | ci3363292 |
| 1935-11-04T09:11:34.830Z | 33.5293333 | -116.7191667 | 6 | 3.09 | ci3363286 |
| 1935-11-04T07:14:40.320Z | 33.5316667 | -116.6853333 | 6 | 3.51 | ci3363285 |
| 1935-11-04T06:57:03.030Z | 33.5673333 | -116.6915 | 6 | 3.12 | ci3363284 |
| 1935-11-04T05:47:52.070Z | 33.5541667 | -116.7153333 | 6 | 3.42 | ci3363283 |
| 1935-11-04T03:55:54.710Z | 33.5068333 | -116.6666667 | 6 | 4.83 | ci3363281 |
| 1935-11-02T17:34:07.680Z | 33.4116667 | -116.4333333 | 6 | 3.66 | ci3363279 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1935-10-25T16:53:31.800Z | 34.086 | -116.72 | 6 | 3.38 | ci3363268 |
| 1935-10-25T07:50:42.410Z | 34.0938333 | -116.7565 | 6 | 3.09 | ci3363266 |
| 1935-10-25T00:22:55.650Z | 34.1045 | -116.7203333 | 6 | 3.1 | ci3363265 |
| 1935-10-24T17:27:24.700Z | 34.1128333 | -117.358 | 5.24 | 3.34 | ci3363258 |
| 1935-10-24T16:16:45.500Z | 34.0631667 | -116.7516667 | 6 | 3.36 | ci3363256 |
| 1935-10-24T16:02:46.360Z | 34.0743333 | -116.756 | 6 | 3.3 | ci3363255 |
| 1935-10-24T15:52:36.070Z | 34.0671667 | -116.7263333 | 6 | 3.34 | ci3363254 |
| 1935-10-24T15:27:57.310Z | 34.099 | -116.7398333 | 6 | 4.19 | ci3363250 |
| 1935-10-24T15:26:33.510Z | 34.0675 | -116.7536667 | 6 | 3.1 | ci3363249 |
| 1935-10-24T15:15:01.040Z | 34.0936667 | -116.742 | 6 | 3.49 | ci3363248 |
| 1935-10-24T15:06:01.540Z | 34.085 | -116.7125 | 6 | 3.23 | ci3363247 |
| 1935-10-24T14:57:16.370Z | 34.062 | -116.745 | 6 | 3.47 | ci3363246 |
| 1935-10-24T14:52:22.210Z | 34.1211667 | -116.7383333 | 6 | 4.61 | ci3363245 |
| 1935-10-24T14:51:05.360Z | 34.0423333 | -116.7286667 | 6 | 4.51 | ci3363261 |
| 1935-10-24T14:48:07.510Z | 34.1061667 | -116.6993333 | 6 | 4.88 | ci3363244 |
| 1935-10-22T15:00:07.590Z | 34.0923333 | -116.7321667 | 6 | 3.42 | ci3363242 |
| 1935-10-18T13:50:28.970Z | 33.1793333 | -116.0981667 | 6 | 3.3 | ci3363238 |
| 1935-10-14T15:50:41.010Z | 33.1463333 | -116.4623333 | 6 | 3.88 | ci3363234 |
| 1935-09-27T18:43:00.820Z | 33.1346667 | -116.1706667 | 6 | 3.01 | ci3363209 |
| 1935-09-04T15:25:43.330Z | 33.4788333 | -116.1161667 | 6 | 3.22 | ci3363160 |
| 1935-09-04T14:10:59.120Z | 33.155 | -116.4565 | 6 | 3.62 | ci3363159 |
| 1935-09-04T14:09:03.840Z | 33.158 | -116.4006667 | 6 | 3.86 | ci3363158 |
| 1935-09-04T14:05:40.700Z | 33.2093333 | -116.4795 | 6 | 3.41 | ci3363156 |
| 1935-09-03T06:47:11.530Z | 34.0233333 | -117.2421667 | 6 | 4.2 | ci3363155 |
| 1935-08-25T11:14:54.160Z | 33.3505 | -116.388 | 6 | 3.16 | ci3363145 |
| 1935-08-23T08:36:39.020Z | 33.896 | -117.056 | 6 | 3.17 | ci3363143 |
| 1935-08-10T21:59:56.920Z | 33.216 | -116.2325 | 6 | 3.35 | ci3363128 |
| 1935-08-08T15:47:26.800Z | 34.0048333 | -116.776 | 6 | 3.04 | ci3363123 |
| 1935-07-15T10:02:25.980Z | 33.5166667 | -116.7511667 | 6 | 3.04 | ci3363084 |
| 1935-07-15T06:29:54.600Z | 33.5698333 | -116.9036667 | 6 | 3.97 | ci3363083 |
| 1935-06-19T11:21:59.230Z | 33.7368333 | -117.4786667 | 6 | 3.25 | ci3363035 |
| 1935-06-19T11:17:08.350Z | 33.7358333 | -117.4693333 | 6 | 4.44 | ci3363034 |
| 1935-06-07T16:33:56.740Z | 33.2858333 | -116.85 | 6 | 3.75 | ci3363013 |
| 1935-05-27T08:43:54.630Z | 33.5018333 | -116.5076667 | 6 | 3.24 | ci3362993 |
| 1935-04-15T04:21:35.410Z | 33.1623333 | -116.1331667 | 6 | 3.12 | ci3362886 |
| 1935-04-07T09:32:02.500Z | 33.4596667 | -116.4561667 | 6 | 3.52 | ci3362877 |
| 1935-03-15T02:25:42.610Z | 33.681 | -117.3043333 | 6 | 3.16 | ci3362841 |
| 1935-03-12T13:51:55.130Z | 33.6888333 | -116.7025 | 6 | 3.15 | ci3362837 |
| 1935-03-10T06:16:43.880Z | 34.0371667 | -116.3955 | 6 | 3.21 | ci3362833 |
| 1935-03-05T21:51:56.120Z | 34.0311667 | -116.4343333 | 6 | 3.14 | ci3362818 |
| 1935-02-25T15:57:05.090Z | 33.2003333 | -115.9646667 | 6 | 3.05 | ci3362787 |
| 1935-01-29T21:04:34.090Z | 33.3078333 | -116.2341667 | 6 | 3.05 | ci3362725 |
| 1935-01-01T13:22:59.850Z | 33.9455 | -116.7281667 | 6 | 3.5 | ci3362675 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1934-11-15T07:17:25.870Z | 33.1475 | -116.1773333 | 6 | 3.43 | ci3362671 |
| 1934-11-13T20:41:47.000Z | 33.7003333 | -117.1455 | 6 | 3.06 | ci3362553 |
| 1934-11-01T18:51:43.340Z | 33.2821667 | -115.5423333 | 6 | 3.3 | ci3362539 |
| 1934-11-01T18:19:59.780Z | 33.2938333 | -115.6233333 | 6 | 3.32 | ci3362538 |
| 1934-10-30T04:51:45.860Z | 33.517 | -116.8825 | 6 | 3.22 | ci3362531 |
| 1934-10-28T05:47:37.610Z | 33.3928333 | -116.6865 | 6 | 3.42 | ci3362528 |
| 1934-10-22T02:24:53.010Z | 32.9453333 | -116.5068333 | 6 | 3.39 | ci3362514 |
| 1934-10-02T12:41:51.970Z | 33.044 | -116.401 | 6 | 3.21 | ci3362450 |
| 1934-09-18T22:27:22.700Z | 33.667 | -116.522 | 6 | 3.12 | ci3362425 |
| 1934-08-14T11:29:04.460Z | 33.7003333 | -115.9123333 | 6 | 3.69 | ci3362339 |
| 1934-06-26T01:22:43.390Z | 34.038 | -116.068 | 6 | 3.09 | ci3362263 |
| 1934-06-23T10:53:48.480Z | 33.2591667 | -116.5511667 | 6 | 3.47 | ci3362257 |
| 1934-06-02T21:15:42.890Z | 33.122 | -116.067 | 6 | 3.53 | ci3362208 |
| 1934-05-20T09:43:09.750Z | 33.939 | -116.8068333 | 6 | 3.25 | ci3362175 |
| 1934-04-27T18:35:26.220Z | 33.2458333 | -115.6981667 | 6 | 3.31 | ci3362124 |
| 1934-04-10T22:04:29.810Z | 33.1785 | -115.6391667 | 6 | 3 | ci3362091 |
| 1934-04-07T13:43:09.810Z | 33.086 | -115.9803333 | 6 | 3.39 | ci3362083 |
| 1934-03-11T01:59:23.460Z | 33.114 | -115.9458333 | 6 | 3.05 | ci3362051 |
| 1934-03-02T21:30:23.430Z | 33.1268333 | -115.8256667 | 6 | 4.62 | ci3362026 |
| 1934-03-02T21:18:30.540Z | 33.1463333 | -115.9336667 | 6 | 3.4 | ci3362025 |
| 1934-03-01T20:25:00.930Z | 33.0528333 | -116.0113333 | 6 | 3.18 | ci3362022 |
| 1934-02-24T01:11:46.870Z | 33.954 | -116.317 | 15.38 | 3.53 | ci3362006 |
| 1934-02-20T10:35:05.730Z | 33.4486667 | -116.5723333 | 6 | 3.76 | ci3362002 |
| 1934-02-07T09:27:33.340Z | 33.554 | -116.5006667 | 6 | 3.35 | ci3361955 |
| 1934-01-26T18:44:26.150Z | 34.2345 | -116.369 | 6 | 3.69 | ci3361856 |
| 1934-01-13T22:26:04.040Z | 33.6605 | -116.7148333 | 6 | 3.45 | ci3361824 |
| 1933-12-06T15:01:55.470Z | 33.9391667 | -116.772 | 6 | 3.28 | ci3361722 |
| 1933-11-26T02:40:56.570Z | 34.23 | -115.8163333 | 6 | 3.44 | ci3361704 |
| 1933-10-21T04:06:11.080Z | 33.4273333 | -116.8045 | 6 | 3.43 | ci3361571 |
| 1933-10-05T20:20:22.570Z | 33.4595 | -116.738 | 6 | 3 | ci3361484 |
| 1933-10-05T10:45:27.220Z | 34.0216667 | -117.206 | 14.79 | 3.9 | ci3361474 |
| 1933-09-15T03:27:43.050Z | 33.8145 | -116.3601667 | 6 | 3.73 | ci3361298 |
| 1933-09-14T14:05:52.370Z | 33.1153333 | -116.7255 | 6 | 3.05 | ci3361295 |
| 1933-09-09T13:53:17.820Z | 33.5865 | -117.2243333 | 6 | 3.1 | ci3361273 |
| 1933-08-07T23:20:31.720Z | 33.7118333 | -116.1745 | 6 | 3.02 | ci3361108 |
| 1933-08-06T03:32:32.200Z | 33.2725 | -116.1936667 | 6 | 4.64 | ci3361104 |
| 1933-08-05T23:31:14.910Z | 33.284 | -116.0361667 | 6 | 4.42 | ci3361103 |
| 1933-08-01T03:58:39.190Z | 33.8716667 | -116.1235 | 6 | 3.12 | ci3361088 |
| 1933-07-23T22:59:54.090Z | 33.2093333 | -116.282 | 6 | 3.45 | ci10087178 |
| 1933-07-22T22:11:04.750Z | 33.9895 | -116.4421667 | 6 | 3.34 | ci3361023 |
| 1933-06-29T21:58:10.950Z | 34.094 | -117.2173333 | 6 | 3.06 | ci3360835 |
| 1933-04-15T06:52:00.060Z | 33.5 | -116.75 | 6 | 3.01 | ci3360391 |
| 1933-04-04T21:27:00.080Z | 33.977 | -116.533 | 6 | 3.62 | ci3360360 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1933-03-08T10:58:25.740Z | 33.5 | -116.75 | 6 | 3.14 | ci3359735 |
| 1933-02-13T16:29:00.040Z | 33.205 | -116.448 | 6 | 3.27 | ci3359663 |
| 1933-01-31T11:23:11.190Z | 33.93 | -116.328 | 6 | 3.07 | ci3359657 |
| 1933-01-25T14:44:23.630Z | 34.096 | -116.438 | 6 | 4.08 | ci3359560 |
| 1933-01-24T22:54:43.550Z | 33.804 | -116.745 | 6 | 3.2 | ci3359559 |
| 1933-01-18T19:20:57.140Z | 33.253 | -116.131 | 6 | 3.38 | ci3359558 |
| 1933-01-08T19:28:25.440Z | 33.288 | -115.968 | 6 | 3.45 | ci3359531 |
| 1932-12-29T19:31:33.810Z | 33.257 | -116.03 | 6 | 3.37 | ci3359494 |
| 1932-12-24T03:04:51.610Z | 33.7675 | -116.4191667 | 6 | 3.2 | ci3359490 |
| 1932-12-22T21:27:24.010Z | 34.4553333 | -116.7863333 | 6 | 3.34 | ci3359486 |
| 1932-12-17T04:37:34.120Z | 33.9805 | -116.6531667 | 6 | 3.33 | ci3359481 |
| 1932-11-24T13:47:58.830Z | 32.9565 | -116.3531667 | 6 | 3.25 | ci3359449 |
| 1932-11-06T08:56:03.460Z | 33.1688333 | -116.4708333 | 6 | 3.33 | ci3359427 |
| 1932-11-01T04:45:46.790Z | 34.0335 | -117.3041667 | 18.71 | 4 | ci3359417 |
| 1932-10-17T15:35:33.290Z | 33.1656667 | -116.2501667 | 6 | 3.5 | ci3359371 |
| 1932-10-06T08:56:00.000Z | 33.2833333 | -116.8 | 6 | 3.5 | ci10087202 |
| 1932-10-02T04:48:10.170Z | 33.1423333 | -116.0108333 | 6 | 3.26 | ci3359315 |
| 1932-09-12T19:16:22.310Z | 34.0251667 | -116.5053333 | 6 | 3.04 | ci3359285 |
| 1932-09-03T00:13:29.550Z | 33.2028333 | -116.687 | 6 | 3.35 | ci3359260 |
| 1932-09-01T04:53:25.790Z | 33.977 | -116.5441667 | 6 | 3.41 | ci3359251 |
| 1932-08-30T02:50:22.820Z | 33.7483333 | -116.9661667 | 6 | 3.57 | ci3359241 |
| 1932-07-14T21:27:49.310Z | 34.4445 | -116.0193333 | 6 | 3.56 | ci3359115 |

**APPENDIX B**

SEISMIC DESIGN MAP AND REPORT
SITE-SPECIFIC GROUND MOTION PARAMETERS

# Skilled Nursing Facility; Gerald Ford Drive, Rancho Mirage

**Latitude, Longitude: 33.7881, -116.4051**


| | |
|---|---|
| **Date** | 6/28/2023, 10:44:40 AM |
| **Design Code Reference Document** | ASCE7-16 |
| **Risk Category** | IV |
| **Site Class** | D - Stiff Soil |

| Type | Value | Description |
|---|---|---|
| $S_S$ | 1.714 | $MCE_R$ ground motion. (for 0.2 second period) |
| $S_1$ | 0.71 | $MCE_R$ ground motion. (for 1.0s period) |
| $S_{MS}$ | 1.714 | Site-modified spectral acceleration value |
| $S_{M1}$ | null -See Section 11.4.8 | Site-modified spectral acceleration value |
| $S_{DS}$ | 1.143 | Numeric seismic design value at 0.2 second SA |
| $S_{D1}$ | null -See Section 11.4.8 | Numeric seismic design value at 1.0 second SA |

| Type | Value | Description |
|---|---|---|
| SDC | null -See Section 11.4.8 | Seismic design category |
| $F_a$ | 1 | Site amplification factor at 0.2 second |
| $F_v$ | null -See Section 11.4.8 | Site amplification factor at 1.0 second |
| PGA | 0.746 | $MCE_G$ peak ground acceleration |
| $F_{PGA}$ | 1.1 | Site amplification factor at PGA |
| $PGA_M$ | 0.821 | Site modified peak ground acceleration |
| $T_L$ | 8 | Long-period transition period in seconds |
| SsRT | 2.043 | Probabilistic risk-targeted ground motion. (0.2 second) |
| SsUH | 2.274 | Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration |
| SsD | 1.714 | Factored deterministic acceleration value. (0.2 second) |
| S1RT | 0.799 | Probabilistic risk-targeted ground motion. (1.0 second) |
| S1UH | 0.905 | Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration. |
| S1D | 0.71 | Factored deterministic acceleration value. (1.0 second) |
| PGAd | 0.746 | Factored deterministic acceleration value. (Peak Ground Acceleration) |
| $PGA_{UH}$ | 0.892 | Uniform-hazard (2% probability of exceedance in 50 years) Peak Ground Acceleration |
| $C_{RS}$ | 0.899 | Mapped value of the risk coefficient at short periods |

| Type | Value | Description |
| --- | --- | --- |
| $C_{R1}$ | 0.883 | Mapped value of the risk coefficient at a period of 1 s |
| $C_V$ | 1.443 | Vertical coefficient |

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# SITE-SPECIFIC GROUND MOTION ANALYSIS
## (ASCE 7-16)

**Project:** Skilled Nursing Facility; Gerald Ford Drive, Rancho Mirage
**Project Number:** 544-23112
**Client:** Prest Vuksic Architects
**Site Lat/Long:** 33.7881/-116.4051
**Controlling Seismic Source:** San Andreas

| REFERENCE | NOTATION | VALUE |
|---|---|---|
| Site Class | C, D, D default, or E | D measured |
| Site Class D - Table 11.4-1 | $F_a$ | 1.0 |
| Site Class D - 21.3(ii) | $F_v$ | 2.5 |
| $0.2*(S_{D1}/S_{DS})$ | $T_0$ | 0.207 |
| $S_{D1}/S_{DS}$ | $T_S$ | 1.036 |
| Fundamental Period (12.8.2) | T | Period |
| Seismic Design Maps or Fig 22-14 | $T_L$ | 8 |
| Equation 11.4-4 - $2/3*S_{M1}$ | $S_{D1}$ | 1.1833 |
| Equation 11.4-2 - $F_V*S_1$ [1] | $S_{M1}$ | 1.7750 |

[1] - $F_V$ as determined by Section 21.3

| REFERENCE | NOTATION | VALUE |
|---|---|---|
| Fv (Table 11.4-2)[Used for General Spectrum] | $F_v$ | 1.7 |
| Design Maps | $S_s$ | 1.714 |
| Design Maps | $S_1$ | 0.710 |
| Equation 11.4-1 - $F_A*S_S$ | $S_{MS}$ | 1.714* |
| Equation 11.4-3 - $2/3*S_{MS}$ | $S_{DS}$ | 1.143* |
| Design Maps | PGA | 0.746 |
| Table 11.8-1 | $F_{PGA}$ | 1.1 |
| Equation 11.8-1 - $F_{PGA}*PGA$ | $PGA_M$ | 0.821* |
| Section 21.5.3 | 80% of $PGA_M$ | 0.656 |
| Design Maps | $C_{RS}$ | 0.899 |
| Design Maps | $C_{R1}$ | 0.883 |

| REFERENCE | NOTATION | VALUE |
|---|---|---|
| $0.2*(S_{D1}/S_{DS})$ | $T_0$ | 0.141* |
| $S_{D1}/S_{DS}$ | $T_S$ | 0.704* |
| Equation 11.4-4 - $2/3*S_{M1}$ | $S_{D1}$ | 0.8047* |
| Equation 11.4-2 - $F_V*S_1$ | $S_{M1}$ | 1.207* |

**RISK COEFFICIENT**

| | | |
|---|---|---|
| Cr - At Perods <=0.2, Cr=$C_{RS}$ | $C_{RS}$ | 0.899 |
| Cr - At Periods >=1.0, Cr=$C_{R1}$ | $C_{R1}$ | 0.883 |

Cr - At Periods between 0.2 and 1.0 use trendline formula to complete

| Period | Cr |
|---|---|
| 0.200 | 0.899 |
| 0.300 | 0.897 |
| 0.400 | 0.895 |
| 0.500 | 0.893 |
| 0.600 | 0.891 |
| 0.680 | 0.889 |
| 1.000 | 0.883 |

* **Code based design value**. See accompanying data for Site Specific Design values.

Mapped values from https://hazards.atcouncil.org/
https://www.seismicmaps.org/

Sladden Engineering

**PROBABILISTIC SPECTRA[1]**
**2% in 50 year Exceedence**

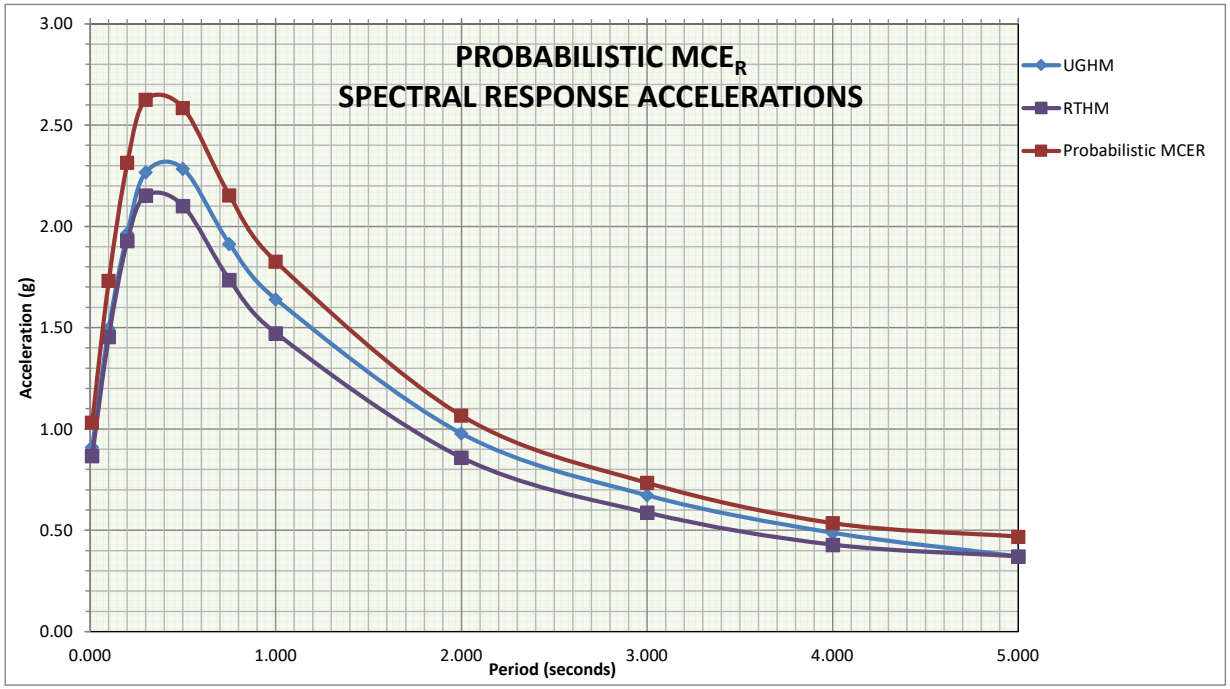
Project No: 544-23112

| Period | UGHM | RTGM | Max Directional Scale Factor[2] | Probabilistic MCE |
|---|---|---|---|---|
| 0.010 | 0.911 | 0.868 | 1.19 | 1.033 |
| 0.100 | 1.497 | 1.456 | 1.19 | 1.733 |
| 0.200 | 1.966 | 1.929 | 1.20 | 2.315 |
| 0.300 | 2.268 | 2.153 | 1.22 | 2.627 |
| 0.500 | 2.285 | 2.102 | 1.23 | 2.585 |
| 0.750 | 1.914 | 1.737 | 1.24 | 2.154 |
| 1.000 | 1.641 | 1.473 | 1.24 | 1.827 |
| 2.000 | 0.978 | 0.860 | 1.24 | 1.066 |
| 3.000 | 0.673 | 0.588 | 1.25 | 0.735 |
| 4.000 | 0.488 | 0.429 | 1.25 | 0.536 |
| 5.000 | 0.372 | 0.372 | 1.26 | 0.469 |

Probabilistic PGA: 0.911
Is Probabilistic $Sa_{(max)}$<$1.2F_a$? NO

[1] Data Sources:
https://earthquake.usgs.gov/hazards/interactive/
https://earthquake.usgs.gov/designmaps/rtgm/

[2] Shahi-Baker RotD100/RotD50 Factors (2014)




Sladden Engineering

## DETERMINISTIC SPECTRUM

**Largest Amplitudes of Ground Motions Considering All Sources Calculated using Weighted Mean of Attenuation Equations[1]**

**Controlling Source: San Andreas**

Is Probabilistic $Sa_{(max)}$<1.2Fa? NO

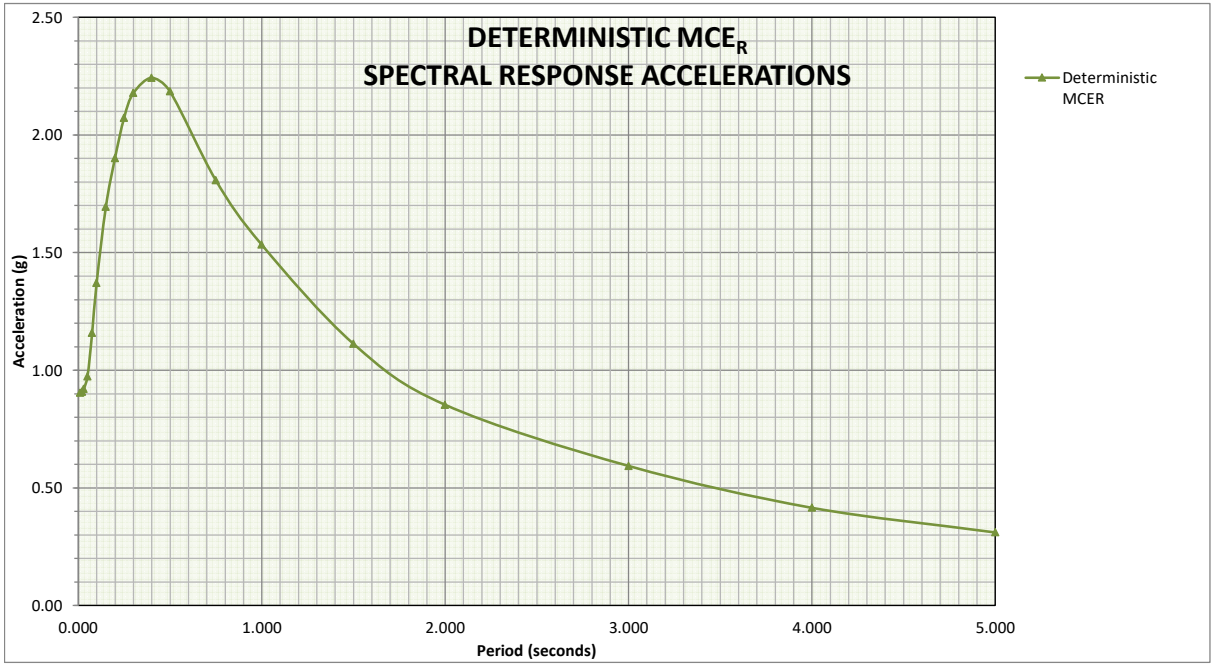
| Period | Deterministic PSa Median + 1.σ for 5% Damping | Max Directional Scale Factor[2] | Deterministic MCE | Section 21.2.2 Scaling Factor Applied |
|---|---|---|---|---|
| 0.010 | 0.759 | 1.19 | 0.904 | 0.904 |
| 0.020 | 0.763 | 1.19 | 0.908 | 0.908 |
| 0.030 | 0.774 | 1.19 | 0.921 | 0.921 |
| 0.050 | 0.818 | 1.19 | 0.973 | 0.973 |
| 0.075 | 0.974 | 1.19 | 1.159 | 1.159 |
| 0.100 | 1.152 | 1.19 | 1.371 | 1.371 |
| 0.150 | 1.412 | 1.20 | 1.695 | 1.695 |
| 0.200 | 1.584 | 1.20 | 1.901 | 1.901 |
| 0.250 | 1.713 | 1.21 | 2.073 | 2.073 |
| 0.300 | 1.786 | 1.22 | 2.178 | 2.178 |
| 0.400 | 1.824 | 1.23 | 2.243 | 2.243 |
| 0.500 | 1.777 | 1.23 | 2.185 | 2.185 |
| 0.750 | 1.458 | 1.24 | 1.808 | 1.808 |
| 1.000 | 1.237 | 1.24 | 1.534 | 1.534 |
| 1.500 | 0.897 | 1.24 | 1.113 | 1.113 |
| 2.000 | 0.688 | 1.24 | 0.853 | 0.853 |
| 3.000 | 0.475 | 1.25 | 0.593 | 0.593 |
| 4.000 | 0.333 | 1.25 | 0.416 | 0.416 |
| 5.000 | 0.247 | 1.26 | 0.311 | 0.311 |

Project No: 544-23112

| | |
|---|---|
| Is Determinstic $Sa_{(max)}$<1.5*Fa? | NO |
| Section 21.2.2 Scaling Factor: | N/A |
| Deterministic PGA: | 0.759 |
| Is Deterministic PGA >=$F_{PGA}$*0.5? | YES |

[1] NGAWest 2 GMPE worksheet and Uniform California Earthquake Rupture Forecast, Version 3 (UCERF3) - Time Dependent Model

[2] Shahi-Baker RotD100/RotD50 Factors (2014)




Sladden Engineering

## SITE SPECIFIC SPECTRA

| Period | Probabilistic MCE | Deterministic MCE | Site-Specific MCE | Design Response Spectrum (Sa) |
|---|---|---|---|---|
| 0.010 | 1.033 | 0.904 | 0.904 | 0.603 |
| 0.100 | 1.733 | 1.371 | 1.371 | 0.914 |
| 0.200 | 2.315 | 1.901 | 1.901 | 1.267 |
| 0.300 | 2.627 | 2.178 | 2.178 | 1.452 |
| 0.500 | 2.585 | 2.185 | 2.185 | 1.457 |
| 0.750 | 2.154 | 1.808 | 1.808 | 1.205 |
| 1.000 | 1.827 | 1.534 | 1.534 | 1.022 |
| 2.000 | 1.066 | 0.853 | 0.853 | 0.568 |
| 3.000 | 0.735 | 0.593 | 0.593 | 0.395 |
| 4.000 | 0.536 | 0.416 | 0.416 | 0.277 |
| 5.000 | 0.469 | 0.311 | 0.311 | 0.207 |

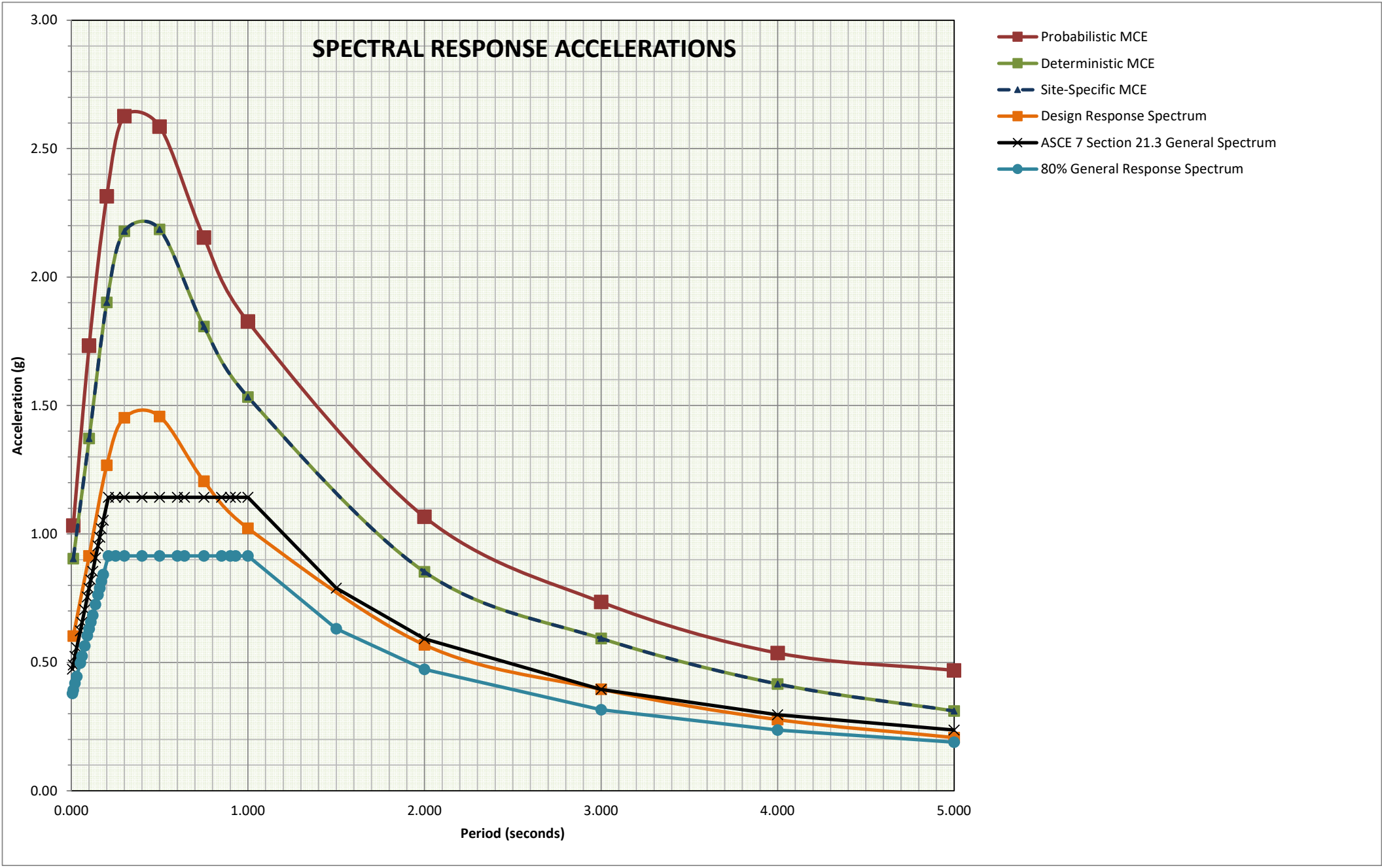
**ASCE 7-16: Section 21.4**
**Site Specific**

| | Calculated Value | Design Value |
|---|---|---|
| **SDS:** | 1.311 | 1.311 |
| **SD1:** | 1.186 | 1.186 |
| **SMS:** | 1.967 | 1.967 |
| **SM1:** | 1.779 | 1.779 |
| **Site Specific PGAm:** | 0.759 | 0.759 |
| **Site Class:** | D measured | |

**Seismic Design Category - Short*** D
**Seismic Design Category - 1s*** D
* Risk Categories I, II, or III

| Period | ASCE 7 SECTION 21.3 General Spectrum | 80% General Response Spectrum |
|---|---|---|
| 0.005 | 0.474 | 0.379 |
| 0.010 | 0.490 | 0.392 |
| 0.020 | 0.523 | 0.419 |
| 0.030 | 0.556 | 0.445 |
| 0.050 | 0.623 | 0.498 |
| 0.060 | 0.656 | 0.525 |
| 0.075 | 0.705 | 0.564 |
| 0.090 | 0.755 | 0.604 |
| 0.100 | 0.788 | 0.630 |
| 0.110 | 0.821 | 0.657 |
| 0.120 | 0.854 | 0.683 |
| 0.136 | 0.907 | 0.726 |
| 0.150 | 0.954 | 0.763 |
| 0.160 | 0.987 | 0.789 |
| 0.170 | 1.020 | 0.816 |
| 0.180 | 1.053 | 0.842 |
| 0.210 | 1.143 | 0.914 |
| 0.250 | 1.143 | 0.914 |
| 0.300 | 1.143 | 0.914 |
| 0.400 | 1.143 | 0.914 |
| 0.500 | 1.143 | 0.914 |
| 0.600 | 1.143 | 0.914 |
| 0.640 | 1.143 | 0.914 |
| 0.750 | 1.143 | 0.914 |
| 0.850 | 1.143 | 0.914 |
| 0.900 | 1.143 | 0.914 |
| 0.930 | 1.143 | 0.914 |
| 1.000 | 1.143 | 0.914 |
| 1.500 | 0.789 | 0.631 |
| 2.000 | 0.592 | 0.473 |
| 3.000 | 0.394 | 0.316 |
| 4.000 | 0.296 | 0.237 |
| 5.000 | 0.237 | 0.189 |

Project No: 544-23112


SPECTRAL RESPONSE ACCELERATIONS
Acceleration (g)
3.00
2.50
2.00
1.50
1.00
0.50
0.00
0.000
1.000
2.000
3.000
4.000
5.000
Period (seconds)
Probabilistic MCE
Deterministic MCE
Site-Specific MCE
Design Response Spectrum
ASCE 7 Section 21.3 General Spectrum
80% General Response Spectrum

**APPENDIX C**

RIVERSIDE COUNTY PARCEL REPORT

# Riverside County Parcel Report

APN(s):685120003,685120004

## DISCLAIMER

Maps, permit information and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.

## MAPS/IMAGES


## PARCEL

| | | | |
|---|---|---|---|
| APN | 685-120-003-9, 685-120-004-0 | Supervisorial District | Boundaries for Districts 2, 4 and 5 will be updated in January, 2023. Boundaries for Districts 1 and 3 will be updated in January, 2025. V MANUEL PEREZ, DISTRICT 4 |
| Previous APN | 685120003<br>618560012<br>685120004<br>618560013 | Township/Range | T4SR6E SEC 30 S |
| Owner Name | NOT AVAILABLE ONLINE | Elevation | 312 ft |
| Address | | Thomas Bros. Map Page/Grid | PAGE: 788, GRID: C6 |
| Mailing Address | 685120003<br>310 W PARK LN STE 3<br>FARMINGTON UT 84025<br><br>685120004<br>310 W PARK LN STE 3<br>FARMINGTON UT 84025 | Indian Tribal Land | NOT IN A TRIBAL LAND |

| | | | |
|---|---|---|---|
| Legal Description | 685120003<br>Recorded Book/Page: /<br>Subdivsion Name:<br>Lot/Parcel:<br>Block:<br>Tract Number:<br><br>685120004<br>Recorded Book/Page: /<br>Subdivsion Name:<br>Lot/Parcel:<br>Block:<br>Tract Number: | City Boundary | RANCHO MIRAGE |
| | | City Spheres of influence | NOT IN A CITY SPHERE |
| Lot Size | 685120003<br>Recorded lot size is 3.11 acres<br><br>685120004<br>Recorded lot size is 2.56 acres | March Joint Powers Authority | NOT IN THE JURISDICTION OF THE MARCH JOINT POWERS AUTHORITY |
| Property Characteristcs | 685120003<br>Year Constructed:<br>Baths:<br>Bedrooms:<br>Construction Type:<br>Garage Type:<br>Property Area (sq ft):<br>Roof Type:<br>Stories:<br>Pool: NO<br>Central Cool: NO<br>Central Heat: NO<br><br>685120004<br>Year Constructed:<br>Baths:<br>Bedrooms:<br>Construction Type:<br>Garage Type:<br>Property Area (sq ft):<br>Roof Type:<br>Stories:<br>Pool: NO<br>Central Cool: NO<br>Central Heat: NO | County Service Area | NOT IN A COUNTY SERVICE AREA |
| Annexation Date | 94-02-4<br>06/29/1994 | LAFCO Case | 94-02-4<br>06/29/1994 |
| Proposals | N/A | | |

**PLANNING more...**

| | | | |
|---|---|---|---|
| Specific Plans | NOT IN A SPECIFIC PLAN | Historic Preservation Districts | NOT IN A HISTORIC PRESERVATION DISTRICT |

| | | | |
|---|---|---|---|
| Land Use Designations | CITY | Agricultural Preserve | NOT IN AN AGRICULTRAL PRESERVE |
| General Plan Policy Overlays | N/A | | |
| Area Plan (RCIP) | Western Coachella Valley | Airport Influence Areas | NOT IN AN AIRPORT INFLUENCE AREA |
| General Plan Policy Areas | NOT IN A GENERAL PLAN POLICY AREA | Airport Compatibility Zones | NOT IN AN AIRPORT COMPATIBLITY AREA |
| Zoning Classifications (ORD. 348) | CHECK WITH THE CITY FOR MORE INFORMATION | Zoning Districts and Zoning Areas | NOT IN A ZONING DISTRICT/AREA |
| Zoning Overlays | NOT IN A ZONING OVERLAY | Community Advisory Councils | NOT IN A COMMUNITY ADVISORY COUNCIL |
| Enviromental Justice Communities | NOT IN AN ENVIRONMENTAL JUSTICE COMMUNITY | | |

Residential Permit Stats

N/A

## ENVIRONMENTAL more...

| | | | |
|---|---|---|---|
| CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Plan Area | COACHELLA VALLEY | WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Cell Group | NOT IN A CELL GROUP |
| CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Conservation Area | NOT COACHELLA VALLEY CONSERVATION AREA | WRMSHCP Cell Number | NOT IN A CELL NUMBER |
| CVMSHCP Fluvial Sand Transport Special Provision Areas | NOT IN A FLUVIAL SAND TRANSPORT SPECIAL PROVISION AREA | HANS/ERP (Habitat Acquisition and Negotiation Strategy/Expedited Review Process) | NOT IN A HANS/ERP PROJECT |
| WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Plan Area | NOT IN A WESTERN RIVERSIDE COUNTY PLAN FEE AREA | Vegetation (2005) | NOT IN A VEGETATION AREA |

## Fire

| | | | |
|---|---|---|---|
| Fire Hazard Classification (Ord. 787) | NOT IN A FIRE HAZARD ZONE | Fire Responsibility Area | NOT IN A FIRE RESPONSIBILITY AREA |

## DEVELOPMENT FEES

| | | | |
|---|---|---|---|
| CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Fee Area (Ord 875) | COACHELLA VALLEY | RBBD (Road & Bridge Benefit District) | NOT IN A ROAD BRIDGE BENEFIT DISTRICT |
| WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Fee Area (Ord. 810) | NOT IN A WESTERN RIVERSIDE COUNTY PLAN FEE AREA | DIF (Development Impact Fee Area Ord. 659) | WESTERN COACHELLA VALLEY, AREA 2 |
| Western TUMF (Transportation Uniform Mitigation Fee Ord. 824) | NOT IN THE WESTERN TUMF FEE AREA | SKR Fee Area (Stephenâ€™s Kagaroo Rat Ord. 663.10) | NOT IN THE SKR FEE AREA |
| Eastern TUMF (Transportation Uniform Mitigation Fee Ord. 673) | IN OR PARTIALLY WITHIN A TUMF FEE AREA | DA (Development Agreements) | NOT IN A DEVELOPMENT AGREEMENT |

## TRANSPORTATION more...

| | | | |
|---|---|---|---|
| Circulation Element Ultimate Right-of-Way | IN OR PARTIALLY WITHIN A CIRCULATION ELEMENT RIGHT-OF-WAY | Road Book Page | 187 |
| | | Transportation Agreements | NOT IN A TRANS AGREEMENT |
| | | CETAP (Community and Environmental Transportation Acceptability Process) Corridors | NOT IN A CETAP CORRIDOR |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Flood Plan Review | OUTSIDE FLOODPLAIN, REVIEW NOT REQUIRED | Watershed | WHITEWATER |
| Water District | COACHELLA VALLEY WATER DISTRICT | | |
| Flood Control District | COACHELLA VALLEY WATER DISTRICT | | |

## GEOLOGIC

| | | | |
|---|---|---|---|
| Fault Zone | NOT IN A FAULT ZONE | Paleontological Sensitivity | LOW POTENTIAL (L): FOLLOWING A LITERATURE SEARCH, RECORDS CHECK AND A FIELD SURVEY, AREAS MAY BE DETERMINED BY A QUALIFIED VERTEBRATE PALEONTOLOGIST AS HAVING LOW POTENTIAL FOR CONTAINING SIGNIFICANT PALEONTOLOGICAL RESOURCES SUBJECT TO ADVERSE IMPACTS. |
| Faults | NOT IN A FAULT LINE | | |
| Liquefaction Potential | MODERATE | | |
| Subsidence | SUSCEPTIBLE | | |

## MISCELLANEOUS

| | |
|---|---|
| School District | PALM SPRINGS UNIFIED |
| Communities | RANCHO MIRAGE |
| Lighting (Ord. 655) | ZONE: B |
| Census Tract | 449.21 |
| Farmland | OTHER LANDS<br>URBAN-BUILT UP LAND |
| Special Notes | NO SPECIAL NOTES |
| Tax Rate Areas | 017186 - CITRUS PEST CONTROL 2<br>017186 - CITY OF RANCHO MIRAGE<br>017186 - COACHELLA VALLEY RESOURCE CONS<br>017186 - COACHELLA VALLEY WATER DISTRICT<br>017186 - CSA 152<br>017186 - CV MOSQUITO & VECTOR CONTROL<br>017186 - CVWD STORM WATER UNIT<br>017186 - DESERT COMMUNITY COLLEGE<br>017186 - DESERT HOSPITAL<br>017186 - GENERAL<br>017186 - GENERAL PURPOSE<br>017186 - PALM SPRINGS PUBLIC CEMETERY<br>017186 - PALM SPRINGS UNIFIED B&I 1992-A<br>017186 - PALM SPRINGS UNIFIED SCHOOL<br>017186 - RANCHO MIRAGE CSD FIRE<br>017186 - RANCHO MIRAGE CSD LIBRARY<br>017186 - RIV CO REGIONAL PARK & OPEN SP<br>017186 - RIVERSIDE CO OFC OF EDUCATION |

## Department of Enviromental Health Permits

### Septic Permits

| Record Id | Application Date | Plan Check Approved Date | Final Inspection Date | Approved Date |
|---|---|---|---|---|
| N/A | N/A | N/A | N/A | N/A |

### Well Water Permits

| Record Id | PE | Permit Paid Date | Permit Approved Date | Well Finaled Date |
|---|---|---|---|---|
| N/A | N/A | N/A | N/A | N/A |

## PLUS PERMITS & CASES

### Administrative Cases

| Case | Case Description | Status |
|---|---|---|

| | | |
|---|---|---|
| N/A | N/A | N/A |

**Building and Safety Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**Code Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**Fire Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**Planning Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**Survey Cases**

| Case | Case Description | Status |
|---|---|---|
| MAP34238 | | ISSUED |
| ROS03034 | AT THE REQUEST OF LAURICH PROPERTIES | RECORDED |

**Transportation Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**APPENDIX D**

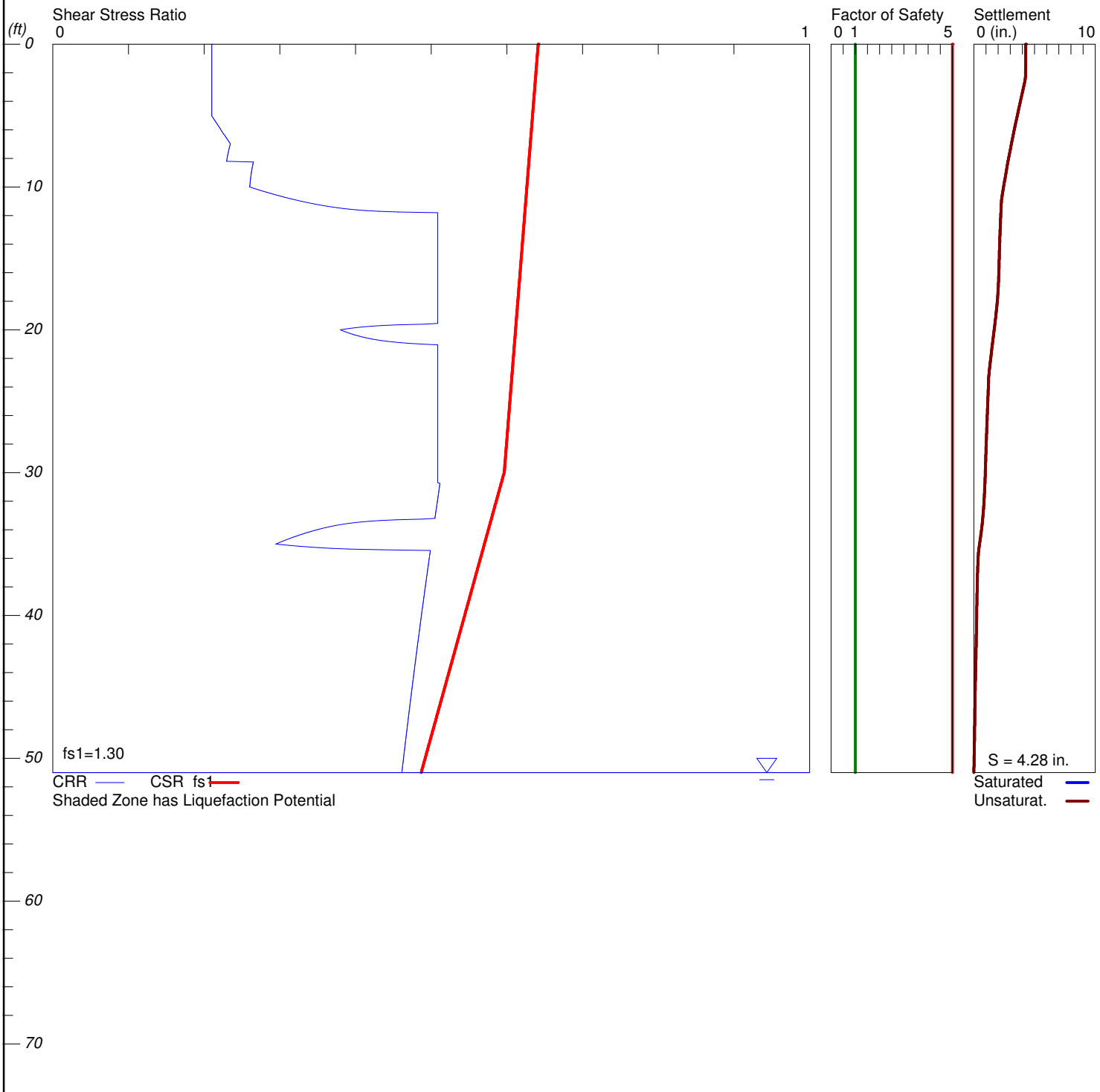
SEISMIC SETTLEMENT ANALYSES

# DYNAMIC SETTLEMENT ANALYSIS

## NEC Bob Hope Drive and Gerald Ford Drive, Rancho M

***Hole No.=BH-1  Water Depth=51 ft  Surface Elev.=300 Ft MSL***

***Magnitude=7.45***
***Acceleration=0.759g***



**********
LIQUEFACTION ANALYSIS SUMMARY



**********
Font: Courier New, Regular, Size 8 is recommended for this report.
Licensed to ,  7/18/2023  8:19:24 AM

Input File Name: D:\Liquefy5\544-23112 BH-1.liq
Title:  NEC Bob Hope Drive and Gerald Ford Drive, Rancho M
Subtitle:  Proposed Skilled Nursing Facility

Surface Elev.=300 Ft MSL
Hole No.=BH-1
Depth of Hole= 51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration= 0.76 g
Earthquake Magnitude= 7.45

Input Data:
Surface Elev.=300 Ft MSL
Hole No.=BH-1
Depth of Hole=51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration=0.76 g
Earthquake Magnitude=7.45
No-Liquefiable Soils:  CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
2. Settlement Analysis Method: Ishihara / Yoshimine
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.25
7. Borehole Diameter, Cb= 1
8. Sampling Method, Cs= 1
9. User request factor of safety (apply to CSR) ,  User= 1.3
   Plot one CSR curve (fs1=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:
Depth  SPT  gamma  Fines

| ft | | pcf | % |
|---|---|---|---|
| 0.00 | 12.00 | 105.00 | 5.10 |
| 5.00 | 12.00 | 105.00 | 5.00 |
| 10.00 | 15.00 | 105.00 | 7.40 |
| 15.00 | 32.60 | 105.00 | 6.60 |
| 20.00 | 24.00 | 105.00 | 6.50 |
| 25.00 | 32.00 | 108.50 | 5.20 |
| 30.00 | 38.00 | 108.50 | 7.20 |
| 35.00 | 27.30 | 112.70 | 4.20 |
| 40.00 | 85.00 | 112.70 | 8.40 |
| 45.00 | 66.60 | 112.70 | 4.80 |
| 50.00 | 47.00 | 112.70 | 9.60 |

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=4.28 in.
Total Settlement of Saturated and Unsaturated Sands=4.28 in.
Differential Settlement=2.139 to 2.823 in.

| Depth ft | CRRm | CSRfs | F.S. | S_sat. in. | S_dry in. | S_all in. |
|---|---|---|---|---|---|---|
| 0.00 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.05 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.10 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.15 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.20 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.25 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.30 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.35 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.40 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.45 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.50 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.55 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.60 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.65 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.70 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.75 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 0.80 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 0.85 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 0.90 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 0.95 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.00 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.05 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.10 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.15 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.20 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.25 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.30 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.35 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.40 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.45 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.50 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.55 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.60 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.65 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.70 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.75 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.80 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 1.85 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 1.90 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 1.95 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 2.00 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 2.05 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 2.10 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 2.15 | 0.21 | 0.64 | 5.00 | 0.00 | 4.25 | 4.25 |
| 2.20 | 0.21 | 0.64 | 5.00 | 0.00 | 4.25 | 4.25 |
| 2.25 | 0.21 | 0.64 | 5.00 | 0.00 | 4.25 | 4.25 |
| 2.30 | 0.21 | 0.64 | 5.00 | 0.00 | 4.25 | 4.25 |
| 2.35 | 0.21 | 0.64 | 5.00 | 0.00 | 4.24 | 4.24 |
| 2.40 | 0.21 | 0.64 | 5.00 | 0.00 | 4.24 | 4.24 |
| 2.45 | 0.21 | 0.64 | 5.00 | 0.00 | 4.23 | 4.23 |
| 2.50 | 0.21 | 0.64 | 5.00 | 0.00 | 4.22 | 4.22 |
| 2.55 | 0.21 | 0.64 | 5.00 | 0.00 | 4.21 | 4.21 |
| 2.60 | 0.21 | 0.64 | 5.00 | 0.00 | 4.20 | 4.20 |
| 2.65 | 0.21 | 0.64 | 5.00 | 0.00 | 4.19 | 4.19 |
| 2.70 | 0.21 | 0.64 | 5.00 | 0.00 | 4.18 | 4.18 |
| 2.75 | 0.21 | 0.64 | 5.00 | 0.00 | 4.16 | 4.16 |
| 2.80 | 0.21 | 0.64 | 5.00 | 0.00 | 4.15 | 4.15 |
| 2.85 | 0.21 | 0.64 | 5.00 | 0.00 | 4.14 | 4.14 |
| 2.90 | 0.21 | 0.64 | 5.00 | 0.00 | 4.12 | 4.12 |
| 2.95 | 0.21 | 0.64 | 5.00 | 0.00 | 4.11 | 4.11 |
| 3.00 | 0.21 | 0.64 | 5.00 | 0.00 | 4.10 | 4.10 |
| 3.05 | 0.21 | 0.64 | 5.00 | 0.00 | 4.08 | 4.08 |
| 3.10 | 0.21 | 0.64 | 5.00 | 0.00 | 4.07 | 4.07 |
| 3.15 | 0.21 | 0.64 | 5.00 | 0.00 | 4.06 | 4.06 |
| 3.20 | 0.21 | 0.64 | 5.00 | 0.00 | 4.05 | 4.05 |
| 3.25 | 0.21 | 0.64 | 5.00 | 0.00 | 4.03 | 4.03 |
| 3.30 | 0.21 | 0.64 | 5.00 | 0.00 | 4.02 | 4.02 |
| 3.35 | 0.21 | 0.64 | 5.00 | 0.00 | 4.01 | 4.01 |
| 3.40 | 0.21 | 0.64 | 5.00 | 0.00 | 3.99 | 3.99 |
| 3.45 | 0.21 | 0.64 | 5.00 | 0.00 | 3.98 | 3.98 |
| 3.50 | 0.21 | 0.64 | 5.00 | 0.00 | 3.97 | 3.97 |
| 3.55 | 0.21 | 0.64 | 5.00 | 0.00 | 3.95 | 3.95 |
| 3.60 | 0.21 | 0.64 | 5.00 | 0.00 | 3.94 | 3.94 |
| 3.65 | 0.21 | 0.64 | 5.00 | 0.00 | 3.93 | 3.93 |
| 3.70 | 0.21 | 0.64 | 5.00 | 0.00 | 3.91 | 3.91 |
| 3.75 | 0.21 | 0.64 | 5.00 | 0.00 | 3.90 | 3.90 |

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|---|---|---|---|---|---|---|
| 3.80 | 0.21 | 0.64 | 5.00 | 0.00 | 3.89 | 3.89 |
| 3.85 | 0.21 | 0.64 | 5.00 | 0.00 | 3.88 | 3.88 |
| 3.90 | 0.21 | 0.64 | 5.00 | 0.00 | 3.86 | 3.86 |
| 3.95 | 0.21 | 0.64 | 5.00 | 0.00 | 3.85 | 3.85 |
| 4.00 | 0.21 | 0.64 | 5.00 | 0.00 | 3.84 | 3.84 |
| 4.05 | 0.21 | 0.64 | 5.00 | 0.00 | 3.82 | 3.82 |
| 4.10 | 0.21 | 0.64 | 5.00 | 0.00 | 3.81 | 3.81 |
| 4.15 | 0.21 | 0.64 | 5.00 | 0.00 | 3.80 | 3.80 |
| 4.20 | 0.21 | 0.64 | 5.00 | 0.00 | 3.78 | 3.78 |
| 4.25 | 0.21 | 0.63 | 5.00 | 0.00 | 3.77 | 3.77 |
| 4.30 | 0.21 | 0.63 | 5.00 | 0.00 | 3.76 | 3.76 |
| 4.35 | 0.21 | 0.63 | 5.00 | 0.00 | 3.74 | 3.74 |
| 4.40 | 0.21 | 0.63 | 5.00 | 0.00 | 3.73 | 3.73 |
| 4.45 | 0.21 | 0.63 | 5.00 | 0.00 | 3.72 | 3.72 |
| 4.50 | 0.21 | 0.63 | 5.00 | 0.00 | 3.71 | 3.71 |
| 4.55 | 0.21 | 0.63 | 5.00 | 0.00 | 3.69 | 3.69 |
| 4.60 | 0.21 | 0.63 | 5.00 | 0.00 | 3.68 | 3.68 |
| 4.65 | 0.21 | 0.63 | 5.00 | 0.00 | 3.67 | 3.67 |
| 4.70 | 0.21 | 0.63 | 5.00 | 0.00 | 3.65 | 3.65 |
| 4.75 | 0.21 | 0.63 | 5.00 | 0.00 | 3.64 | 3.64 |
| 4.80 | 0.21 | 0.63 | 5.00 | 0.00 | 3.63 | 3.63 |
| 4.85 | 0.21 | 0.63 | 5.00 | 0.00 | 3.62 | 3.62 |
| 4.90 | 0.21 | 0.63 | 5.00 | 0.00 | 3.61 | 3.61 |
| 4.95 | 0.21 | 0.63 | 5.00 | 0.00 | 3.59 | 3.59 |
| 5.00 | 0.21 | 0.63 | 5.00 | 0.00 | 3.58 | 3.58 |
| 5.05 | 0.21 | 0.63 | 5.00 | 0.00 | 3.57 | 3.57 |
| 5.10 | 0.21 | 0.63 | 5.00 | 0.00 | 3.55 | 3.55 |
| 5.15 | 0.21 | 0.63 | 5.00 | 0.00 | 3.54 | 3.54 |
| 5.20 | 0.21 | 0.63 | 5.00 | 0.00 | 3.53 | 3.53 |
| 5.25 | 0.21 | 0.63 | 5.00 | 0.00 | 3.51 | 3.51 |
| 5.30 | 0.21 | 0.63 | 5.00 | 0.00 | 3.50 | 3.50 |
| 5.35 | 0.21 | 0.63 | 5.00 | 0.00 | 3.49 | 3.49 |
| 5.40 | 0.21 | 0.63 | 5.00 | 0.00 | 3.48 | 3.48 |
| 5.45 | 0.22 | 0.63 | 5.00 | 0.00 | 3.46 | 3.46 |
| 5.50 | 0.22 | 0.63 | 5.00 | 0.00 | 3.45 | 3.45 |
| 5.55 | 0.22 | 0.63 | 5.00 | 0.00 | 3.44 | 3.44 |
| 5.60 | 0.22 | 0.63 | 5.00 | 0.00 | 3.43 | 3.43 |
| 5.65 | 0.22 | 0.63 | 5.00 | 0.00 | 3.41 | 3.41 |
| 5.70 | 0.22 | 0.63 | 5.00 | 0.00 | 3.40 | 3.40 |
| 5.75 | 0.22 | 0.63 | 5.00 | 0.00 | 3.39 | 3.39 |
| 5.80 | 0.22 | 0.63 | 5.00 | 0.00 | 3.38 | 3.38 |
| 5.85 | 0.22 | 0.63 | 5.00 | 0.00 | 3.36 | 3.36 |
| 5.90 | 0.22 | 0.63 | 5.00 | 0.00 | 3.35 | 3.35 |
| 5.95 | 0.22 | 0.63 | 5.00 | 0.00 | 3.34 | 3.34 |
| 6.00 | 0.22 | 0.63 | 5.00 | 0.00 | 3.33 | 3.33 |
| 6.05 | 0.22 | 0.63 | 5.00 | 0.00 | 3.31 | 3.31 |
| 6.10 | 0.22 | 0.63 | 5.00 | 0.00 | 3.30 | 3.30 |
| 6.15 | 0.22 | 0.63 | 5.00 | 0.00 | 3.29 | 3.29 |
| 6.20 | 0.22 | 0.63 | 5.00 | 0.00 | 3.28 | 3.28 |
| 6.25 | 0.23 | 0.63 | 5.00 | 0.00 | 3.27 | 3.27 |

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|---|---|---|---|---|---|---|
| 6.30 | 0.23 | 0.63 | 5.00 | 0.00 | 3.25 | 3.25 |
| 6.35 | 0.23 | 0.63 | 5.00 | 0.00 | 3.24 | 3.24 |
| 6.40 | 0.23 | 0.63 | 5.00 | 0.00 | 3.23 | 3.23 |
| 6.45 | 0.23 | 0.63 | 5.00 | 0.00 | 3.22 | 3.22 |
| 6.50 | 0.23 | 0.63 | 5.00 | 0.00 | 3.21 | 3.21 |
| 6.55 | 0.23 | 0.63 | 5.00 | 0.00 | 3.19 | 3.19 |
| 6.60 | 0.23 | 0.63 | 5.00 | 0.00 | 3.18 | 3.18 |
| 6.65 | 0.23 | 0.63 | 5.00 | 0.00 | 3.17 | 3.17 |
| 6.70 | 0.23 | 0.63 | 5.00 | 0.00 | 3.16 | 3.16 |
| 6.75 | 0.23 | 0.63 | 5.00 | 0.00 | 3.15 | 3.15 |
| 6.80 | 0.23 | 0.63 | 5.00 | 0.00 | 3.14 | 3.14 |
| 6.85 | 0.23 | 0.63 | 5.00 | 0.00 | 3.12 | 3.12 |
| 6.90 | 0.23 | 0.63 | 5.00 | 0.00 | 3.11 | 3.11 |
| 6.95 | 0.23 | 0.63 | 5.00 | 0.00 | 3.10 | 3.10 |
| 7.00 | 0.23 | 0.63 | 5.00 | 0.00 | 3.09 | 3.09 |
| 7.05 | 0.23 | 0.63 | 5.00 | 0.00 | 3.08 | 3.08 |
| 7.10 | 0.23 | 0.63 | 5.00 | 0.00 | 3.07 | 3.07 |
| 7.15 | 0.23 | 0.63 | 5.00 | 0.00 | 3.06 | 3.06 |
| 7.20 | 0.23 | 0.63 | 5.00 | 0.00 | 3.04 | 3.04 |
| 7.25 | 0.23 | 0.63 | 5.00 | 0.00 | 3.03 | 3.03 |
| 7.30 | 0.23 | 0.63 | 5.00 | 0.00 | 3.02 | 3.02 |
| 7.35 | 0.23 | 0.63 | 5.00 | 0.00 | 3.01 | 3.01 |
| 7.40 | 0.23 | 0.63 | 5.00 | 0.00 | 3.00 | 3.00 |
| 7.45 | 0.23 | 0.63 | 5.00 | 0.00 | 2.99 | 2.99 |
| 7.50 | 0.23 | 0.63 | 5.00 | 0.00 | 2.98 | 2.98 |
| 7.55 | 0.23 | 0.63 | 5.00 | 0.00 | 2.96 | 2.96 |
| 7.60 | 0.23 | 0.63 | 5.00 | 0.00 | 2.95 | 2.95 |
| 7.65 | 0.23 | 0.63 | 5.00 | 0.00 | 2.94 | 2.94 |
| 7.70 | 0.23 | 0.63 | 5.00 | 0.00 | 2.93 | 2.93 |
| 7.75 | 0.23 | 0.63 | 5.00 | 0.00 | 2.92 | 2.92 |
| 7.80 | 0.23 | 0.63 | 5.00 | 0.00 | 2.91 | 2.91 |
| 7.85 | 0.23 | 0.63 | 5.00 | 0.00 | 2.89 | 2.89 |
| 7.90 | 0.23 | 0.63 | 5.00 | 0.00 | 2.88 | 2.88 |
| 7.95 | 0.23 | 0.63 | 5.00 | 0.00 | 2.87 | 2.87 |
| 8.00 | 0.23 | 0.63 | 5.00 | 0.00 | 2.86 | 2.86 |
| 8.05 | 0.23 | 0.63 | 5.00 | 0.00 | 2.85 | 2.85 |
| 8.10 | 0.23 | 0.63 | 5.00 | 0.00 | 2.84 | 2.84 |
| 8.15 | 0.23 | 0.63 | 5.00 | 0.00 | 2.82 | 2.82 |
| 8.20 | 0.23 | 0.63 | 5.00 | 0.00 | 2.81 | 2.81 |
| 8.25 | 0.27 | 0.63 | 5.00 | 0.00 | 2.80 | 2.80 |
| 8.30 | 0.26 | 0.63 | 5.00 | 0.00 | 2.79 | 2.79 |
| 8.35 | 0.26 | 0.63 | 5.00 | 0.00 | 2.78 | 2.78 |
| 8.40 | 0.26 | 0.63 | 5.00 | 0.00 | 2.77 | 2.77 |
| 8.45 | 0.26 | 0.63 | 5.00 | 0.00 | 2.76 | 2.76 |
| 8.50 | 0.26 | 0.63 | 5.00 | 0.00 | 2.75 | 2.75 |
| 8.55 | 0.26 | 0.63 | 5.00 | 0.00 | 2.74 | 2.74 |
| 8.60 | 0.26 | 0.63 | 5.00 | 0.00 | 2.73 | 2.73 |
| 8.65 | 0.26 | 0.63 | 5.00 | 0.00 | 2.72 | 2.72 |
| 8.70 | 0.26 | 0.63 | 5.00 | 0.00 | 2.71 | 2.71 |
| 8.75 | 0.26 | 0.63 | 5.00 | 0.00 | 2.70 | 2.70 |

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|---|---|---|---|---|---|---|
| 8.80 | 0.26 | 0.63 | 5.00 | 0.00 | 2.69 | 2.69 |
| 8.85 | 0.26 | 0.63 | 5.00 | 0.00 | 2.68 | 2.68 |
| 8.90 | 0.26 | 0.63 | 5.00 | 0.00 | 2.67 | 2.67 |
| 8.95 | 0.26 | 0.63 | 5.00 | 0.00 | 2.66 | 2.66 |
| 9.00 | 0.26 | 0.63 | 5.00 | 0.00 | 2.65 | 2.65 |
| 9.05 | 0.26 | 0.63 | 5.00 | 0.00 | 2.64 | 2.64 |
| 9.10 | 0.26 | 0.63 | 5.00 | 0.00 | 2.63 | 2.63 |
| 9.15 | 0.26 | 0.63 | 5.00 | 0.00 | 2.62 | 2.62 |
| 9.20 | 0.26 | 0.63 | 5.00 | 0.00 | 2.61 | 2.61 |
| 9.25 | 0.26 | 0.63 | 5.00 | 0.00 | 2.60 | 2.60 |
| 9.30 | 0.26 | 0.63 | 5.00 | 0.00 | 2.59 | 2.59 |
| 9.35 | 0.26 | 0.63 | 5.00 | 0.00 | 2.58 | 2.58 |
| 9.40 | 0.26 | 0.63 | 5.00 | 0.00 | 2.57 | 2.57 |
| 9.45 | 0.26 | 0.63 | 5.00 | 0.00 | 2.56 | 2.56 |
| 9.50 | 0.26 | 0.63 | 5.00 | 0.00 | 2.55 | 2.55 |
| 9.55 | 0.26 | 0.63 | 5.00 | 0.00 | 2.54 | 2.54 |
| 9.60 | 0.26 | 0.63 | 5.00 | 0.00 | 2.53 | 2.53 |
| 9.65 | 0.26 | 0.63 | 5.00 | 0.00 | 2.52 | 2.52 |
| 9.70 | 0.26 | 0.63 | 5.00 | 0.00 | 2.51 | 2.51 |
| 9.75 | 0.26 | 0.63 | 5.00 | 0.00 | 2.50 | 2.50 |
| 9.80 | 0.26 | 0.63 | 5.00 | 0.00 | 2.49 | 2.49 |
| 9.85 | 0.26 | 0.63 | 5.00 | 0.00 | 2.48 | 2.48 |
| 9.90 | 0.26 | 0.63 | 5.00 | 0.00 | 2.47 | 2.47 |
| 9.95 | 0.26 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.00 | 0.26 | 0.63 | 5.00 | 0.00 | 2.45 | 2.45 |
| 10.05 | 0.26 | 0.63 | 5.00 | 0.00 | 2.44 | 2.44 |
| 10.10 | 0.27 | 0.63 | 5.00 | 0.00 | 2.43 | 2.43 |
| 10.15 | 0.27 | 0.63 | 5.00 | 0.00 | 2.42 | 2.42 |
| 10.20 | 0.27 | 0.63 | 5.00 | 0.00 | 2.41 | 2.41 |
| 10.25 | 0.28 | 0.63 | 5.00 | 0.00 | 2.40 | 2.40 |
| 10.30 | 0.28 | 0.63 | 5.00 | 0.00 | 2.39 | 2.39 |
| 10.35 | 0.28 | 0.63 | 5.00 | 0.00 | 2.38 | 2.38 |
| 10.40 | 0.28 | 0.63 | 5.00 | 0.00 | 2.37 | 2.37 |
| 10.45 | 0.29 | 0.63 | 5.00 | 0.00 | 2.36 | 2.36 |
| 10.50 | 0.29 | 0.63 | 5.00 | 0.00 | 2.35 | 2.35 |
| 10.55 | 0.29 | 0.63 | 5.00 | 0.00 | 2.34 | 2.34 |
| 10.60 | 0.30 | 0.63 | 5.00 | 0.00 | 2.33 | 2.33 |
| 10.65 | 0.30 | 0.63 | 5.00 | 0.00 | 2.32 | 2.32 |
| 10.70 | 0.31 | 0.63 | 5.00 | 0.00 | 2.32 | 2.32 |
| 10.75 | 0.31 | 0.63 | 5.00 | 0.00 | 2.31 | 2.31 |
| 10.80 | 0.31 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.85 | 0.32 | 0.63 | 5.00 | 0.00 | 2.29 | 2.29 |
| 10.90 | 0.32 | 0.63 | 5.00 | 0.00 | 2.28 | 2.28 |
| 10.95 | 0.32 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 11.00 | 0.33 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 11.05 | 0.33 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 11.10 | 0.34 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 11.15 | 0.34 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 11.20 | 0.35 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 11.25 | 0.35 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |

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|---|---|---|---|---|---|---|
| 11.30 | 0.36 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 11.35 | 0.36 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 11.40 | 0.37 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 11.45 | 0.38 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 11.50 | 0.38 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 11.55 | 0.39 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 11.60 | 0.40 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 11.65 | 0.41 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 11.70 | 0.43 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 11.75 | 0.46 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 11.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 11.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 11.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 11.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 12.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 12.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 12.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 12.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 12.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 12.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 12.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 12.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 12.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 12.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 12.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 12.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 12.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 13.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 13.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 13.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 13.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 13.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 13.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |

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|---|---|---|---|---|---|---|
| 13.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 14.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 14.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 14.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 15.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 15.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |

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|---|---|---|---|---|---|---|
| 16.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.30 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.35 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.40 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.45 | 0.51 | 0.62 | 5.00 | 0.00 | 1.98 | 1.98 |
| 17.50 | 0.51 | 0.62 | 5.00 | 0.00 | 1.98 | 1.98 |
| 17.55 | 0.51 | 0.62 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.60 | 0.51 | 0.62 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 17.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 17.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 17.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 17.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 17.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 18.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 18.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 18.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 18.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 18.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 18.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 18.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 18.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 18.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 18.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 18.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 18.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 18.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 18.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 18.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 18.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |

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|---|---|---|---|---|---|---|
| 18.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 18.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 18.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 18.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 19.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 19.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 19.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 19.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 19.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 19.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 19.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 19.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 19.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 19.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 19.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 19.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 19.60 | 0.49 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 19.65 | 0.46 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 19.70 | 0.43 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 19.75 | 0.42 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 19.80 | 0.41 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 19.85 | 0.40 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 19.90 | 0.39 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 19.95 | 0.39 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 20.00 | 0.38 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 20.05 | 0.38 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 20.10 | 0.38 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 20.15 | 0.39 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 20.20 | 0.39 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 20.25 | 0.39 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 20.30 | 0.40 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 20.35 | 0.40 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 20.40 | 0.40 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 20.45 | 0.41 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 20.50 | 0.41 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 20.55 | 0.41 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 20.60 | 0.42 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 20.65 | 0.42 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 20.70 | 0.43 | 0.61 | 5.00 | 0.00 | 1.57 | 1.57 |
| 20.75 | 0.43 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 20.80 | 0.44 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 20.85 | 0.45 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 20.90 | 0.46 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 20.95 | 0.47 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 21.00 | 0.49 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 21.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 21.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 21.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 21.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.50 | 1.50 |
| 21.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.49 | 1.49 |

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|---|---|---|---|---|---|---|
| 21.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.49 | 1.49 |
| 21.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.48 | 1.48 |
| 21.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.47 | 1.47 |
| 21.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.46 | 1.46 |
| 21.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.46 | 1.46 |
| 21.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.45 | 1.45 |
| 21.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.44 | 1.44 |
| 21.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.44 | 1.44 |
| 21.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.43 | 1.43 |
| 21.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.42 | 1.42 |
| 21.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.42 | 1.42 |
| 21.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.41 | 1.41 |
| 21.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.40 | 1.40 |
| 21.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.40 | 1.40 |
| 22.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.39 | 1.39 |
| 22.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.38 | 1.38 |
| 22.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.38 | 1.38 |
| 22.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.37 | 1.37 |
| 22.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.36 | 1.36 |
| 22.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.36 | 1.36 |
| 22.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.35 | 1.35 |
| 22.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.34 | 1.34 |
| 22.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.34 | 1.34 |
| 22.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.33 | 1.33 |
| 22.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.32 | 1.32 |
| 22.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.32 | 1.32 |
| 22.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.31 | 1.31 |
| 22.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.30 | 1.30 |
| 22.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.30 | 1.30 |
| 22.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.29 | 1.29 |
| 22.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.28 | 1.28 |
| 22.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.28 | 1.28 |
| 22.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.27 | 1.27 |
| 22.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.26 | 1.26 |
| 23.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.26 | 1.26 |
| 23.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.25 | 1.25 |
| 23.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.25 | 1.25 |
| 23.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.24 | 1.24 |
| 23.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.23 | 1.23 |
| 23.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.23 | 1.23 |
| 23.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |

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|---|---|---|---|---|---|---|
| 23.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 24.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 24.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 26.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 26.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |

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|---|---|---|---|---|---|---|
| 26.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 27.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 27.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.60 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.65 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.70 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.75 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |

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|---|---|---|---|---|---|---|
| 28.80 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.85 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.90 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 28.95 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.00 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.05 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.10 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.15 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.20 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.25 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.30 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.35 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.40 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.45 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.50 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.55 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.60 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.65 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.70 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.75 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.80 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.85 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.90 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.95 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 30.00 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.05 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.10 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.15 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.20 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.25 | 0.51 | 0.60 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.40 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.45 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.50 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.55 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.60 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.65 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.70 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.75 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 30.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.20 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.25 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |

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|---|---|---|---|---|---|---|
| 31.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.40 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.45 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.50 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.55 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.60 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.65 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.70 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.75 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.20 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.25 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.30 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.35 | 0.51 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.40 | 0.51 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.45 | 0.51 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.50 | 0.51 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.55 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.60 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.65 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.70 | 0.51 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.75 | 0.51 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.80 | 0.51 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 32.85 | 0.51 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 32.90 | 0.51 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 32.95 | 0.51 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.00 | 0.51 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.05 | 0.51 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.10 | 0.51 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.15 | 0.51 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.20 | 0.50 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.25 | 0.49 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.30 | 0.45 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.35 | 0.43 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.40 | 0.42 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.45 | 0.41 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.50 | 0.40 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.55 | 0.39 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.60 | 0.38 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.65 | 0.38 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.70 | 0.37 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |
| 33.75 | 0.37 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |

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|---|---|---|---|---|---|---|
| 33.80 | 0.36 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 33.85 | 0.36 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 33.90 | 0.36 | 0.58 | 5.00 | 0.00 | 0.64 | 0.64 |
| 33.95 | 0.35 | 0.58 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.00 | 0.35 | 0.58 | 5.00 | 0.00 | 0.63 | 0.63 |
| 34.05 | 0.35 | 0.58 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.10 | 0.34 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.15 | 0.34 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.20 | 0.34 | 0.57 | 5.00 | 0.00 | 0.60 | 0.60 |
| 34.25 | 0.33 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.30 | 0.33 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.35 | 0.33 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.40 | 0.32 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.45 | 0.32 | 0.57 | 5.00 | 0.00 | 0.56 | 0.56 |
| 34.50 | 0.32 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.55 | 0.32 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 34.60 | 0.31 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 34.65 | 0.31 | 0.57 | 5.00 | 0.00 | 0.53 | 0.53 |
| 34.70 | 0.31 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 34.75 | 0.31 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 34.80 | 0.30 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 34.85 | 0.30 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 34.90 | 0.30 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 34.95 | 0.30 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.00 | 0.29 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.05 | 0.30 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.10 | 0.31 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.15 | 0.33 | 0.57 | 5.00 | 0.00 | 0.44 | 0.44 |
| 35.20 | 0.34 | 0.57 | 5.00 | 0.00 | 0.43 | 0.43 |
| 35.25 | 0.35 | 0.57 | 5.00 | 0.00 | 0.43 | 0.43 |
| 35.30 | 0.37 | 0.57 | 5.00 | 0.00 | 0.42 | 0.42 |
| 35.35 | 0.39 | 0.57 | 5.00 | 0.00 | 0.41 | 0.41 |
| 35.40 | 0.43 | 0.57 | 5.00 | 0.00 | 0.40 | 0.40 |
| 35.45 | 0.50 | 0.57 | 5.00 | 0.00 | 0.40 | 0.40 |
| 35.50 | 0.50 | 0.57 | 5.00 | 0.00 | 0.39 | 0.39 |
| 35.55 | 0.50 | 0.57 | 5.00 | 0.00 | 0.39 | 0.39 |
| 35.60 | 0.50 | 0.57 | 5.00 | 0.00 | 0.38 | 0.38 |
| 35.65 | 0.50 | 0.57 | 5.00 | 0.00 | 0.38 | 0.38 |
| 35.70 | 0.50 | 0.57 | 5.00 | 0.00 | 0.37 | 0.37 |
| 35.75 | 0.50 | 0.57 | 5.00 | 0.00 | 0.37 | 0.37 |
| 35.80 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.85 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.90 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.95 | 0.50 | 0.57 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.00 | 0.50 | 0.57 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |

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|---|---|---|---|---|---|---|
| 36.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.55 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.60 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.65 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.70 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.75 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.80 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.85 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.90 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.95 | 0.49 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 37.00 | 0.49 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 37.05 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.10 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.15 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.20 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.25 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.30 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.35 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.40 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.45 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.50 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.55 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.60 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.65 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.70 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.75 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.80 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.85 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.90 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.28 | 0.28 |
| 38.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.28 | 0.28 |
| 38.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 38.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.85 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.90 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 38.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 39.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 39.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.55 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.60 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.65 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.70 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.75 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.80 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.85 | 0.48 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.90 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 40.95 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.00 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.05 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.10 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.15 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.20 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.25 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 41.30 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.35 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.40 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.45 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.50 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.55 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.60 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.65 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.70 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.75 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 41.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 41.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.70 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.75 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 43.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.60 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.65 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.95 | 0.47 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.00 | 0.47 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.05 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.10 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.15 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.20 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.25 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.30 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.35 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.40 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.45 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.50 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.55 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 46.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.55 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.45 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.50 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 48.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 49.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 49.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.30 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.35 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.40 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 50.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.05 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.10 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.15 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.20 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.25 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.30 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.35 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.40 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 51.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |

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* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5,  CRR is limited to 2,  CSR is limited to 2)

Units:  Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight =

pcf; Depth = ft; Settlement = in.

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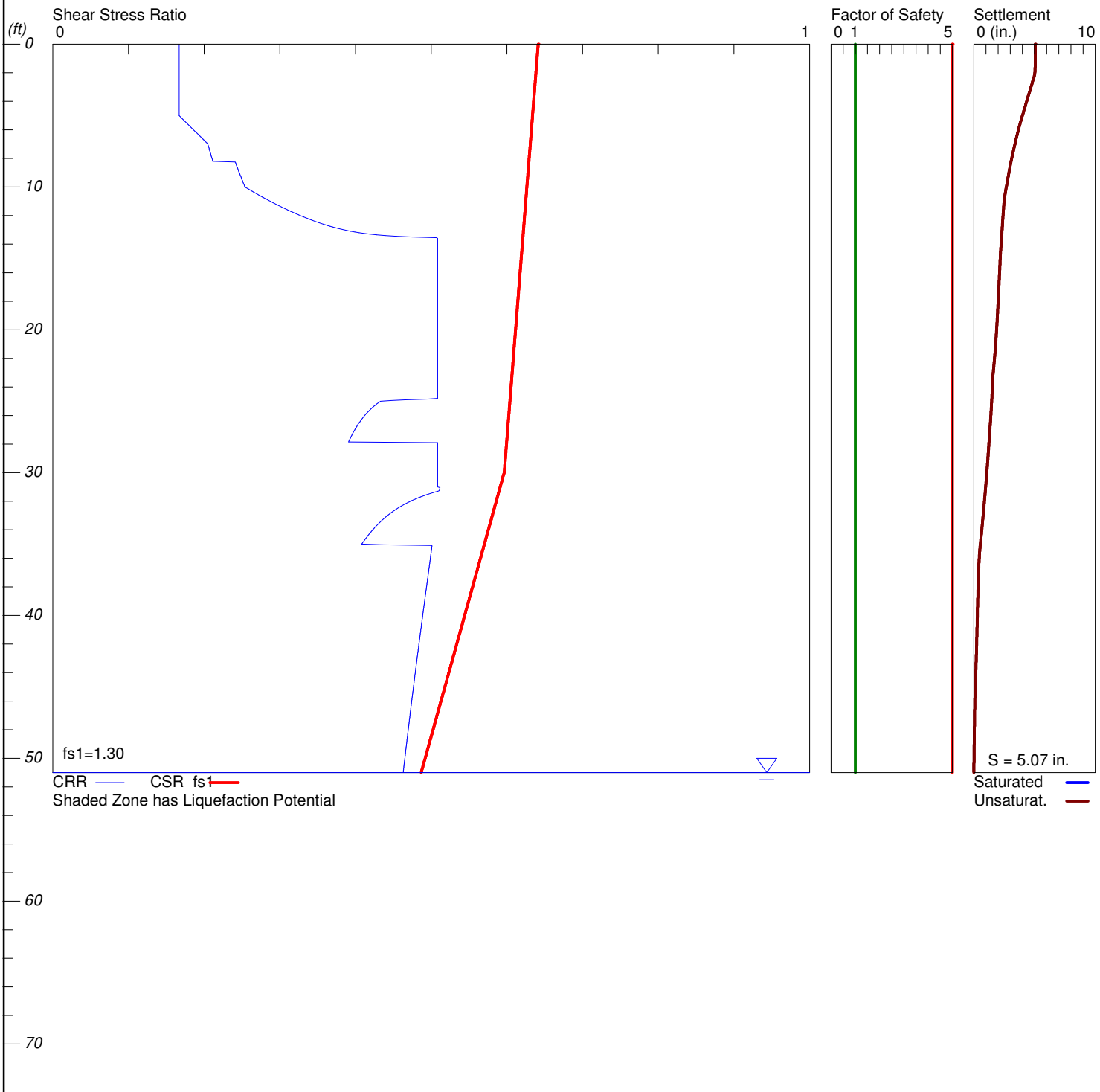
1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

# DYNAMIC SETTLEMENT ANALYSIS

## NEC Bob Hope Drive and Gerald Ford Drive, Rancho M

***Hole No.=BH-2  Water Depth=51 ft  Surface Elev.=300 Ft MSL***

***Magnitude=7.45***
***Acceleration=0.759g***



**********
LIQUEFACTION ANALYSIS SUMMARY



**********
Font: Courier New, Regular, Size 8 is recommended for this report.
Licensed to ,  7/18/2023  8:23:04 AM

Input File Name: D:\Liquefy5\544-23112 BH-2.liq
Title:  NEC Bob Hope Drive and Gerald Ford Drive, Rancho M
Subtitle:  Proposed Skilled Nursing Facility

Surface Elev.=300 Ft MSL
Hole No.=BH-2
Depth of Hole= 51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration= 0.76 g
Earthquake Magnitude= 7.45

Input Data:
Surface Elev.=300 Ft MSL
Hole No.=BH-2
Depth of Hole=51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration=0.76 g
Earthquake Magnitude=7.45
No-Liquefiable Soils:  CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
2. Settlement Analysis Method: Ishihara / Yoshimine
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.25
7. Borehole Diameter, Cb= 1
8. Sampling Method, Cs= 1
9. User request factor of safety (apply to CSR) ,  User= 1.3
   Plot one CSR curve (fs1=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:
Depth  SPT  gamma  Fines

| ft | | pcf | % |
|---|---|---|---|
| 0.00 | 9.00 | 105.00 | 8.50 |
| 5.00 | 9.00 | 105.00 | 8.50 |
| 10.00 | 14.60 | 105.00 | 8.00 |
| 15.00 | 26.00 | 105.00 | 8.00 |
| 20.00 | 34.00 | 105.00 | 8.00 |
| 25.00 | 27.00 | 105.00 | 9.20 |
| 30.00 | 28.00 | 105.00 | 11.80 |
| 35.00 | 31.00 | 105.00 | 5.80 |
| 40.00 | 61.30 | 111.80 | 6.20 |
| 45.00 | 50.00 | 111.80 | 7.10 |
| 50.00 | 66.60 | 110.20 | 7.30 |

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=5.07 in.
Total Settlement of Saturated and Unsaturated Sands=5.07 in.
Differential Settlement=2.533 to 3.344 in.

| Depth ft | CRRm | CSRfs | F.S. | S_sat. in. | S_dry in. | S_all in. |
|---|---|---|---|---|---|---|
| 0.00 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.05 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.10 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.15 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.20 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.25 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.30 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.35 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.40 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.45 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.50 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.55 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.60 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.65 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.70 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.75 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.80 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.85 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.90 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.95 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.00 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.05 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.10 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.15 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.20 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.25 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |

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|---|---|---|---|---|---|---|
| 1.30 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.35 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.40 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.45 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.50 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.55 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.60 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.65 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.70 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.75 | 0.17 | 0.64 | 5.00 | 0.00 | 5.04 | 5.04 |
| 1.80 | 0.17 | 0.64 | 5.00 | 0.00 | 5.04 | 5.04 |
| 1.85 | 0.17 | 0.64 | 5.00 | 0.00 | 5.04 | 5.04 |
| 1.90 | 0.17 | 0.64 | 5.00 | 0.00 | 5.04 | 5.04 |
| 1.95 | 0.17 | 0.64 | 5.00 | 0.00 | 5.03 | 5.03 |
| 2.00 | 0.17 | 0.64 | 5.00 | 0.00 | 5.03 | 5.03 |
| 2.05 | 0.17 | 0.64 | 5.00 | 0.00 | 5.02 | 5.02 |
| 2.10 | 0.17 | 0.64 | 5.00 | 0.00 | 5.01 | 5.01 |
| 2.15 | 0.17 | 0.64 | 5.00 | 0.00 | 5.00 | 5.00 |
| 2.20 | 0.17 | 0.64 | 5.00 | 0.00 | 4.99 | 4.99 |
| 2.25 | 0.17 | 0.64 | 5.00 | 0.00 | 4.97 | 4.97 |
| 2.30 | 0.17 | 0.64 | 5.00 | 0.00 | 4.95 | 4.95 |
| 2.35 | 0.17 | 0.64 | 5.00 | 0.00 | 4.94 | 4.94 |
| 2.40 | 0.17 | 0.64 | 5.00 | 0.00 | 4.92 | 4.92 |
| 2.45 | 0.17 | 0.64 | 5.00 | 0.00 | 4.90 | 4.90 |
| 2.50 | 0.17 | 0.64 | 5.00 | 0.00 | 4.88 | 4.88 |
| 2.55 | 0.17 | 0.64 | 5.00 | 0.00 | 4.86 | 4.86 |
| 2.60 | 0.17 | 0.64 | 5.00 | 0.00 | 4.85 | 4.85 |
| 2.65 | 0.17 | 0.64 | 5.00 | 0.00 | 4.83 | 4.83 |
| 2.70 | 0.17 | 0.64 | 5.00 | 0.00 | 4.81 | 4.81 |
| 2.75 | 0.17 | 0.64 | 5.00 | 0.00 | 4.79 | 4.79 |
| 2.80 | 0.17 | 0.64 | 5.00 | 0.00 | 4.78 | 4.78 |
| 2.85 | 0.17 | 0.64 | 5.00 | 0.00 | 4.76 | 4.76 |
| 2.90 | 0.17 | 0.64 | 5.00 | 0.00 | 4.74 | 4.74 |
| 2.95 | 0.17 | 0.64 | 5.00 | 0.00 | 4.72 | 4.72 |
| 3.00 | 0.17 | 0.64 | 5.00 | 0.00 | 4.71 | 4.71 |
| 3.05 | 0.17 | 0.64 | 5.00 | 0.00 | 4.69 | 4.69 |
| 3.10 | 0.17 | 0.64 | 5.00 | 0.00 | 4.67 | 4.67 |
| 3.15 | 0.17 | 0.64 | 5.00 | 0.00 | 4.65 | 4.65 |
| 3.20 | 0.17 | 0.64 | 5.00 | 0.00 | 4.64 | 4.64 |
| 3.25 | 0.17 | 0.64 | 5.00 | 0.00 | 4.62 | 4.62 |
| 3.30 | 0.17 | 0.64 | 5.00 | 0.00 | 4.60 | 4.60 |
| 3.35 | 0.17 | 0.64 | 5.00 | 0.00 | 4.58 | 4.58 |
| 3.40 | 0.17 | 0.64 | 5.00 | 0.00 | 4.56 | 4.56 |
| 3.45 | 0.17 | 0.64 | 5.00 | 0.00 | 4.55 | 4.55 |
| 3.50 | 0.17 | 0.64 | 5.00 | 0.00 | 4.53 | 4.53 |
| 3.55 | 0.17 | 0.64 | 5.00 | 0.00 | 4.51 | 4.51 |
| 3.60 | 0.17 | 0.64 | 5.00 | 0.00 | 4.49 | 4.49 |
| 3.65 | 0.17 | 0.64 | 5.00 | 0.00 | 4.48 | 4.48 |
| 3.70 | 0.17 | 0.64 | 5.00 | 0.00 | 4.46 | 4.46 |
| 3.75 | 0.17 | 0.64 | 5.00 | 0.00 | 4.44 | 4.44 |

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|---|---|---|---|---|---|---|
| 3.80 | 0.17 | 0.64 | 5.00 | 0.00 | 4.42 | 4.42 |
| 3.85 | 0.17 | 0.64 | 5.00 | 0.00 | 4.41 | 4.41 |
| 3.90 | 0.17 | 0.64 | 5.00 | 0.00 | 4.39 | 4.39 |
| 3.95 | 0.17 | 0.64 | 5.00 | 0.00 | 4.37 | 4.37 |
| 4.00 | 0.17 | 0.64 | 5.00 | 0.00 | 4.35 | 4.35 |
| 4.05 | 0.17 | 0.64 | 5.00 | 0.00 | 4.34 | 4.34 |
| 4.10 | 0.17 | 0.64 | 5.00 | 0.00 | 4.32 | 4.32 |
| 4.15 | 0.17 | 0.64 | 5.00 | 0.00 | 4.30 | 4.30 |
| 4.20 | 0.17 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 4.25 | 0.17 | 0.63 | 5.00 | 0.00 | 4.27 | 4.27 |
| 4.30 | 0.17 | 0.63 | 5.00 | 0.00 | 4.25 | 4.25 |
| 4.35 | 0.17 | 0.63 | 5.00 | 0.00 | 4.23 | 4.23 |
| 4.40 | 0.17 | 0.63 | 5.00 | 0.00 | 4.21 | 4.21 |
| 4.45 | 0.17 | 0.63 | 5.00 | 0.00 | 4.19 | 4.19 |
| 4.50 | 0.17 | 0.63 | 5.00 | 0.00 | 4.18 | 4.18 |
| 4.55 | 0.17 | 0.63 | 5.00 | 0.00 | 4.16 | 4.16 |
| 4.60 | 0.17 | 0.63 | 5.00 | 0.00 | 4.14 | 4.14 |
| 4.65 | 0.17 | 0.63 | 5.00 | 0.00 | 4.12 | 4.12 |
| 4.70 | 0.17 | 0.63 | 5.00 | 0.00 | 4.11 | 4.11 |
| 4.75 | 0.17 | 0.63 | 5.00 | 0.00 | 4.09 | 4.09 |
| 4.80 | 0.17 | 0.63 | 5.00 | 0.00 | 4.07 | 4.07 |
| 4.85 | 0.17 | 0.63 | 5.00 | 0.00 | 4.05 | 4.05 |
| 4.90 | 0.17 | 0.63 | 5.00 | 0.00 | 4.04 | 4.04 |
| 4.95 | 0.17 | 0.63 | 5.00 | 0.00 | 4.02 | 4.02 |
| 5.00 | 0.17 | 0.63 | 5.00 | 0.00 | 4.00 | 4.00 |
| 5.05 | 0.17 | 0.63 | 5.00 | 0.00 | 3.98 | 3.98 |
| 5.10 | 0.17 | 0.63 | 5.00 | 0.00 | 3.97 | 3.97 |
| 5.15 | 0.17 | 0.63 | 5.00 | 0.00 | 3.95 | 3.95 |
| 5.20 | 0.17 | 0.63 | 5.00 | 0.00 | 3.93 | 3.93 |
| 5.25 | 0.17 | 0.63 | 5.00 | 0.00 | 3.91 | 3.91 |
| 5.30 | 0.17 | 0.63 | 5.00 | 0.00 | 3.90 | 3.90 |
| 5.35 | 0.17 | 0.63 | 5.00 | 0.00 | 3.88 | 3.88 |
| 5.40 | 0.17 | 0.63 | 5.00 | 0.00 | 3.86 | 3.86 |
| 5.45 | 0.18 | 0.63 | 5.00 | 0.00 | 3.85 | 3.85 |
| 5.50 | 0.18 | 0.63 | 5.00 | 0.00 | 3.83 | 3.83 |
| 5.55 | 0.18 | 0.63 | 5.00 | 0.00 | 3.81 | 3.81 |
| 5.60 | 0.18 | 0.63 | 5.00 | 0.00 | 3.80 | 3.80 |
| 5.65 | 0.18 | 0.63 | 5.00 | 0.00 | 3.78 | 3.78 |
| 5.70 | 0.18 | 0.63 | 5.00 | 0.00 | 3.76 | 3.76 |
| 5.75 | 0.18 | 0.63 | 5.00 | 0.00 | 3.75 | 3.75 |
| 5.80 | 0.18 | 0.63 | 5.00 | 0.00 | 3.73 | 3.73 |
| 5.85 | 0.18 | 0.63 | 5.00 | 0.00 | 3.72 | 3.72 |
| 5.90 | 0.18 | 0.63 | 5.00 | 0.00 | 3.70 | 3.70 |
| 5.95 | 0.19 | 0.63 | 5.00 | 0.00 | 3.69 | 3.69 |
| 6.00 | 0.19 | 0.63 | 5.00 | 0.00 | 3.67 | 3.67 |
| 6.05 | 0.19 | 0.63 | 5.00 | 0.00 | 3.66 | 3.66 |
| 6.10 | 0.19 | 0.63 | 5.00 | 0.00 | 3.64 | 3.64 |
| 6.15 | 0.19 | 0.63 | 5.00 | 0.00 | 3.63 | 3.63 |
| 6.20 | 0.19 | 0.63 | 5.00 | 0.00 | 3.61 | 3.61 |
| 6.25 | 0.19 | 0.63 | 5.00 | 0.00 | 3.60 | 3.60 |

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|---|---|---|---|---|---|---|
| 6.30 | 0.19 | 0.63 | 5.00 | 0.00 | 3.58 | 3.58 |
| 6.35 | 0.19 | 0.63 | 5.00 | 0.00 | 3.57 | 3.57 |
| 6.40 | 0.19 | 0.63 | 5.00 | 0.00 | 3.55 | 3.55 |
| 6.45 | 0.19 | 0.63 | 5.00 | 0.00 | 3.54 | 3.54 |
| 6.50 | 0.20 | 0.63 | 5.00 | 0.00 | 3.52 | 3.52 |
| 6.55 | 0.20 | 0.63 | 5.00 | 0.00 | 3.51 | 3.51 |
| 6.60 | 0.20 | 0.63 | 5.00 | 0.00 | 3.49 | 3.49 |
| 6.65 | 0.20 | 0.63 | 5.00 | 0.00 | 3.48 | 3.48 |
| 6.70 | 0.20 | 0.63 | 5.00 | 0.00 | 3.47 | 3.47 |
| 6.75 | 0.20 | 0.63 | 5.00 | 0.00 | 3.45 | 3.45 |
| 6.80 | 0.20 | 0.63 | 5.00 | 0.00 | 3.44 | 3.44 |
| 6.85 | 0.20 | 0.63 | 5.00 | 0.00 | 3.42 | 3.42 |
| 6.90 | 0.20 | 0.63 | 5.00 | 0.00 | 3.41 | 3.41 |
| 6.95 | 0.20 | 0.63 | 5.00 | 0.00 | 3.40 | 3.40 |
| 7.00 | 0.20 | 0.63 | 5.00 | 0.00 | 3.38 | 3.38 |
| 7.05 | 0.21 | 0.63 | 5.00 | 0.00 | 3.37 | 3.37 |
| 7.10 | 0.21 | 0.63 | 5.00 | 0.00 | 3.36 | 3.36 |
| 7.15 | 0.21 | 0.63 | 5.00 | 0.00 | 3.34 | 3.34 |
| 7.20 | 0.21 | 0.63 | 5.00 | 0.00 | 3.33 | 3.33 |
| 7.25 | 0.21 | 0.63 | 5.00 | 0.00 | 3.32 | 3.32 |
| 7.30 | 0.21 | 0.63 | 5.00 | 0.00 | 3.30 | 3.30 |
| 7.35 | 0.21 | 0.63 | 5.00 | 0.00 | 3.29 | 3.29 |
| 7.40 | 0.21 | 0.63 | 5.00 | 0.00 | 3.28 | 3.28 |
| 7.45 | 0.21 | 0.63 | 5.00 | 0.00 | 3.26 | 3.26 |
| 7.50 | 0.21 | 0.63 | 5.00 | 0.00 | 3.25 | 3.25 |
| 7.55 | 0.21 | 0.63 | 5.00 | 0.00 | 3.24 | 3.24 |
| 7.60 | 0.21 | 0.63 | 5.00 | 0.00 | 3.22 | 3.22 |
| 7.65 | 0.21 | 0.63 | 5.00 | 0.00 | 3.21 | 3.21 |
| 7.70 | 0.21 | 0.63 | 5.00 | 0.00 | 3.20 | 3.20 |
| 7.75 | 0.21 | 0.63 | 5.00 | 0.00 | 3.18 | 3.18 |
| 7.80 | 0.21 | 0.63 | 5.00 | 0.00 | 3.17 | 3.17 |
| 7.85 | 0.21 | 0.63 | 5.00 | 0.00 | 3.16 | 3.16 |
| 7.90 | 0.21 | 0.63 | 5.00 | 0.00 | 3.14 | 3.14 |
| 7.95 | 0.21 | 0.63 | 5.00 | 0.00 | 3.13 | 3.13 |
| 8.00 | 0.21 | 0.63 | 5.00 | 0.00 | 3.12 | 3.12 |
| 8.05 | 0.21 | 0.63 | 5.00 | 0.00 | 3.10 | 3.10 |
| 8.10 | 0.21 | 0.63 | 5.00 | 0.00 | 3.09 | 3.09 |
| 8.15 | 0.21 | 0.63 | 5.00 | 0.00 | 3.08 | 3.08 |
| 8.20 | 0.21 | 0.63 | 5.00 | 0.00 | 3.07 | 3.07 |
| 8.25 | 0.24 | 0.63 | 5.00 | 0.00 | 3.05 | 3.05 |
| 8.30 | 0.24 | 0.63 | 5.00 | 0.00 | 3.04 | 3.04 |
| 8.35 | 0.24 | 0.63 | 5.00 | 0.00 | 3.03 | 3.03 |
| 8.40 | 0.24 | 0.63 | 5.00 | 0.00 | 3.02 | 3.02 |
| 8.45 | 0.24 | 0.63 | 5.00 | 0.00 | 3.01 | 3.01 |
| 8.50 | 0.24 | 0.63 | 5.00 | 0.00 | 3.00 | 3.00 |
| 8.55 | 0.24 | 0.63 | 5.00 | 0.00 | 2.99 | 2.99 |
| 8.60 | 0.24 | 0.63 | 5.00 | 0.00 | 2.97 | 2.97 |
| 8.65 | 0.24 | 0.63 | 5.00 | 0.00 | 2.96 | 2.96 |
| 8.70 | 0.24 | 0.63 | 5.00 | 0.00 | 2.95 | 2.95 |
| 8.75 | 0.24 | 0.63 | 5.00 | 0.00 | 2.94 | 2.94 |

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|---|---|---|---|---|---|---|
| 8.80 | 0.24 | 0.63 | 5.00 | 0.00 | 2.93 | 2.93 |
| 8.85 | 0.25 | 0.63 | 5.00 | 0.00 | 2.92 | 2.92 |
| 8.90 | 0.25 | 0.63 | 5.00 | 0.00 | 2.91 | 2.91 |
| 8.95 | 0.25 | 0.63 | 5.00 | 0.00 | 2.90 | 2.90 |
| 9.00 | 0.25 | 0.63 | 5.00 | 0.00 | 2.89 | 2.89 |
| 9.05 | 0.25 | 0.63 | 5.00 | 0.00 | 2.88 | 2.88 |
| 9.10 | 0.25 | 0.63 | 5.00 | 0.00 | 2.87 | 2.87 |
| 9.15 | 0.25 | 0.63 | 5.00 | 0.00 | 2.86 | 2.86 |
| 9.20 | 0.25 | 0.63 | 5.00 | 0.00 | 2.84 | 2.84 |
| 9.25 | 0.25 | 0.63 | 5.00 | 0.00 | 2.83 | 2.83 |
| 9.30 | 0.25 | 0.63 | 5.00 | 0.00 | 2.82 | 2.82 |
| 9.35 | 0.25 | 0.63 | 5.00 | 0.00 | 2.81 | 2.81 |
| 9.40 | 0.25 | 0.63 | 5.00 | 0.00 | 2.80 | 2.80 |
| 9.45 | 0.25 | 0.63 | 5.00 | 0.00 | 2.79 | 2.79 |
| 9.50 | 0.25 | 0.63 | 5.00 | 0.00 | 2.78 | 2.78 |
| 9.55 | 0.25 | 0.63 | 5.00 | 0.00 | 2.77 | 2.77 |
| 9.60 | 0.25 | 0.63 | 5.00 | 0.00 | 2.76 | 2.76 |
| 9.65 | 0.25 | 0.63 | 5.00 | 0.00 | 2.75 | 2.75 |
| 9.70 | 0.25 | 0.63 | 5.00 | 0.00 | 2.74 | 2.74 |
| 9.75 | 0.25 | 0.63 | 5.00 | 0.00 | 2.73 | 2.73 |
| 9.80 | 0.25 | 0.63 | 5.00 | 0.00 | 2.72 | 2.72 |
| 9.85 | 0.25 | 0.63 | 5.00 | 0.00 | 2.71 | 2.71 |
| 9.90 | 0.25 | 0.63 | 5.00 | 0.00 | 2.70 | 2.70 |
| 9.95 | 0.25 | 0.63 | 5.00 | 0.00 | 2.69 | 2.69 |
| 10.00 | 0.25 | 0.63 | 5.00 | 0.00 | 2.68 | 2.68 |
| 10.05 | 0.26 | 0.63 | 5.00 | 0.00 | 2.67 | 2.67 |
| 10.10 | 0.26 | 0.63 | 5.00 | 0.00 | 2.65 | 2.65 |
| 10.15 | 0.26 | 0.63 | 5.00 | 0.00 | 2.64 | 2.64 |
| 10.20 | 0.26 | 0.63 | 5.00 | 0.00 | 2.63 | 2.63 |
| 10.25 | 0.26 | 0.63 | 5.00 | 0.00 | 2.62 | 2.62 |
| 10.30 | 0.26 | 0.63 | 5.00 | 0.00 | 2.61 | 2.61 |
| 10.35 | 0.27 | 0.63 | 5.00 | 0.00 | 2.60 | 2.60 |
| 10.40 | 0.27 | 0.63 | 5.00 | 0.00 | 2.59 | 2.59 |
| 10.45 | 0.27 | 0.63 | 5.00 | 0.00 | 2.58 | 2.58 |
| 10.50 | 0.27 | 0.63 | 5.00 | 0.00 | 2.57 | 2.57 |
| 10.55 | 0.27 | 0.63 | 5.00 | 0.00 | 2.56 | 2.56 |
| 10.60 | 0.27 | 0.63 | 5.00 | 0.00 | 2.55 | 2.55 |
| 10.65 | 0.28 | 0.63 | 5.00 | 0.00 | 2.54 | 2.54 |
| 10.70 | 0.28 | 0.63 | 5.00 | 0.00 | 2.54 | 2.54 |
| 10.75 | 0.28 | 0.63 | 5.00 | 0.00 | 2.53 | 2.53 |
| 10.80 | 0.28 | 0.63 | 5.00 | 0.00 | 2.52 | 2.52 |
| 10.85 | 0.28 | 0.63 | 5.00 | 0.00 | 2.51 | 2.51 |
| 10.90 | 0.28 | 0.63 | 5.00 | 0.00 | 2.50 | 2.50 |
| 10.95 | 0.29 | 0.62 | 5.00 | 0.00 | 2.49 | 2.49 |
| 11.00 | 0.29 | 0.62 | 5.00 | 0.00 | 2.49 | 2.49 |
| 11.05 | 0.29 | 0.62 | 5.00 | 0.00 | 2.48 | 2.48 |
| 11.10 | 0.29 | 0.62 | 5.00 | 0.00 | 2.48 | 2.48 |
| 11.15 | 0.29 | 0.62 | 5.00 | 0.00 | 2.48 | 2.48 |
| 11.20 | 0.29 | 0.62 | 5.00 | 0.00 | 2.47 | 2.47 |
| 11.25 | 0.30 | 0.62 | 5.00 | 0.00 | 2.47 | 2.47 |

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|---|---|---|---|---|---|---|
| 11.30 | 0.30 | 0.62 | 5.00 | 0.00 | 2.46 | 2.46 |
| 11.35 | 0.30 | 0.62 | 5.00 | 0.00 | 2.46 | 2.46 |
| 11.40 | 0.30 | 0.62 | 5.00 | 0.00 | 2.46 | 2.46 |
| 11.45 | 0.30 | 0.62 | 5.00 | 0.00 | 2.45 | 2.45 |
| 11.50 | 0.31 | 0.62 | 5.00 | 0.00 | 2.45 | 2.45 |
| 11.55 | 0.31 | 0.62 | 5.00 | 0.00 | 2.44 | 2.44 |
| 11.60 | 0.31 | 0.62 | 5.00 | 0.00 | 2.44 | 2.44 |
| 11.65 | 0.31 | 0.62 | 5.00 | 0.00 | 2.43 | 2.43 |
| 11.70 | 0.31 | 0.62 | 5.00 | 0.00 | 2.43 | 2.43 |
| 11.75 | 0.32 | 0.62 | 5.00 | 0.00 | 2.43 | 2.43 |
| 11.80 | 0.32 | 0.62 | 5.00 | 0.00 | 2.42 | 2.42 |
| 11.85 | 0.32 | 0.62 | 5.00 | 0.00 | 2.42 | 2.42 |
| 11.90 | 0.32 | 0.62 | 5.00 | 0.00 | 2.41 | 2.41 |
| 11.95 | 0.32 | 0.62 | 5.00 | 0.00 | 2.41 | 2.41 |
| 12.00 | 0.33 | 0.62 | 5.00 | 0.00 | 2.41 | 2.41 |
| 12.05 | 0.33 | 0.62 | 5.00 | 0.00 | 2.40 | 2.40 |
| 12.10 | 0.33 | 0.62 | 5.00 | 0.00 | 2.40 | 2.40 |
| 12.15 | 0.33 | 0.62 | 5.00 | 0.00 | 2.39 | 2.39 |
| 12.20 | 0.34 | 0.62 | 5.00 | 0.00 | 2.39 | 2.39 |
| 12.25 | 0.34 | 0.62 | 5.00 | 0.00 | 2.39 | 2.39 |
| 12.30 | 0.34 | 0.62 | 5.00 | 0.00 | 2.38 | 2.38 |
| 12.35 | 0.34 | 0.62 | 5.00 | 0.00 | 2.38 | 2.38 |
| 12.40 | 0.35 | 0.62 | 5.00 | 0.00 | 2.37 | 2.37 |
| 12.45 | 0.35 | 0.62 | 5.00 | 0.00 | 2.37 | 2.37 |
| 12.50 | 0.35 | 0.62 | 5.00 | 0.00 | 2.36 | 2.36 |
| 12.55 | 0.35 | 0.62 | 5.00 | 0.00 | 2.36 | 2.36 |
| 12.60 | 0.36 | 0.62 | 5.00 | 0.00 | 2.36 | 2.36 |
| 12.65 | 0.36 | 0.62 | 5.00 | 0.00 | 2.35 | 2.35 |
| 12.70 | 0.36 | 0.62 | 5.00 | 0.00 | 2.35 | 2.35 |
| 12.75 | 0.37 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 12.80 | 0.37 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 12.85 | 0.37 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 12.90 | 0.38 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 12.95 | 0.38 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 13.00 | 0.38 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 13.05 | 0.39 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 13.10 | 0.39 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 13.15 | 0.40 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 13.20 | 0.40 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 13.25 | 0.41 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 13.30 | 0.42 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 13.35 | 0.43 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 13.40 | 0.44 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 13.45 | 0.45 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 13.50 | 0.47 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 13.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 13.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 13.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |

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|---|---|---|---|---|---|---|
| 13.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 14.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 14.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 14.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 14.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 14.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 14.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 15.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |

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|---|---|---|---|---|---|---|
| 16.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.65 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.70 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.75 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.80 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.85 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.90 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.95 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 18.00 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.05 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.10 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 18.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 18.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |

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|---|---|---|---|---|---|---|
| 18.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 19.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 19.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 19.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 19.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 20.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 20.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 20.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 20.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 20.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 20.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 20.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 20.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 21.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 21.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 21.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |

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|---|---|---|---|---|---|---|
| 21.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 21.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 21.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 21.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 21.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 21.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 21.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 21.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 21.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 21.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 21.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 22.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 22.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 22.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 22.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 22.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 22.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 22.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 22.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 22.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 22.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 22.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 22.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 22.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 22.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 22.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 22.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 22.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 22.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 22.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 22.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 23.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 23.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 23.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 23.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 23.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.57 | 1.57 |
| 23.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |

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|---|---|---|---|---|---|---|
| 23.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 23.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 23.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 24.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 24.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.85 | 0.50 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.90 | 0.47 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.95 | 0.45 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.00 | 0.43 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.05 | 0.43 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.10 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.15 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.20 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.25 | 0.43 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.30 | 0.43 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.35 | 0.42 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.40 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.45 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.50 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.55 | 0.42 | 0.60 | 5.00 | 0.00 | 1.43 | 1.43 |
| 25.60 | 0.42 | 0.60 | 5.00 | 0.00 | 1.43 | 1.43 |
| 25.65 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.70 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.75 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.80 | 0.42 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.85 | 0.41 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.90 | 0.41 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.95 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.00 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.05 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.10 | 0.41 | 0.60 | 5.00 | 0.00 | 1.39 | 1.39 |
| 26.15 | 0.41 | 0.60 | 5.00 | 0.00 | 1.39 | 1.39 |
| 26.20 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |
| 26.25 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |

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|---|---|---|---|---|---|---|
| 26.30 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |
| 26.35 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.40 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.45 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.50 | 0.40 | 0.60 | 5.00 | 0.00 | 1.36 | 1.36 |
| 26.55 | 0.40 | 0.60 | 5.00 | 0.00 | 1.36 | 1.36 |
| 26.60 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.65 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.70 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.75 | 0.40 | 0.60 | 5.00 | 0.00 | 1.34 | 1.34 |
| 26.80 | 0.40 | 0.60 | 5.00 | 0.00 | 1.34 | 1.34 |
| 26.85 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 26.90 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 26.95 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 27.00 | 0.40 | 0.60 | 5.00 | 0.00 | 1.32 | 1.32 |
| 27.05 | 0.40 | 0.60 | 5.00 | 0.00 | 1.32 | 1.32 |
| 27.10 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.15 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.20 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.25 | 0.40 | 0.60 | 5.00 | 0.00 | 1.30 | 1.30 |
| 27.30 | 0.40 | 0.60 | 5.00 | 0.00 | 1.30 | 1.30 |
| 27.35 | 0.40 | 0.60 | 5.00 | 0.00 | 1.29 | 1.29 |
| 27.40 | 0.39 | 0.60 | 5.00 | 0.00 | 1.29 | 1.29 |
| 27.45 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.50 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.55 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.60 | 0.39 | 0.60 | 5.00 | 0.00 | 1.27 | 1.27 |
| 27.65 | 0.39 | 0.60 | 5.00 | 0.00 | 1.27 | 1.27 |
| 27.70 | 0.39 | 0.60 | 5.00 | 0.00 | 1.26 | 1.26 |
| 27.75 | 0.39 | 0.60 | 5.00 | 0.00 | 1.26 | 1.26 |
| 27.80 | 0.39 | 0.60 | 5.00 | 0.00 | 1.25 | 1.25 |
| 27.85 | 0.39 | 0.60 | 5.00 | 0.00 | 1.25 | 1.25 |
| 27.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 27.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 28.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 28.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.22 | 1.22 |
| 28.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.22 | 1.22 |
| 28.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.20 | 1.20 |
| 28.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.20 | 1.20 |
| 28.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 28.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |

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|---|---|---|---|---|---|---|
| 28.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 28.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 28.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 28.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 29.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 29.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 29.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 29.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 29.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 29.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 29.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 29.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 29.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 29.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 29.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 29.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 29.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 29.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 30.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 30.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 30.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 30.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 30.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 30.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.30 | 0.51 | 0.59 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.35 | 0.51 | 0.59 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.40 | 0.51 | 0.59 | 5.00 | 0.00 | 1.03 | 1.03 |
| 30.45 | 0.51 | 0.59 | 5.00 | 0.00 | 1.03 | 1.03 |
| 30.50 | 0.51 | 0.59 | 5.00 | 0.00 | 1.02 | 1.02 |
| 30.55 | 0.51 | 0.59 | 5.00 | 0.00 | 1.02 | 1.02 |
| 30.60 | 0.51 | 0.59 | 5.00 | 0.00 | 1.01 | 1.01 |
| 30.65 | 0.51 | 0.59 | 5.00 | 0.00 | 1.01 | 1.01 |
| 30.70 | 0.51 | 0.59 | 5.00 | 0.00 | 1.00 | 1.00 |
| 30.75 | 0.51 | 0.59 | 5.00 | 0.00 | 1.00 | 1.00 |
| 30.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.99 | 0.99 |
| 30.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.99 | 0.99 |
| 30.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.98 | 0.98 |
| 30.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.98 | 0.98 |
| 31.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.97 | 0.97 |
| 31.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.97 | 0.97 |
| 31.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.96 | 0.96 |
| 31.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.96 | 0.96 |
| 31.20 | 0.51 | 0.59 | 5.00 | 0.00 | 0.95 | 0.95 |
| 31.25 | 0.51 | 0.59 | 5.00 | 0.00 | 0.95 | 0.95 |

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|---|---|---|---|---|---|---|
| 31.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.94 | 0.94 |
| 31.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.94 | 0.94 |
| 31.40 | 0.50 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 31.45 | 0.50 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 31.50 | 0.50 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 31.55 | 0.49 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 31.60 | 0.49 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 31.65 | 0.49 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 31.70 | 0.49 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.75 | 0.48 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.80 | 0.48 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.85 | 0.48 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.90 | 0.48 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.95 | 0.47 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 32.00 | 0.47 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 32.05 | 0.47 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 32.10 | 0.47 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 32.15 | 0.47 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 32.20 | 0.47 | 0.58 | 5.00 | 0.00 | 0.85 | 0.85 |
| 32.25 | 0.46 | 0.58 | 5.00 | 0.00 | 0.85 | 0.85 |
| 32.30 | 0.46 | 0.58 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.35 | 0.46 | 0.58 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.40 | 0.46 | 0.58 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.45 | 0.46 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.50 | 0.46 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.55 | 0.45 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.60 | 0.45 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.65 | 0.45 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.70 | 0.45 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.75 | 0.45 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.80 | 0.45 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.85 | 0.45 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.90 | 0.44 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.95 | 0.44 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 33.00 | 0.44 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.05 | 0.44 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.10 | 0.44 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.15 | 0.44 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.20 | 0.44 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.25 | 0.44 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.30 | 0.44 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.35 | 0.43 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.40 | 0.43 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.45 | 0.43 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.50 | 0.43 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.55 | 0.43 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.60 | 0.43 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.65 | 0.43 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.70 | 0.43 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.75 | 0.43 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |

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|---|---|---|---|---|---|---|
| 33.80 | 0.43 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.85 | 0.43 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |
| 33.90 | 0.42 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 33.95 | 0.42 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 34.00 | 0.42 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 34.05 | 0.42 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 34.10 | 0.42 | 0.57 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.15 | 0.42 | 0.57 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.20 | 0.42 | 0.57 | 5.00 | 0.00 | 0.63 | 0.63 |
| 34.25 | 0.42 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.30 | 0.42 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.35 | 0.42 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.40 | 0.42 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.45 | 0.42 | 0.57 | 5.00 | 0.00 | 0.60 | 0.60 |
| 34.50 | 0.42 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.55 | 0.41 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.60 | 0.41 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.65 | 0.41 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.70 | 0.41 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.75 | 0.41 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.80 | 0.41 | 0.57 | 5.00 | 0.00 | 0.56 | 0.56 |
| 34.85 | 0.41 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.90 | 0.41 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.95 | 0.41 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 35.00 | 0.41 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 35.05 | 0.44 | 0.57 | 5.00 | 0.00 | 0.53 | 0.53 |
| 35.10 | 0.50 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 35.15 | 0.50 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 35.20 | 0.50 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 35.25 | 0.50 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 35.30 | 0.50 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 35.35 | 0.50 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 35.40 | 0.50 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 35.45 | 0.50 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 35.50 | 0.50 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.55 | 0.50 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.60 | 0.50 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.65 | 0.50 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.70 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.75 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.80 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.85 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.90 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.95 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 36.00 | 0.50 | 0.57 | 5.00 | 0.00 | 0.44 | 0.44 |
| 36.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.44 | 0.44 |
| 36.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |

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|---|---|---|---|---|---|---|
| 36.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.55 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.60 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.65 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.70 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.75 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.80 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.85 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 36.90 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 36.95 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.00 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.55 | 0.49 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.60 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.65 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.70 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.75 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.80 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.85 | 0.49 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 37.90 | 0.49 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 37.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |

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|---|---|---|---|---|---|---|
| 38.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.85 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.90 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.55 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.60 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.65 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.70 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.75 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.80 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 40.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 40.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 41.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.55 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.60 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.65 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.70 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.75 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 41.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 41.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.70 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.75 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 43.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 43.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 43.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.60 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.65 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.60 | 0.48 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.65 | 0.48 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 45.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 45.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 46.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.55 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.45 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.50 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 48.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.45 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.50 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.55 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.60 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.65 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.70 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.75 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.80 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.85 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.90 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.95 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.00 | 0.47 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.05 | 0.47 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.10 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.15 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.20 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.25 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.30 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.35 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.40 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 51.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |

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* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5,  CRR is limited to 2,    CSR is limited to 2)

Units:  Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight =

pcf; Depth = ft; Settlement = in.

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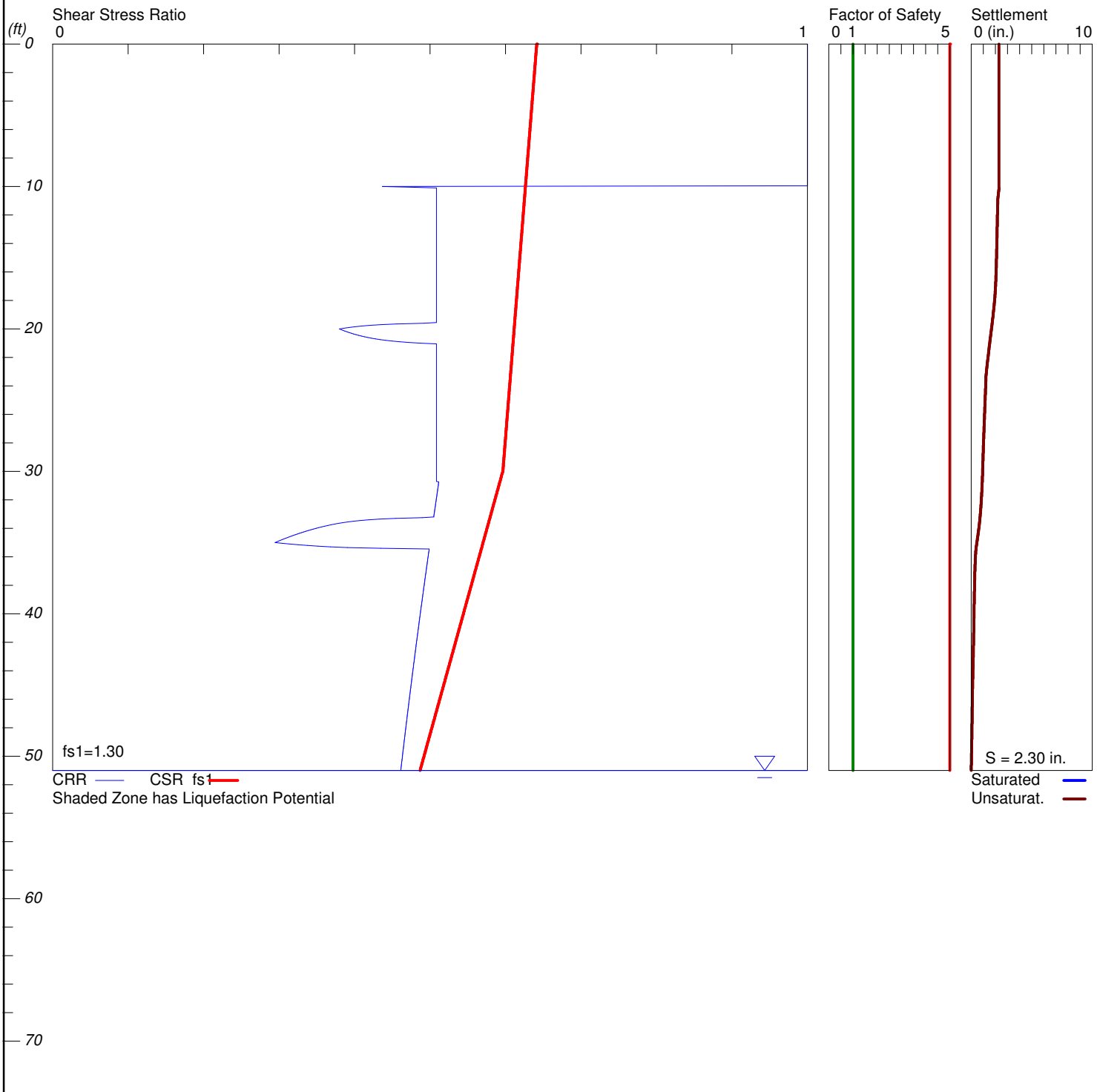
1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

# DYNAMIC SETTLEMENT ANALYSIS

## NEC Bob Hope Drive and Gerald Ford Drive, Rancho M

***Hole No.=BH-1  Water Depth=51 ft  Surface Elev.=300 F***

***Magnitude=7.45***
***Acceleration=0.759g***



**********
LIQUEFACTION ANALYSIS SUMMARY



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Font: Courier New, Regular, Size 8 is recommended for this report.
Licensed to ,  8/23/2023  9:55:41 AM

Input File Name: D:\Liquefy5\544-23112 BH-1 (10 Ft OX).liq
Title:  NEC Bob Hope Drive and Gerald Ford Drive, Rancho M
Subtitle:  Proposed Skilled Nursing Facility

Surface Elev.=300 F
Hole No.=BH-1
Depth of Hole= 51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration= 0.76 g
Earthquake Magnitude= 7.45

Input Data:
Surface Elev.=300 F
Hole No.=BH-1
Depth of Hole=51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration=0.76 g
Earthquake Magnitude=7.45
No-Liquefiable Soils:  CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
2. Settlement Analysis Method: Ishihara / Yoshimine
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.25
7. Borehole Diameter, Cb= 1
8. Sampling Method, Cs= 1
9. User request factor of safety (apply to CSR) ,  User= 1.3
   Plot one CSR curve (fs1=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:
Depth  SPT  gamma  Fines

| ft | | pcf | % |
|---|---|---|---|
| 0.00 | 12.00 | 105.00 | NoLiq |
| 5.00 | 12.00 | 105.00 | NoLiq |
| 10.00 | 15.00 | 105.00 | NoLiq |
| 15.00 | 32.60 | 105.00 | 6.60 |
| 20.00 | 24.00 | 105.00 | 6.50 |
| 25.00 | 32.00 | 108.50 | 5.20 |
| 30.00 | 38.00 | 108.50 | 7.20 |
| 35.00 | 27.30 | 112.70 | 4.20 |
| 40.00 | 85.00 | 112.70 | 8.40 |
| 45.00 | 66.60 | 112.70 | 4.80 |
| 50.00 | 47.00 | 112.70 | 9.60 |

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=2.30 in.
Total Settlement of Saturated and Unsaturated Sands=2.30 in.
Differential Settlement=1.151 to 1.520 in.

| Depth ft | CRRm | CSRfs | F.S. | S_sat. in. | S_dry in. | S_all in. |
|---|---|---|---|---|---|---|
| 0.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 6.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |

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|---|---|---|---|---|---|---|
| 8.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.00 | 0.44 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.05 | 0.48 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.10 | 0.51 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.15 | 0.51 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.20 | 0.51 | 0.63 | 5.00 | 0.00 | 2.29 | 2.29 |
| 10.25 | 0.51 | 0.63 | 5.00 | 0.00 | 2.28 | 2.28 |
| 10.30 | 0.51 | 0.63 | 5.00 | 0.00 | 2.27 | 2.27 |
| 10.35 | 0.51 | 0.63 | 5.00 | 0.00 | 2.27 | 2.27 |
| 10.40 | 0.51 | 0.63 | 5.00 | 0.00 | 2.26 | 2.26 |
| 10.45 | 0.51 | 0.63 | 5.00 | 0.00 | 2.25 | 2.25 |
| 10.50 | 0.51 | 0.63 | 5.00 | 0.00 | 2.25 | 2.25 |
| 10.55 | 0.51 | 0.63 | 5.00 | 0.00 | 2.24 | 2.24 |
| 10.60 | 0.51 | 0.63 | 5.00 | 0.00 | 2.24 | 2.24 |
| 10.65 | 0.51 | 0.63 | 5.00 | 0.00 | 2.23 | 2.23 |
| 10.70 | 0.51 | 0.63 | 5.00 | 0.00 | 2.22 | 2.22 |
| 10.75 | 0.51 | 0.63 | 5.00 | 0.00 | 2.22 | 2.22 |
| 10.80 | 0.51 | 0.63 | 5.00 | 0.00 | 2.21 | 2.21 |
| 10.85 | 0.51 | 0.63 | 5.00 | 0.00 | 2.20 | 2.20 |
| 10.90 | 0.51 | 0.63 | 5.00 | 0.00 | 2.20 | 2.20 |
| 10.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 11.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 11.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 11.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 12.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |

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|---|---|---|---|---|---|---|
| 13.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 13.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 13.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 13.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 14.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 14.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 15.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 15.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |

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|---|---|---|---|---|---|---|
| 16.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.30 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.35 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.40 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.45 | 0.51 | 0.62 | 5.00 | 0.00 | 1.98 | 1.98 |
| 17.50 | 0.51 | 0.62 | 5.00 | 0.00 | 1.98 | 1.98 |
| 17.55 | 0.51 | 0.62 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.60 | 0.51 | 0.62 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 17.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 17.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 17.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 17.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 17.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 18.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 18.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 18.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 18.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 18.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 18.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 18.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 18.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 18.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 18.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 18.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 18.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 18.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 18.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 18.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 18.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |

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|---|---|---|---|---|---|---|
| 18.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 18.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 18.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 18.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 19.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 19.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 19.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 19.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 19.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 19.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 19.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 19.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 19.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 19.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 19.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 19.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 19.60 | 0.49 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 19.65 | 0.46 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 19.70 | 0.43 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 19.75 | 0.42 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 19.80 | 0.41 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 19.85 | 0.40 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 19.90 | 0.39 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 19.95 | 0.39 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 20.00 | 0.38 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 20.05 | 0.38 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 20.10 | 0.38 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 20.15 | 0.39 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 20.20 | 0.39 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 20.25 | 0.39 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 20.30 | 0.40 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 20.35 | 0.40 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 20.40 | 0.40 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 20.45 | 0.41 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 20.50 | 0.41 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 20.55 | 0.41 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 20.60 | 0.42 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 20.65 | 0.42 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 20.70 | 0.43 | 0.61 | 5.00 | 0.00 | 1.57 | 1.57 |
| 20.75 | 0.43 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 20.80 | 0.44 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 20.85 | 0.45 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 20.90 | 0.46 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 20.95 | 0.47 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 21.00 | 0.49 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 21.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 21.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 21.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 21.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.50 | 1.50 |
| 21.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.49 | 1.49 |

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|---|---|---|---|---|---|---|
| 21.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.49 | 1.49 |
| 21.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.48 | 1.48 |
| 21.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.47 | 1.47 |
| 21.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.46 | 1.46 |
| 21.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.46 | 1.46 |
| 21.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.45 | 1.45 |
| 21.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.44 | 1.44 |
| 21.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.44 | 1.44 |
| 21.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.43 | 1.43 |
| 21.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.42 | 1.42 |
| 21.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.42 | 1.42 |
| 21.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.41 | 1.41 |
| 21.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.40 | 1.40 |
| 21.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.40 | 1.40 |
| 22.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.39 | 1.39 |
| 22.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.38 | 1.38 |
| 22.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.38 | 1.38 |
| 22.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.37 | 1.37 |
| 22.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.36 | 1.36 |
| 22.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.36 | 1.36 |
| 22.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.35 | 1.35 |
| 22.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.34 | 1.34 |
| 22.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.34 | 1.34 |
| 22.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.33 | 1.33 |
| 22.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.32 | 1.32 |
| 22.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.32 | 1.32 |
| 22.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.31 | 1.31 |
| 22.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.30 | 1.30 |
| 22.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.30 | 1.30 |
| 22.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.29 | 1.29 |
| 22.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.28 | 1.28 |
| 22.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.28 | 1.28 |
| 22.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.27 | 1.27 |
| 22.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.26 | 1.26 |
| 23.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.26 | 1.26 |
| 23.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.25 | 1.25 |
| 23.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.25 | 1.25 |
| 23.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.24 | 1.24 |
| 23.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.23 | 1.23 |
| 23.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.23 | 1.23 |
| 23.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |

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|---|---|---|---|---|---|---|
| 23.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 24.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 24.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 26.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 26.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |

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|---|---|---|---|---|---|---|
| 26.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 27.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 27.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.60 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.65 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.70 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.75 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |

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|---|---|---|---|---|---|---|
| 28.80 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.85 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.90 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 28.95 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.00 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.05 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.10 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.15 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.20 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.25 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.30 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.35 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.40 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.45 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.50 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.55 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.60 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.65 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.70 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.75 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.80 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.85 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.90 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.95 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 30.00 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.05 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.10 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.15 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.20 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.25 | 0.51 | 0.60 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.40 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.45 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.50 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.55 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.60 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.65 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.70 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.75 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 30.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.20 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.25 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |

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|---|---|---|---|---|---|---|
| 31.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.40 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.45 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.50 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.55 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.60 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.65 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.70 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.75 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.20 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.25 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.30 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.35 | 0.51 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.40 | 0.51 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.45 | 0.51 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.50 | 0.51 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.55 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.60 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.65 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.70 | 0.51 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.75 | 0.51 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.80 | 0.51 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 32.85 | 0.51 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 32.90 | 0.51 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 32.95 | 0.51 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.00 | 0.51 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.05 | 0.51 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.10 | 0.51 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.15 | 0.51 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.20 | 0.50 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.25 | 0.49 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.30 | 0.45 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.35 | 0.43 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.40 | 0.42 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.45 | 0.41 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.50 | 0.40 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.55 | 0.39 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.60 | 0.38 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.65 | 0.38 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.70 | 0.37 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |
| 33.75 | 0.37 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |

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|---|---|---|---|---|---|---|
| 33.80 | 0.36 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 33.85 | 0.36 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 33.90 | 0.36 | 0.58 | 5.00 | 0.00 | 0.64 | 0.64 |
| 33.95 | 0.35 | 0.58 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.00 | 0.35 | 0.58 | 5.00 | 0.00 | 0.63 | 0.63 |
| 34.05 | 0.35 | 0.58 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.10 | 0.34 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.15 | 0.34 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.20 | 0.34 | 0.57 | 5.00 | 0.00 | 0.60 | 0.60 |
| 34.25 | 0.33 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.30 | 0.33 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.35 | 0.33 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.40 | 0.32 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.45 | 0.32 | 0.57 | 5.00 | 0.00 | 0.56 | 0.56 |
| 34.50 | 0.32 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.55 | 0.32 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 34.60 | 0.31 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 34.65 | 0.31 | 0.57 | 5.00 | 0.00 | 0.53 | 0.53 |
| 34.70 | 0.31 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 34.75 | 0.31 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 34.80 | 0.30 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 34.85 | 0.30 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 34.90 | 0.30 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 34.95 | 0.30 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.00 | 0.29 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.05 | 0.30 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.10 | 0.31 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.15 | 0.33 | 0.57 | 5.00 | 0.00 | 0.44 | 0.44 |
| 35.20 | 0.34 | 0.57 | 5.00 | 0.00 | 0.43 | 0.43 |
| 35.25 | 0.35 | 0.57 | 5.00 | 0.00 | 0.43 | 0.43 |
| 35.30 | 0.37 | 0.57 | 5.00 | 0.00 | 0.42 | 0.42 |
| 35.35 | 0.39 | 0.57 | 5.00 | 0.00 | 0.41 | 0.41 |
| 35.40 | 0.43 | 0.57 | 5.00 | 0.00 | 0.40 | 0.40 |
| 35.45 | 0.50 | 0.57 | 5.00 | 0.00 | 0.40 | 0.40 |
| 35.50 | 0.50 | 0.57 | 5.00 | 0.00 | 0.39 | 0.39 |
| 35.55 | 0.50 | 0.57 | 5.00 | 0.00 | 0.39 | 0.39 |
| 35.60 | 0.50 | 0.57 | 5.00 | 0.00 | 0.38 | 0.38 |
| 35.65 | 0.50 | 0.57 | 5.00 | 0.00 | 0.38 | 0.38 |
| 35.70 | 0.50 | 0.57 | 5.00 | 0.00 | 0.37 | 0.37 |
| 35.75 | 0.50 | 0.57 | 5.00 | 0.00 | 0.37 | 0.37 |
| 35.80 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.85 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.90 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.95 | 0.50 | 0.57 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.00 | 0.50 | 0.57 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |

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|---|---|---|---|---|---|---|
| 36.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.55 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.60 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.65 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.70 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.75 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.80 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.85 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.90 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.95 | 0.49 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 37.00 | 0.49 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 37.05 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.10 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.15 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.20 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.25 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.30 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.35 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.40 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.45 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.50 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.55 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.60 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.65 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.70 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.75 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.80 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.85 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.90 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.28 | 0.28 |
| 38.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.28 | 0.28 |
| 38.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 38.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.85 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.90 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 38.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 39.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 39.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.55 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.60 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.65 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.70 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.75 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.80 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.85 | 0.48 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.90 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 40.95 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.00 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.05 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.10 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.15 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.20 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.25 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |

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|---|---|---|---|---|---|---|
| 41.30 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.35 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.40 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.45 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.50 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.55 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.60 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.65 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.70 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.75 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 41.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 41.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.70 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.75 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 43.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.60 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.65 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.95 | 0.47 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.00 | 0.47 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.05 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.10 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.15 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.20 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.25 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.30 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.35 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.40 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.45 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.50 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.55 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 46.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.55 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.45 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.50 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 48.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 49.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 49.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.30 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.35 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.40 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 50.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.05 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.10 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.15 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.20 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.25 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.30 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.35 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.40 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 51.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |

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* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5,  CRR is limited to 2,  CSR is limited to 2)

Units:  Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight =

pcf; Depth = ft; Settlement = in.

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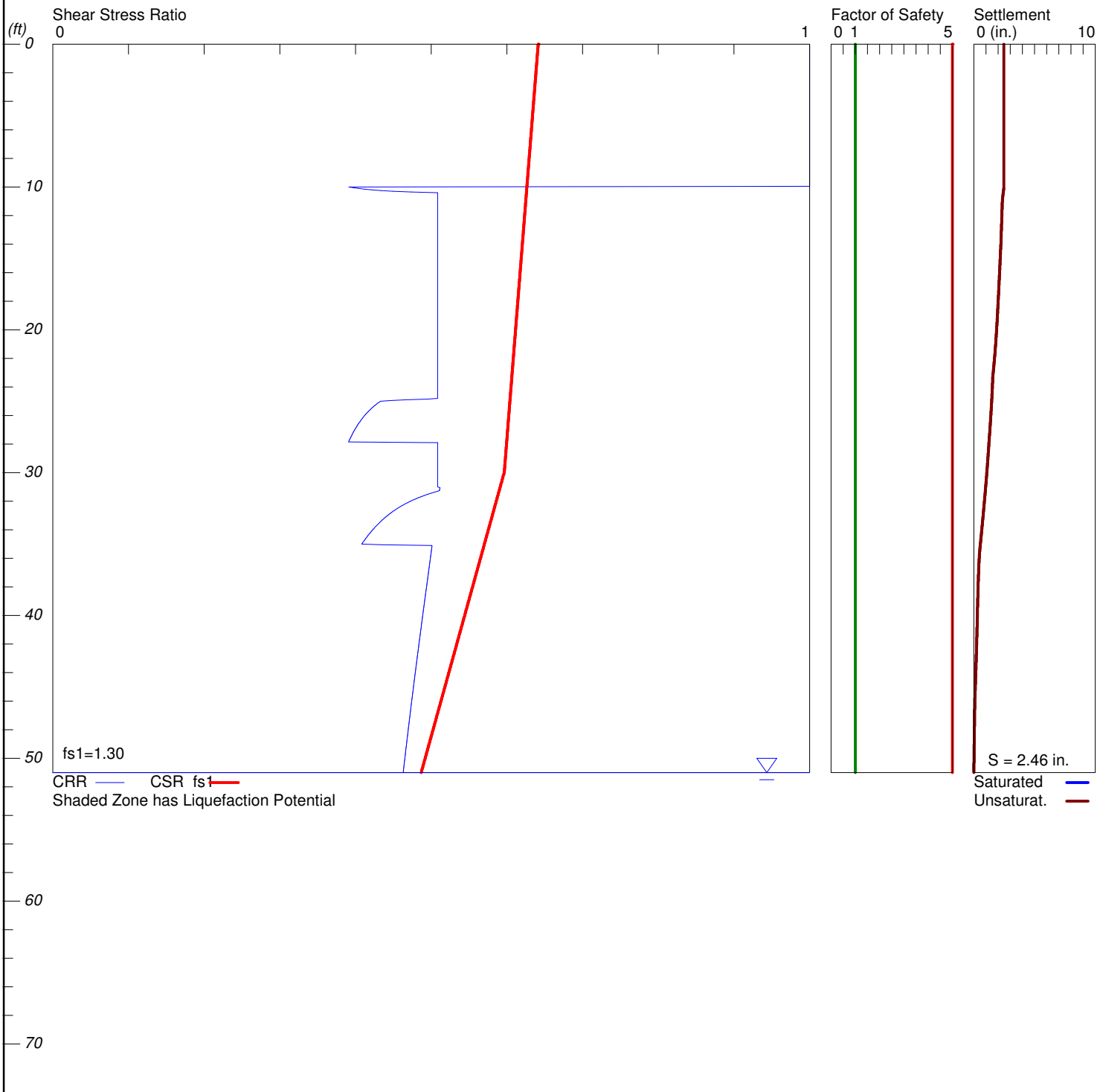
1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

# DYNAMIC SETTLEMENT ANALYSIS

## NEC Bob Hope Drive and Gerald Ford Drive, Rancho M

***Hole No.=BH-2  Water Depth=51 ft  Surface Elev.=300 F***

***Magnitude=7.45***
***Acceleration=0.759g***



**********
LIQUEFACTION ANALYSIS SUMMARY



**********
Font: Courier New, Regular, Size 8 is recommended for this report.
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Input File Name: D:\Liquefy5\544-23112 BH-2 (10 Ft OX).liq
Title:  NEC Bob Hope Drive and Gerald Ford Drive, Rancho M
Subtitle:  Proposed Skilled Nursing Facility

Surface Elev.=300 F
Hole No.=BH-2
Depth of Hole= 51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration= 0.76 g
Earthquake Magnitude= 7.45

Input Data:
Surface Elev.=300 F
Hole No.=BH-2
Depth of Hole=51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration=0.76 g
Earthquake Magnitude=7.45
No-Liquefiable Soils:  CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
2. Settlement Analysis Method: Ishihara / Yoshimine
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.25
7. Borehole Diameter, Cb= 1
8. Sampling Method, Cs= 1
9. User request factor of safety (apply to CSR) ,  User= 1.3
   Plot one CSR curve (fs1=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:
Depth  SPT  gamma  Fines

| ft | | pcf | |
|---|---|---|---|
| 0.00 | 9.00 | 105.00 | NoLiq |
| 5.00 | 9.00 | 105.00 | NoLiq |
| 10.00 | 14.60 | 105.00 | NoLiq |
| 15.00 | 26.00 | 105.00 | 8.00 |
| 20.00 | 34.00 | 105.00 | 8.00 |
| 25.00 | 27.00 | 105.00 | 9.20 |
| 30.00 | 28.00 | 105.00 | 11.80 |
| 35.00 | 31.00 | 105.00 | 5.80 |
| 40.00 | 61.30 | 111.80 | 6.20 |
| 45.00 | 50.00 | 111.80 | 7.10 |
| 50.00 | 66.60 | 110.20 | 7.30 |

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=2.46 in.
Total Settlement of Saturated and Unsaturated Sands=2.46 in.
Differential Settlement=1.232 to 1.626 in.

| Depth ft | CRRm | CSRfs | F.S. | S_sat. in. | S_dry in. | S_all in. |
|---|---|---|---|---|---|---|
| 0.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |

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|---|---|---|---|---|---|---|
| 3.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |

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|---|---|---|---|---|---|---|
| 6.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |

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|---|---|---|---|---|---|---|
| 8.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.00 | 0.39 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.05 | 0.40 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.10 | 0.40 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.15 | 0.41 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.20 | 0.42 | 0.63 | 5.00 | 0.00 | 2.45 | 2.45 |
| 10.25 | 0.43 | 0.63 | 5.00 | 0.00 | 2.44 | 2.44 |
| 10.30 | 0.45 | 0.63 | 5.00 | 0.00 | 2.43 | 2.43 |
| 10.35 | 0.47 | 0.63 | 5.00 | 0.00 | 2.43 | 2.43 |
| 10.40 | 0.51 | 0.63 | 5.00 | 0.00 | 2.42 | 2.42 |
| 10.45 | 0.51 | 0.63 | 5.00 | 0.00 | 2.41 | 2.41 |
| 10.50 | 0.51 | 0.63 | 5.00 | 0.00 | 2.41 | 2.41 |
| 10.55 | 0.51 | 0.63 | 5.00 | 0.00 | 2.40 | 2.40 |
| 10.60 | 0.51 | 0.63 | 5.00 | 0.00 | 2.39 | 2.39 |
| 10.65 | 0.51 | 0.63 | 5.00 | 0.00 | 2.38 | 2.38 |
| 10.70 | 0.51 | 0.63 | 5.00 | 0.00 | 2.38 | 2.38 |
| 10.75 | 0.51 | 0.63 | 5.00 | 0.00 | 2.37 | 2.37 |
| 10.80 | 0.51 | 0.63 | 5.00 | 0.00 | 2.36 | 2.36 |
| 10.85 | 0.51 | 0.63 | 5.00 | 0.00 | 2.36 | 2.36 |
| 10.90 | 0.51 | 0.63 | 5.00 | 0.00 | 2.35 | 2.35 |
| 10.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.35 | 2.35 |
| 11.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.35 | 2.35 |
| 11.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 11.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 11.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 11.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 11.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |

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|---|---|---|---|---|---|---|
| 11.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 11.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 11.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 11.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 12.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 12.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 12.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 12.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 13.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 13.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 13.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |

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|---|---|---|---|---|---|---|
| 13.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 13.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 13.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 13.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 14.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 14.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 15.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 16.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.65 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.70 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.75 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.80 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.85 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.90 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.95 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 18.00 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.05 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.10 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 18.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 18.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |

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|---|---|---|---|---|---|---|
| 18.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 19.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 19.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 19.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 19.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 20.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 20.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 20.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 20.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 20.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 20.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 20.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 20.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 21.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 21.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 21.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |

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|---|---|---|---|---|---|---|
| 21.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 21.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 21.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 21.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 21.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 21.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 21.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 21.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 21.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 21.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 21.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 22.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 22.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 22.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 22.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 22.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 22.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 22.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 22.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 22.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 22.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 22.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 22.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 22.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 22.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 22.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 22.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 22.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 22.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 22.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 22.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 23.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 23.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 23.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 23.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 23.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.57 | 1.57 |
| 23.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |

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|---|---|---|---|---|---|---|
| 23.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 23.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 23.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 24.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 24.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.85 | 0.50 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.90 | 0.47 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.95 | 0.45 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.00 | 0.43 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.05 | 0.43 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.10 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.15 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.20 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.25 | 0.43 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.30 | 0.43 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.35 | 0.42 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.40 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.45 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.50 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.55 | 0.42 | 0.60 | 5.00 | 0.00 | 1.43 | 1.43 |
| 25.60 | 0.42 | 0.60 | 5.00 | 0.00 | 1.43 | 1.43 |
| 25.65 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.70 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.75 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.80 | 0.42 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.85 | 0.41 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.90 | 0.41 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.95 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.00 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.05 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.10 | 0.41 | 0.60 | 5.00 | 0.00 | 1.39 | 1.39 |
| 26.15 | 0.41 | 0.60 | 5.00 | 0.00 | 1.39 | 1.39 |
| 26.20 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |
| 26.25 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |

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|---|---|---|---|---|---|---|
| 26.30 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |
| 26.35 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.40 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.45 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.50 | 0.40 | 0.60 | 5.00 | 0.00 | 1.36 | 1.36 |
| 26.55 | 0.40 | 0.60 | 5.00 | 0.00 | 1.36 | 1.36 |
| 26.60 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.65 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.70 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.75 | 0.40 | 0.60 | 5.00 | 0.00 | 1.34 | 1.34 |
| 26.80 | 0.40 | 0.60 | 5.00 | 0.00 | 1.34 | 1.34 |
| 26.85 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 26.90 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 26.95 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 27.00 | 0.40 | 0.60 | 5.00 | 0.00 | 1.32 | 1.32 |
| 27.05 | 0.40 | 0.60 | 5.00 | 0.00 | 1.32 | 1.32 |
| 27.10 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.15 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.20 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.25 | 0.40 | 0.60 | 5.00 | 0.00 | 1.30 | 1.30 |
| 27.30 | 0.40 | 0.60 | 5.00 | 0.00 | 1.30 | 1.30 |
| 27.35 | 0.40 | 0.60 | 5.00 | 0.00 | 1.29 | 1.29 |
| 27.40 | 0.39 | 0.60 | 5.00 | 0.00 | 1.29 | 1.29 |
| 27.45 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.50 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.55 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.60 | 0.39 | 0.60 | 5.00 | 0.00 | 1.27 | 1.27 |
| 27.65 | 0.39 | 0.60 | 5.00 | 0.00 | 1.27 | 1.27 |
| 27.70 | 0.39 | 0.60 | 5.00 | 0.00 | 1.26 | 1.26 |
| 27.75 | 0.39 | 0.60 | 5.00 | 0.00 | 1.26 | 1.26 |
| 27.80 | 0.39 | 0.60 | 5.00 | 0.00 | 1.25 | 1.25 |
| 27.85 | 0.39 | 0.60 | 5.00 | 0.00 | 1.25 | 1.25 |
| 27.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 27.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 28.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 28.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.22 | 1.22 |
| 28.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.22 | 1.22 |
| 28.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.20 | 1.20 |
| 28.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.20 | 1.20 |
| 28.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 28.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |

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|---|---|---|---|---|---|---|
| 28.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 28.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 28.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 28.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 29.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 29.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 29.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 29.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 29.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 29.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 29.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 29.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 29.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 29.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 29.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 29.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 29.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 29.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 30.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 30.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 30.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 30.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 30.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 30.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.30 | 0.51 | 0.59 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.35 | 0.51 | 0.59 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.40 | 0.51 | 0.59 | 5.00 | 0.00 | 1.03 | 1.03 |
| 30.45 | 0.51 | 0.59 | 5.00 | 0.00 | 1.03 | 1.03 |
| 30.50 | 0.51 | 0.59 | 5.00 | 0.00 | 1.02 | 1.02 |
| 30.55 | 0.51 | 0.59 | 5.00 | 0.00 | 1.02 | 1.02 |
| 30.60 | 0.51 | 0.59 | 5.00 | 0.00 | 1.01 | 1.01 |
| 30.65 | 0.51 | 0.59 | 5.00 | 0.00 | 1.01 | 1.01 |
| 30.70 | 0.51 | 0.59 | 5.00 | 0.00 | 1.00 | 1.00 |
| 30.75 | 0.51 | 0.59 | 5.00 | 0.00 | 1.00 | 1.00 |
| 30.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.99 | 0.99 |
| 30.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.99 | 0.99 |
| 30.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.98 | 0.98 |
| 30.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.98 | 0.98 |
| 31.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.97 | 0.97 |
| 31.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.97 | 0.97 |
| 31.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.96 | 0.96 |
| 31.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.96 | 0.96 |
| 31.20 | 0.51 | 0.59 | 5.00 | 0.00 | 0.95 | 0.95 |
| 31.25 | 0.51 | 0.59 | 5.00 | 0.00 | 0.95 | 0.95 |

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|---|---|---|---|---|---|---|
| 31.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.94 | 0.94 |
| 31.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.94 | 0.94 |
| 31.40 | 0.50 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 31.45 | 0.50 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 31.50 | 0.50 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 31.55 | 0.49 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 31.60 | 0.49 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 31.65 | 0.49 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 31.70 | 0.49 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.75 | 0.48 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.80 | 0.48 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.85 | 0.48 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.90 | 0.48 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.95 | 0.47 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 32.00 | 0.47 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 32.05 | 0.47 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 32.10 | 0.47 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 32.15 | 0.47 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 32.20 | 0.47 | 0.58 | 5.00 | 0.00 | 0.85 | 0.85 |
| 32.25 | 0.46 | 0.58 | 5.00 | 0.00 | 0.85 | 0.85 |
| 32.30 | 0.46 | 0.58 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.35 | 0.46 | 0.58 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.40 | 0.46 | 0.58 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.45 | 0.46 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.50 | 0.46 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.55 | 0.45 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.60 | 0.45 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.65 | 0.45 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.70 | 0.45 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.75 | 0.45 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.80 | 0.45 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.85 | 0.45 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.90 | 0.44 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.95 | 0.44 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 33.00 | 0.44 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.05 | 0.44 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.10 | 0.44 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.15 | 0.44 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.20 | 0.44 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.25 | 0.44 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.30 | 0.44 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.35 | 0.43 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.40 | 0.43 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.45 | 0.43 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.50 | 0.43 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.55 | 0.43 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.60 | 0.43 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.65 | 0.43 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.70 | 0.43 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.75 | 0.43 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |

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|---|---|---|---|---|---|---|
| 33.80 | 0.43 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.85 | 0.43 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |
| 33.90 | 0.42 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 33.95 | 0.42 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 34.00 | 0.42 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 34.05 | 0.42 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 34.10 | 0.42 | 0.57 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.15 | 0.42 | 0.57 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.20 | 0.42 | 0.57 | 5.00 | 0.00 | 0.63 | 0.63 |
| 34.25 | 0.42 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.30 | 0.42 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.35 | 0.42 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.40 | 0.42 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.45 | 0.42 | 0.57 | 5.00 | 0.00 | 0.60 | 0.60 |
| 34.50 | 0.42 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.55 | 0.41 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.60 | 0.41 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.65 | 0.41 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.70 | 0.41 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.75 | 0.41 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.80 | 0.41 | 0.57 | 5.00 | 0.00 | 0.56 | 0.56 |
| 34.85 | 0.41 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.90 | 0.41 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.95 | 0.41 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 35.00 | 0.41 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 35.05 | 0.44 | 0.57 | 5.00 | 0.00 | 0.53 | 0.53 |
| 35.10 | 0.50 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 35.15 | 0.50 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 35.20 | 0.50 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 35.25 | 0.50 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 35.30 | 0.50 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 35.35 | 0.50 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 35.40 | 0.50 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 35.45 | 0.50 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 35.50 | 0.50 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.55 | 0.50 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.60 | 0.50 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.65 | 0.50 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.70 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.75 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.80 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.85 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.90 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.95 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 36.00 | 0.50 | 0.57 | 5.00 | 0.00 | 0.44 | 0.44 |
| 36.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.44 | 0.44 |
| 36.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |

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|---|---|---|---|---|---|---|
| 36.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.55 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.60 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.65 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.70 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.75 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.80 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.85 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 36.90 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 36.95 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.00 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.55 | 0.49 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.60 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.65 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.70 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.75 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.80 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.85 | 0.49 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 37.90 | 0.49 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 37.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |

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|---|---|---|---|---|---|---|
| 38.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.85 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.90 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.55 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.60 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.65 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.70 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.75 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.80 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 40.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 40.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |

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|---|---|---|---|---|---|---|
| 41.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.55 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.60 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.65 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.70 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.75 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 41.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 41.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.70 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.75 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 43.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 43.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |

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|---|---|---|---|---|---|---|
| 43.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.60 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.65 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.60 | 0.48 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.65 | 0.48 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 45.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 45.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |

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|---|---|---|---|---|---|---|
| 46.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.55 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.45 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.50 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |

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|---|---|---|---|---|---|---|
| 48.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.45 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.50 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.55 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.60 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.65 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.70 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.75 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.80 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.85 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.90 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.95 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.00 | 0.47 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.05 | 0.47 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.10 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.15 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.20 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.25 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.30 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.35 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.40 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 51.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |

---

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5,  CRR is limited to 2,    CSR is limited to 2)

Units:  Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight =

pcf; Depth = ft; Settlement = in.

---

1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

**APPENDIX E**

FIELD EXPLORATION

## APPENDIX E

## FIELD EXPLORATION

Our field investigation consisted of ten (10) exploratory bores excavated on May 24, 2023 utilizing a track mounted hollow stem auger rig (CME 75). Continuous logs of the materials encountered were reported by a representative of Sladden Engineering. Materials encountered in the boreholes were classified in accordance with the Unified Soil Classification System.

Representative undisturbed samples were obtained within our borings by driving a thin-walled steel penetration sampler (California split spoon sampler) or a Standard Penetration Test (SPT) sampler with a 140 pound automatic-trip hammer dropping approximately 30 inches (ASTM D1586). The number of blows required to drive the samplers 18 inches was recorded in 6-inch increments and blowcounts are indicated on the boring logs.

The California samplers are 3.0 inches in diameter, provided with brass sample rings having inner diameters of 2.5 inches. The standard penetration samplers are 2.0 inches in diameter with an inner diameter of 1.5 inches. Undisturbed samples were removed from the sampler and placed in moisture sealed containers to preserve the natural soil moisture content. Bulk samples were obtained from the excavation spoils and samples were then transported to our laboratory for further observations and testing.

UNIFIED SOIL CLASSIFICATION SYSTEM

| MAJOR DIVISIONS | | | TYPICAL NAMES | |
|---|---|---|---|---|
| COARSE GRAINED SOILS<br>MORE THAN HALF IS LARGER THAN No.200 SIEVE | GRAVELS<br>MORE THAN HALF COARSE FRACTION IS LARGER THAN No.4 SIEVE SIZE | CLEAN GRAVELS WITH LITTLE OR NO FINES | GW | WELL GRADED GRAVEL-SAND MIXTURES |
| | | | GP | POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES |
| | | GRAVELS WITH OVER 12% FINES | GM | SILTY GRAVELS, POORLY-GRADED GRAVEL-SAND-SILT MIXTURES |
| | | | GC | CLAYEY GRAVELS, POORLY GRADED GRAVEL-SAND-CLAY MIXTURES |
| | SANDS<br>MORE THAN HALF COARSE FRACTION IS SMALLER THAN No.4 SIEVE SIZE | CLEAN SANDS WITH LITTLE OR NO FINES | SW | WELL GRADED SANDS, GRAVELLY SANDS |
| | | | SP | POORLY GRADED SANDS, GRAVELLY SANDS |
| | | SANDS WITH OVER 12% FINES | SM | SILTY SANDS, POORLY GRADED SAND-SILT MIXTURES |
| | | | SC | CLAYEY SANDS, POORLY GRADED SAND-CLAY MIXTURES |
| FINE GRAINED SOILS<br>MORE THAN HALF IS SMALLER THAN No.200 SIEVE | SILTS AND CLAYS<br>LIQUID LIMIT LESS THAN 50 | | ML | INORGANIC SILTS & VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS, OR CLAYEY SILTS WITH SLIGHT PLASTICITY |
| | | | CL | INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, CLEAN CLAYS |
| | | | OL | ORGANIC CLAYS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY |
| | SILTS AND CLAYS: LIQUID LIMIT GREATER THAN 50 | | MH | INORGANIC SILTS, MICACEOUS OR DIATOMACIOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS |
| | | | CH | INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS |
| | | | OH | ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS |
| HIGHLY ORGANIC SOILS | | | Pt | PEAT AND OTHER HIGHLY ORGANIC SOILS |

EXPLANATION OF BORE LOG SYMBOLS


California Split-spoon Sample


Unrecovered Sample


Standard Penetration Test Sample


Groundwater depth

Note: The stratification lines on the borelogs represent the approximate boundaries between the soil types; the transitions may be gradual.

**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-1 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| X | 4 7 11 | 1 | 0 | | | | 2 | | No Recovery. |
| | 8 12 15 | | | 5.1 | 0.1 | | 4 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 4 6 9 | | | 7.4 | 0.2 | | 8 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 10 26 23 | | | 6.6 | 0.2 | | 12 14 16 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 9 12 12 | | | 6.5 | 0.4 | | 18 20 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 14 20 28 | | | 5.2 | 0.2 | 108.2 | 22 24 26 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 15 18 20 | | | 7.2 | 0.4 | | 28 30 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 17 19 22 | | | 4.2 | 0.2 | 112.5 | 32 34 36 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 20 35 50 | | | 8.4 | 0.4 | | 38 40 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |
| | 20/50-5" | | | 4.8 | 0.3 | | 42 44 46 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |
| | 15 27 20 | | | 9.6 | 0.3 | | 48 50 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |

Completion Notes:
Terminated at ~51.5 Feet bgs.
No Bedrock Encountered.
No Groundwater or Seepage Encountered.

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

| Project No: | 544-23112 | Page | 1 |
|---|---|---|---|
| Report No: | 23-07-368 | | |

**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-2 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | | | | | | | 2 | | |
| | | | | | | | 4 | | |
| | 3 4 5 | | | 8.5 | 0..2 | | 6 | | Sand (SP); yellowish brown, dry, loose, fine-grained (Qs). |
| | | | | | | | 8 | | |
| | 5 10 12 | | | 8.0 | 0.1 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 12 | | |
| | | | | | | | 14 | | |
| | 8 12 14 | | | 8.0 | 0.3 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 18 | | |
| X | 12 21 30 | | | | | | 20 | | No Recovery. |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | |
| | 10 12 15 | | | 9.2 | 0.4 | | 26 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 28 | | |
| | 11 17 25 | | | 11.8 | 0.2 | | 30 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | |
| | 10 14 17 | | | 5.8 | 0.5 | | 36 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 38 | | |
| | 30 42 50 | | | 6.2 | 0.4 | 111.4 | 40 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | 14 24 26 | | | 7.1 | 0.6 | | 46 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 48 | | |
| | 30/50-6" | | | 7.3 | 0.3 | 109.9 | 50 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |

Completion Notes:
Terminated at ~51.5 Feet bgs.
No Bedrock Encountered.
No Groundwater or Seepage Encountered.

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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| Report No: | 23-07-368 | | |

**Sladden Engineering**

# BORE LOG

| | | | |
|---|---|---|---|
| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
| Elevation: | 300 Ft. MSL | Boring No: | BH-3 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 3 3 5 | | | 5.4 | 0.1 | | 6 | | Sand (SP); yellowish brown, dry, loose, fine-grained (Qs). |
| | 7 11 14 | | | 5.7 | 0.1 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 5 7 10 | | | 6.8 | 0.3 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 18 32 34 | | | 7.2 | 0.3 | 108.7 | 20 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 22 | | Terminated at ~21.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

| | | | |
|---|---|---|---|
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Sladden Engineering

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-4 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| X | 6 10 12 | | | | | | 5 | | No Recovery. |
| | 6 10 11 | | | 7.0 | 0.3 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 7 22 36 | | | 5.0 | 0.3 | 113.7 | 15 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 9 9 12 | | | 6.7 | 0.4 | | 20 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 12 22 30 | | | 4.7 | 0.3 | 10.9 | 25 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 26.5 | | Terminated at ~26.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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|---|---|---|---|
| Report No: | 23-07-368 | | |

**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-5 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 3 5 8 | | | 6.6 | 0.2 | | 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 12 18 18 | | | 8.0 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 9 12 17 | | | 7.7 | 0.5 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 18 | | Terminated at ~16.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-6 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | | | | | | | 2 | | |
| | | | | | | | 4 | | |
| | 4 5 7 | | | 4.5 | 0.2 | | 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 8 | | |
| | 5 6 9 | | | 6.7 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 12 | | |
| | | | | | | | 14 | | |
| | 5 8 10 | | | 8.0 | 0.2 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 18 | | |
| | 7 15 25 | | | | | | 20 | | No Recovery. |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | |
| | 8 14 16 | | | 7.0 | 0.4 | | 26 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 28 | | |
| | 15 25 38 | | | 5.6 | 0.3 | 109.8 | 30 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | Terminated at ~31.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |
| | | | | | | | 36 | | |
| | | | | | | | 38 | | |
| | | | | | | | 40 | | |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | | | | | | | 46 | | |
| | | | | | | | 48 | | |
| | | | | | | | 50 | | |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-7 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 4 5 6 | | | 6.4 | 0.2 | | 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 5 6 7 | | | 7.8 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 10 24 27 | | | 5.5 | 0.3 | 107.3 | 16 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 9 11 15 | | | 9.9 | 0.4 | | 20 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | Terminated at ~21.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |
| | | | | | | | 26 | | |
| | | | | | | | 28 | | |
| | | | | | | | 30 | | |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | |
| | | | | | | | 36 | | |
| | | | | | | | 38 | | |
| | | | | | | | 40 | | |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | | | | | | | 46 | | |
| | | | | | | | 48 | | |
| | | | | | | | 50 | | |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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**Sladden Engineering**

# BORE LOG

| | | | |
|---|---|---|---|
| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
| Elevation: | 300 Ft. MSL | Boring No: | BH-8 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 2 4 6 | | | 5.4 | 0.1 | | 6 | | Sand (SP); yellowish brown, dry, loose, fine-grained (Qs). |
| | 4 7 9 | | | 8.1 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 12 18 22 | | | 7.9 | 0.2 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 10 15 18 | | | 8.6 | 0.2 | | 20 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 22 | | Terminated at ~21.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

| | | | |
|---|---|---|---|
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Sladden Engineering

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-9 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | | | | | | | 2 | | |
| | | | | | | | 4 | | |
| ■ | 3 4 5 | | | 5.4 | 0.1 | | 6 | | Sand (SP); yellowish brown, dry, loose, fine-grained (Qs). |
| | | | | | | | 8 | | |
| ■ | 8 7 5 | | | 7.6 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 12 | | |
| | | | | | | | 14 | | Terminated at ~11.5 Feet bgs. |
| | | | | | | | 16 | | No Bedrock Encountered. |
| | | | | | | | 18 | | No Groundwater or Seepage Encountered. |
| | | | | | | | 20 | | |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | |
| | | | | | | | 26 | | |
| | | | | | | | 28 | | |
| | | | | | | | 30 | | |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | |
| | | | | | | | 36 | | |
| | | | | | | | 38 | | |
| | | | | | | | 40 | | |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | | | | | | | 46 | | |
| | | | | | | | 48 | | |
| | | | | | | | 50 | | |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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|---|---|---|---|
| Report No: | 23-07-368 | | |

Sladden Engineering

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-10 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 4 4 8 | | | 6.2 | 0.2 | | 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 3 6 7 | | | 8.2 | 0.3 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 12 | | Terminated at ~11.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |
| | | | | | | | 14 | | |
| | | | | | | | 16 | | |
| | | | | | | | 18 | | |
| | | | | | | | 20 | | |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | |
| | | | | | | | 26 | | |
| | | | | | | | 28 | | |
| | | | | | | | 30 | | |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | |
| | | | | | | | 36 | | |
| | | | | | | | 38 | | |
| | | | | | | | 40 | | |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | | | | | | | 46 | | |
| | | | | | | | 48 | | |
| | | | | | | | 50 | | |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

| Project No: | 544-23112 | Page | 10 |
|---|---|---|---|
| Report No: | 23-07-368 | | |

**APPENDIX F**

LABORATORY TESTING

## APPENDIX F

## LABORATORY TESTING

Representative bulk and relatively undisturbed soil samples were obtained in the field and returned to our laboratory for additional observations and testing. Laboratory testing was generally performed in two phases. The first phase consisted of testing in order to determine the compaction of the existing natural soil and the general engineering classifications of the soil underlying the site. This testing was performed in order to estimate the engineering characteristics of the soil and to serve as a basis for selecting samples for the second phase of testing. The second phase consisted of soil mechanics testing. This testing including consolidation, shear strength and expansion testing was performed in order to provide a means of developing specific design recommendations based on the mechanical properties of the soil.

## CLASSIFICATION AND COMPACTION TESTING

**Unit Weight and Moisture Content Determinations:** Each undisturbed sample was weighed and measured in order to determine its unit weight. A small portion of each sample was then subjected to testing in order to determine its moisture content. This was used in order to determine the dry density of the soil in its natural condition. The results of this testing are shown on the Boring Logs.

**Maximum Density-Optimum Moisture Determinations:** Representative soil types were selected for maximum density determinations. This testing was performed in accordance with the ASTM Standard D1557-91, Test Method A. The results of this testing are presented graphically in this appendix. The maximum densities are compared to the field densities of the soil in order to determine the existing relative compaction to the soil. This is shown on the Boring Logs, and is useful in estimating the strength and compressibility of the soil.

**Classification Testing:** Soil samples were selected for classification testing. This testing consists of mechanical grain size analyses. This provides information for developing classifications for the soil in accordance with the Unified Soil Classification System which is presented in the preceding appendix. This classification system categorizes the soil into groups having similar engineering characteristics. The results of this testing is very useful in detecting variations in the soil and in selecting samples for further testing.

## SOIL MECHANIC'S TESTING

**Expansion Testing:** One (1) bulk sample was selected for Expansion testing. Expansion testing was performed in accordance with the UBC Standard 18-2. This testing consists of remolding 4-inch diameter by 1-inch thick test specimens to a moisture content and dry density corresponding to approximately 50 percent saturation. The samples are subjected to a surcharge of 144 pounds per square foot and allowed to reach equilibrium. At that point the specimens are inundated with distilled water. The linear expansion is then measured until complete.

**Direct Shear Tests:** One bulk sample was selected for Direct Shear testing. This test measures the shear strength of the soil under various normal pressures and is used to develop parameters for foundation design and lateral design. Tests were performed using a recompacted test specimen that was saturated prior to tests. Tests were performed using a strain controlled test apparatus with normal pressures ranging from 700 to 4,200 pounds per square foot.

**Corrosion Series Testing:** The soluble sulfate concentrations of the surface soil were determined in accordance with California Test Method Number (CA) 417. The pH and Minimum Resistivity were determined in accordance with CA 643. The soluble chloride concentrations were determined in accordance with CA 422.

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# Maximum Density/Optimum Moisture

ASTM D698/D1557

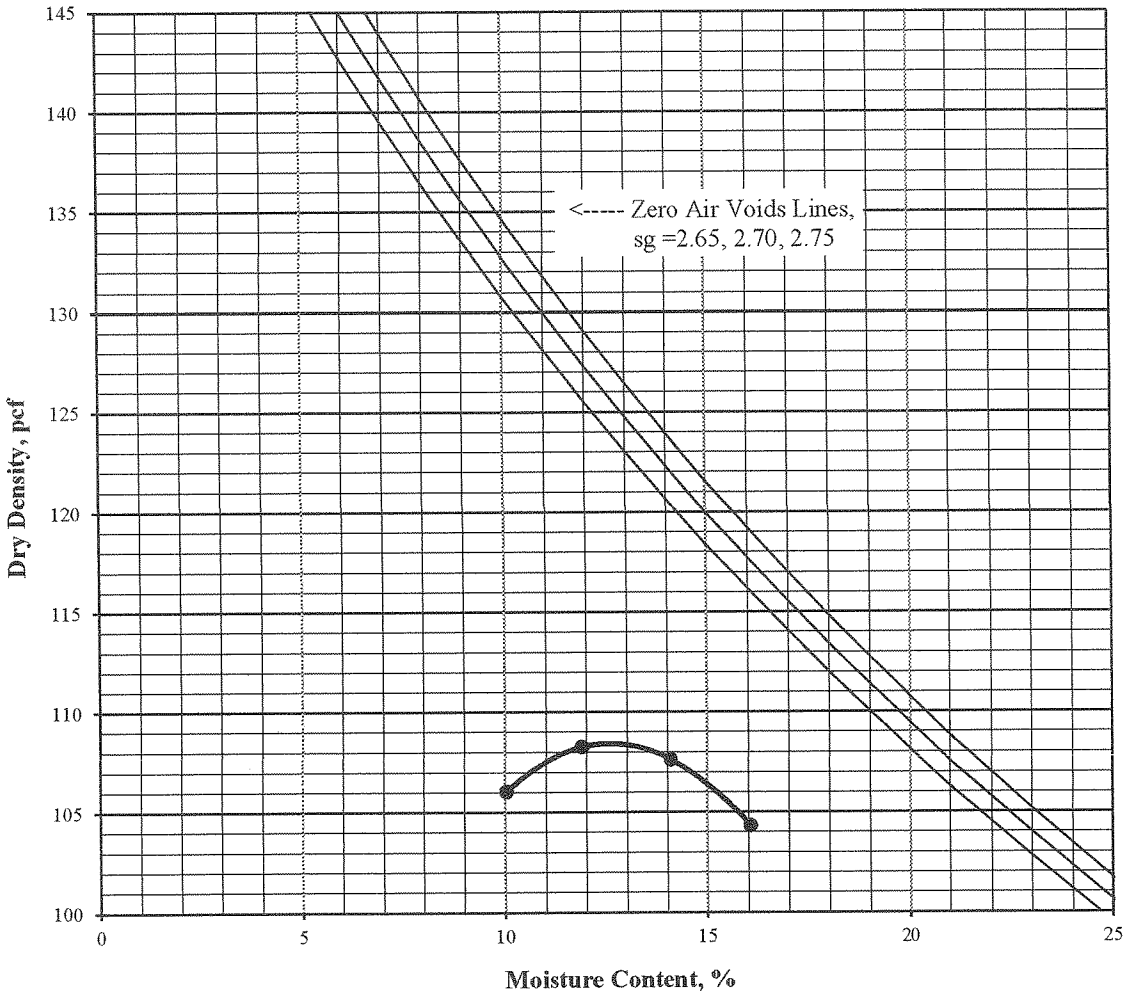
Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample Location: BH-1 Bulk 1 @ 0-5'
Description: Gray Brown Sand w/ Silt (SP-SM)

June 27, 2023

ASTM D-1557 A
Rammer Type: Machine

**Maximum Density:** **109 pcf**
**Optimum Moisture:** **13%**

| Sieve Size | % Retained |
|---|---|
| 3/4" | |
| 3/8" | |
| #4 | 0.4 |



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# Expansion Index

ASTM D 4829

Job Number: 544-23112

Job Name: Gerald Ford Drive

Lab ID Number: LN6-23219

Sample ID: BH-1 Bulk 1 @ 0-5'

Soil Description: Gray Brown Sand w/Silt (SP-SM)

June 27, 2023

| | |
|---|---|
| Wt of Soil + Ring: | 550.6 |
| Weight of Ring: | 191.9 |
| Wt of Wet Soil: | 358.7 |
| Percent Moisture: | 11.4% |
| Sample Height, in | 0.95 |
| Wet Density, pcf: | 114.8 |
| Dry Denstiy, pcf: | 103.0 |

| | |
|---|---|
| **% Saturation:** | 48.4 |

**Expansion** **Rack # 3**

| | | |
|---|---|---|
| Date/Time | 6/23/2023 | 1:45 PM |
| Initial Reading | 0.0000 | |
| Final Reading | 0.0000 | |

**Expansion Index** **0**

(Final - Initial) x 1000

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# Gradation

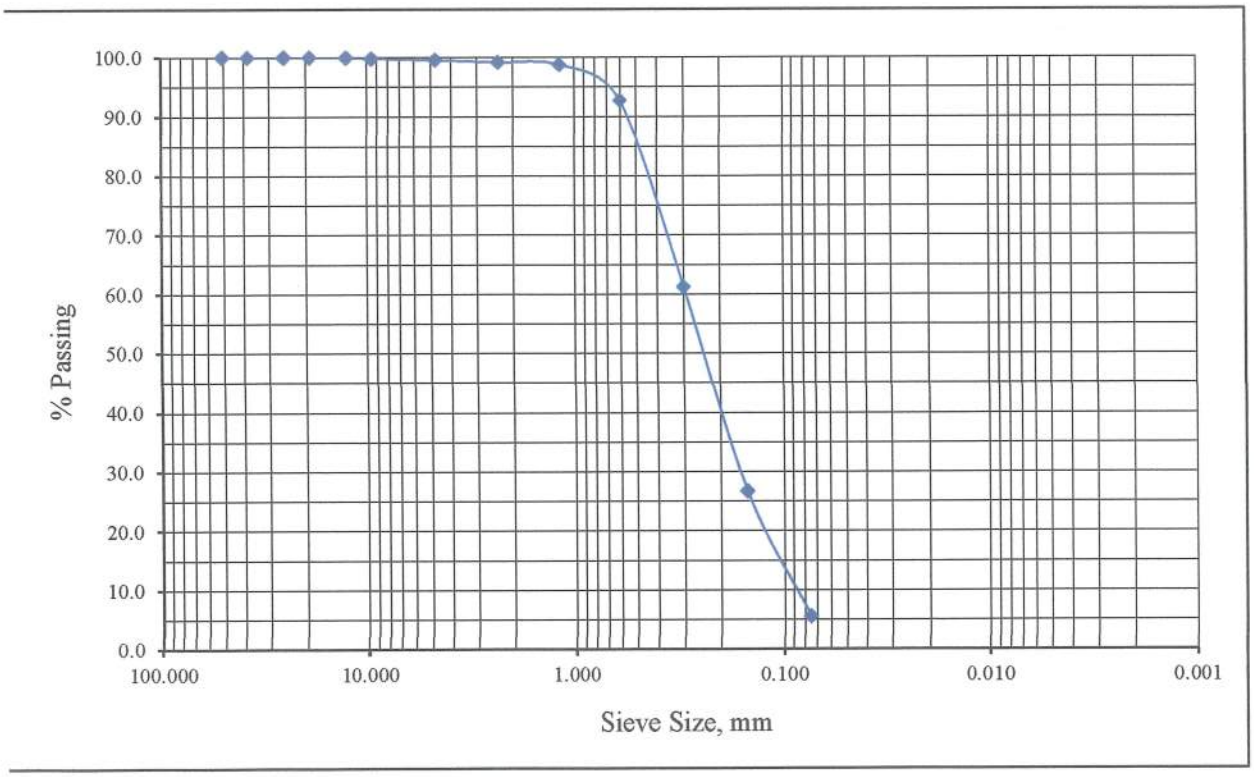
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-1 Bulk 1 @ 0-5'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 2" | 50.8 | 100.0 |
| 1 1/2" | 38.1 | 100.0 |
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 99.8 |
| #4 | 4.75 | 99.6 |
| #8 | 2.36 | 99.2 |
| #16 | 1.18 | 98.8 |
| #30 | 0.60 | 92.7 |
| #50 | 0.30 | 61.2 |
| #100 | 0.15 | 26.7 |
| #200 | 0.075 | 5.5 |



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## Gradation

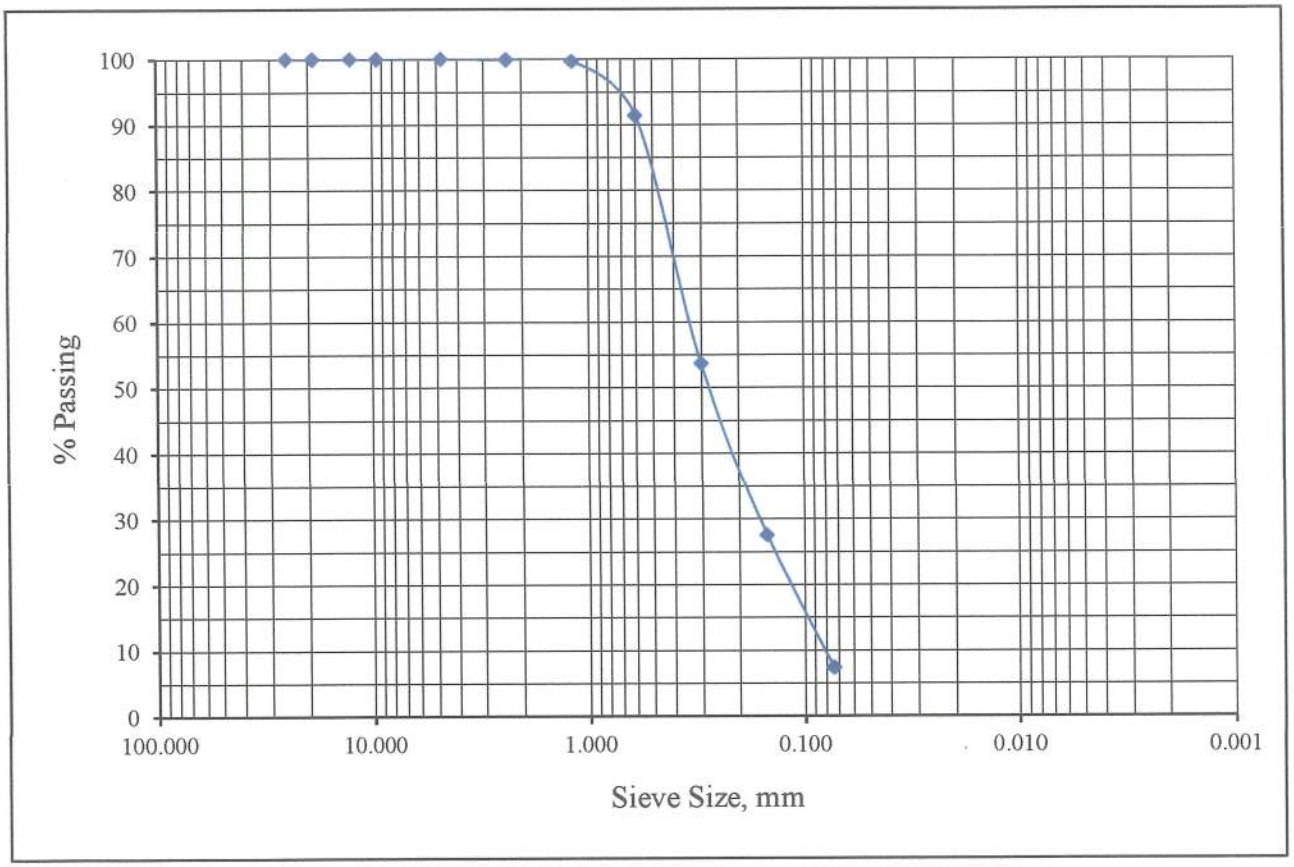
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-1 S-2 @ 10'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 99.9 |
| #16 | 1.18 | 99.7 |
| #30 | 0.60 | 91.4 |
| #50 | 0.30 | 53.7 |
| #100 | 0.15 | 27.6 |
| #200 | 0.074 | 7.4 |



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## Gradation

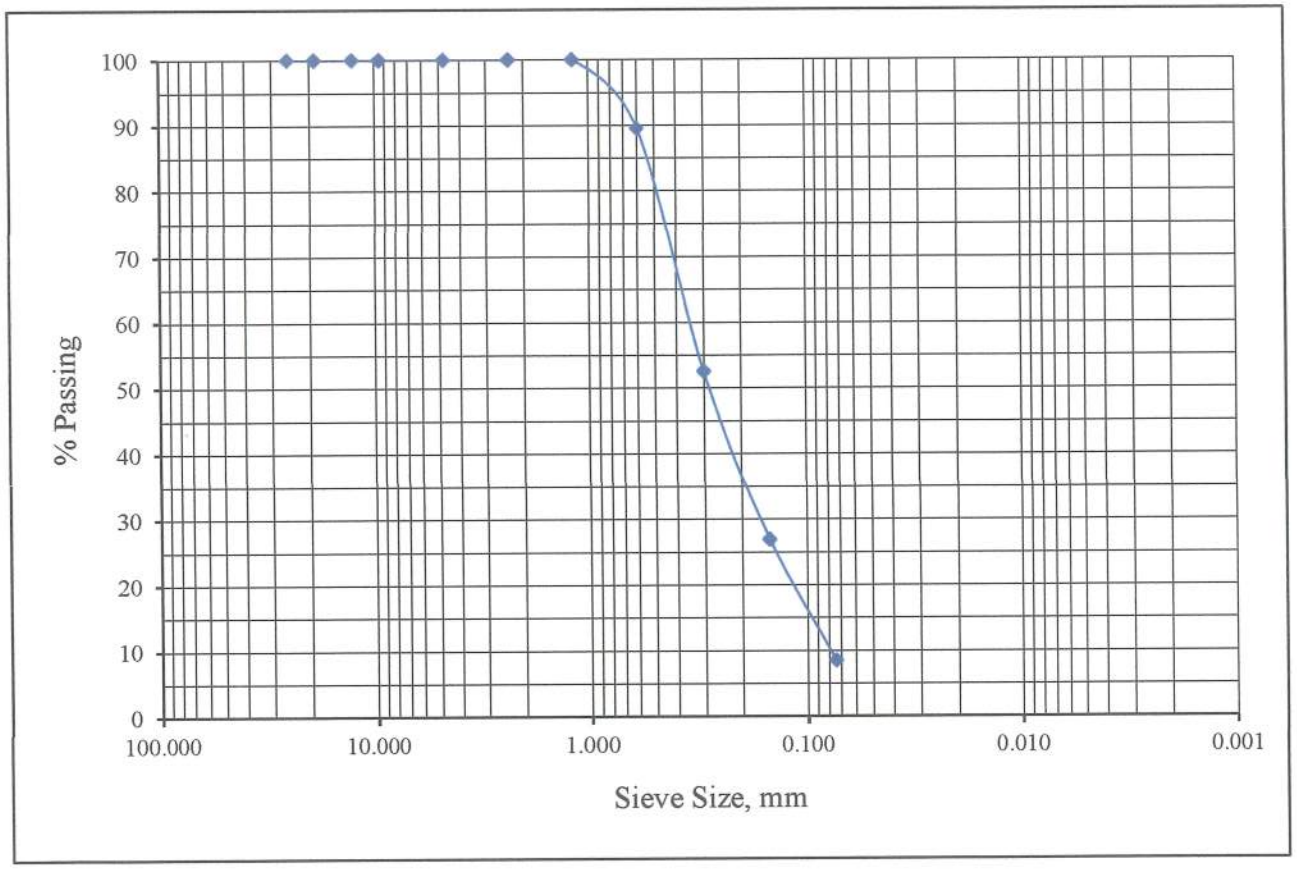
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-2 S-1 @ 5'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 100.0 |
| #16 | 1.18 | 100.0 |
| #30 | 0.60 | 89.5 |
| #50 | 0.30 | 52.5 |
| #100 | 0.15 | 26.9 |
| #200 | 0.074 | 8.5 |



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## Gradation

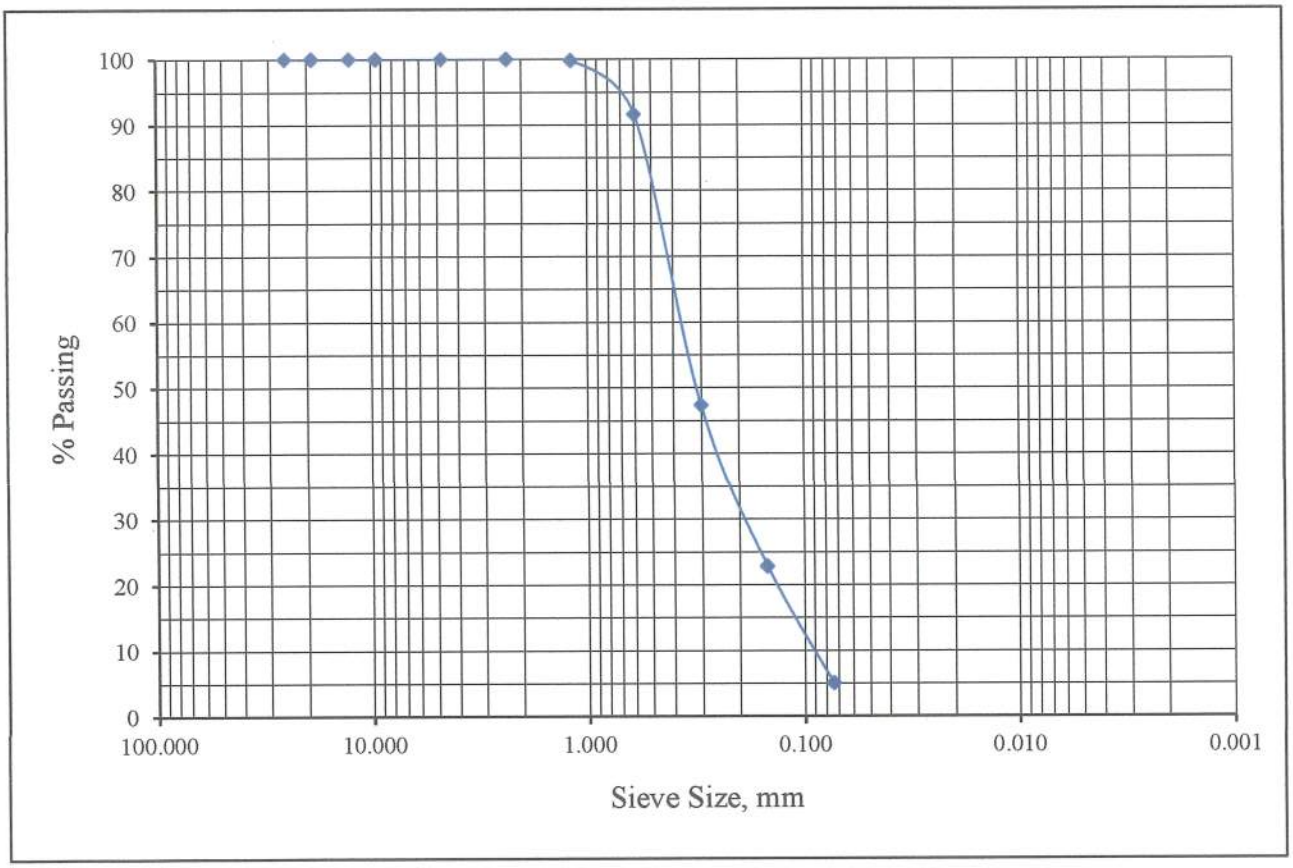
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-4 R-2 @ 15'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 100.0 |
| #16 | 1.18 | 99.8 |
| #30 | 0.60 | 91.6 |
| #50 | 0.30 | 47.3 |
| #100 | 0.15 | 22.8 |
| #200 | 0.074 | 5.0 |



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## Gradation

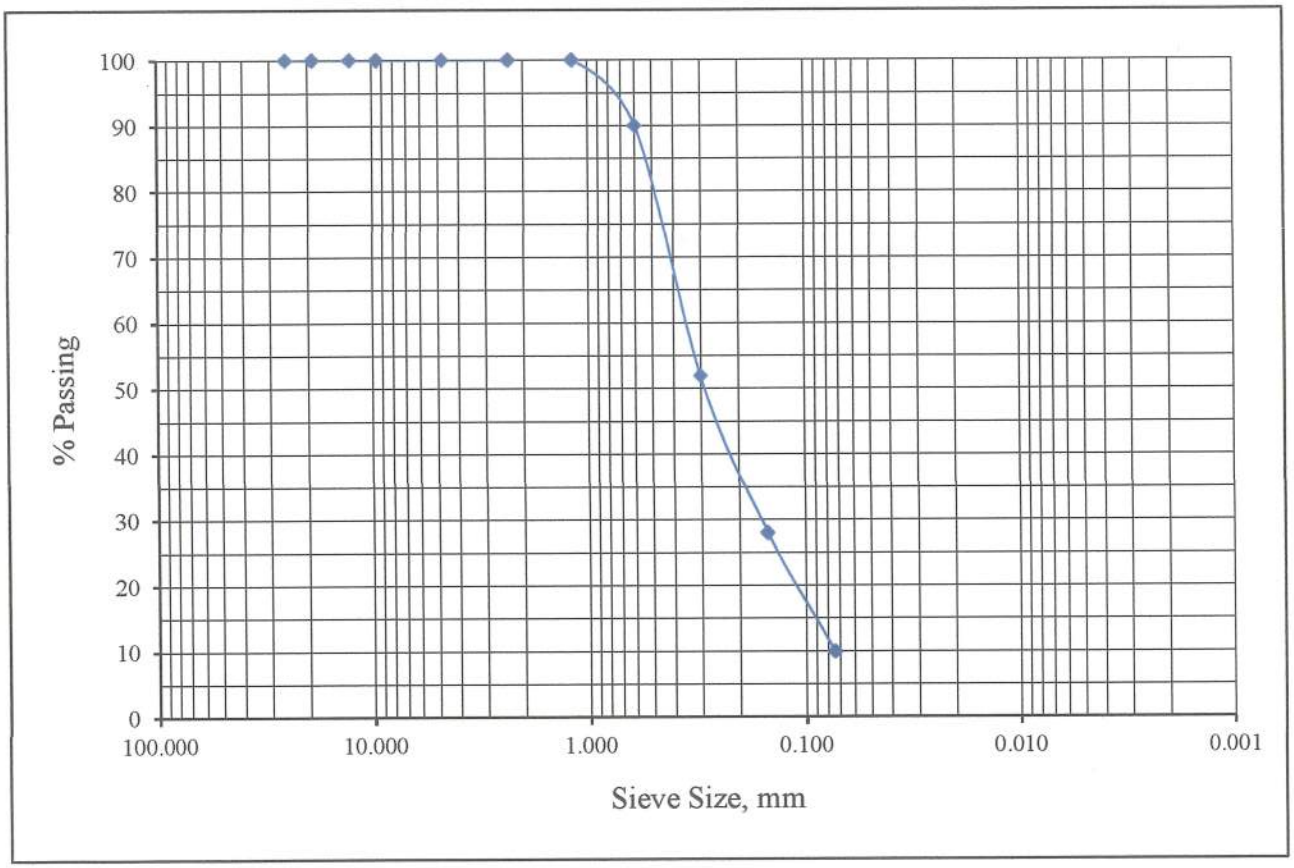
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-7 S-4 @ 20'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 100.0 |
| #16 | 1.18 | 100.0 |
| #30 | 0.60 | 90.0 |
| #50 | 0.30 | 51.9 |
| #100 | 0.15 | 28.0 |
| #200 | 0.074 | 9.9 |



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## Gradation

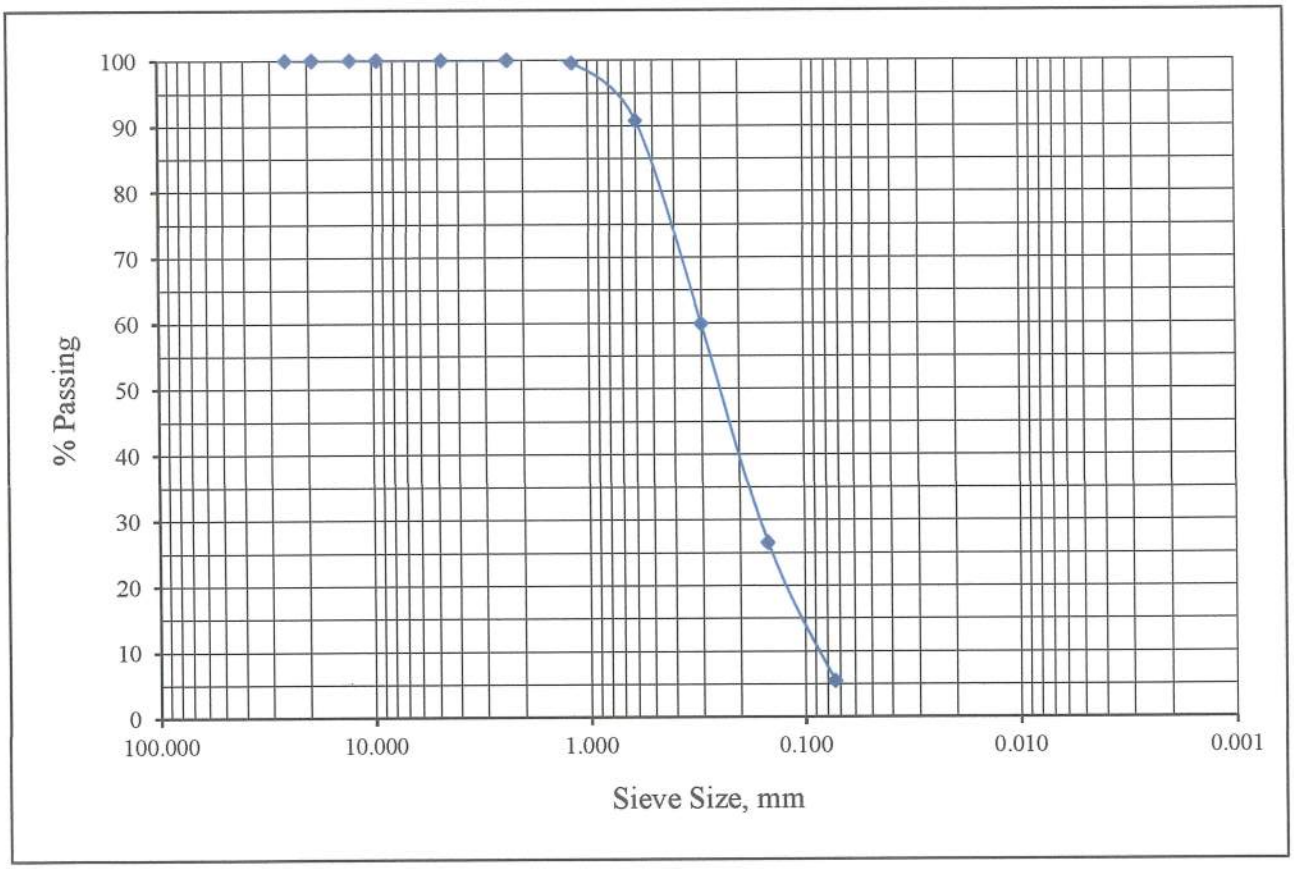
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-9 S-1 @ 5'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 100.0 |
| #16 | 1.18 | 99.6 |
| #30 | 0.60 | 90.7 |
| #50 | 0.30 | 59.9 |
| #100 | 0.15 | 26.5 |
| #200 | 0.074 | 5.4 |



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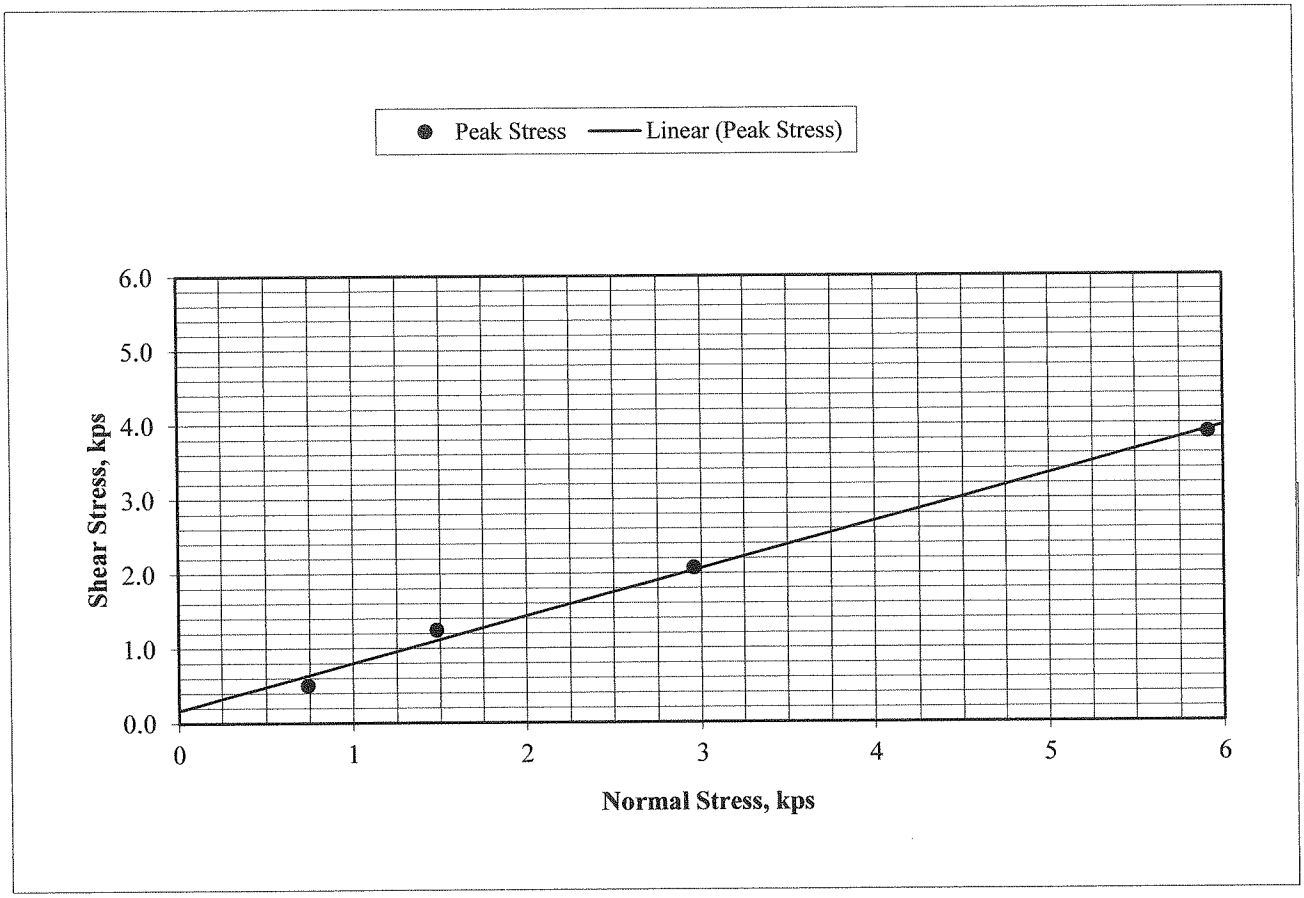
**Direct Shear** ASTM D 3080-04
(modified for unconsolidated condition)

| | | | |
|---|---|---|---|
| Job Number: | 544-23112 | | June 27, 2023 |
| Job Name | Gerald Ford Drive | Initial Dry Density: | 97.9 pcf |
| Lab ID No. | LN6-23219 | Initial Mosture Content: | 13.0 % |
| Sample ID | BH-1 Bulk 1 @ 0-5' | Peak Friction Angle (Ø): | 32° |
| Classification | Gray Brown Sand w/Silt (SP-SM) | Cohesion (c): | 170 psf |
| Sample Type | Remolded @ 90% of Maximum Density | | |

| Test Results | 1 | 2 | 3 | 4 | Average |
|---|---|---|---|---|---|
| Moisture Content, % | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 |
| Saturation, % | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| Normal Stress, kps | 0.739 | 1.479 | 2.958 | 5.916 | |
| Peak Stress, kps | 0.501 | 1.243 | 2.071 | 3.880 | |



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45090 Golf Center Pkwy, Suite F, Indio, CA 92201 (760) 863-0713 Fax (760) 863-0847
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863


Date: June 27, 2023

Account No.: 544-23112

Customer: Prest Vuksic Architects

Location: APN 685-120-003 & 004, Gerald Ford Drive, Rancho Mirage

## Analytical Report

---

Corrosion Series

| | pH per CA 643 | Soluble Sulfates per CA 417 ppm | Soluble Chloride per CA 422 ppm | Min. Resistivity per CA 643 ohm-cm |
|---|---|---|---|---|
| BH-1 @ 0-5' | 7.5 | 20 | 50 | 24,000 |

**APPENDIX G**

SETTLEMENT ANALYSIS – SCHMERTMANN METHOD

# Settlement Analysis-Schmertmann Method

## SKILLED NURSING FACILITY, RANCHO MIRAGE

### A. Column Load = 50,000 pounds, Square Footing Width = 4' 1", Depth = 1.5 ft.

| Load,lbs | 50,000 | Width, ft. | 4.1 | Depth, ft. | 1.5 | |
|---|---|---|---|---|---|---|
| Depth, ft | Ftg Offset Depth, ft. | SPT Site Design Curve | E, psi | Ave E,psi | Delta p, psf | Estimated Column Settl'mt. |
| 1 1/2 | | 11 | 1,833 | | | |
| | 1 3/4 | | | 1833 | 1461 | 0.23 |
| 5 | | 11 | 1,833 | | | |
| | 6 | | | 2000 | 490 | 0.10 |
| 10 | | 13 | 2,167 | | | |
| | 11 | | | 2583 | 219 | 0.04 |
| 15 | | 18 | 3,000 | | | |
| | 16 | | | 3083 | 124 | 0.02 |
| 20 | | 19 | 3,167 | | | |
| | 21 | | | 3417 | 79 | 0.01 |
| 25 | | 22 | 3,667 | | | |
| | 26 | | | 4000 | 55 | 0.01 |
| 30 | | 26 | 4,333 | | | Total 1/2" |

### B. Continuous Wall Footing

| Load,plf | 5,000 | Width, ft. | 1.3 | Depth, ft. | 1.6 | |
|---|---|---|---|---|---|---|
| Depth, ft | Ftg Offset Depth, ft. | SPT Numbers Bore #1 | E, psi | Ave E,psi | Delta p, psf | Estimated Footing Settl'mt. |
| 1 1/2 | | 11 | 1,833 | | | |
| | 1 3/4 | | | 1833 | 1517 | 0.22 |
| 5 | | 11 | 1,833 | | | |
| | 6 | | | 2000 | 520 | 0.11 |
| 10 | | 13 | 2,167 | | | |
| | 11 | | | 2583 | 287 | 0.05 |
| 15 | | 18 | 3,000 | | | |
| | 16 | | | 3083 | 198 | * |
| 20 | | 19 | 3,167 | | | |
| | 21 | | | 3167 | 151 | * |
| 25 | | 19 | 3,167 | | | |
| | 26 | | | 3750 | 122 | * |
| 30 | | 26 | 4,333 | | | Total 1/2" |

* Delta p is less that 10% of overburden stress-neglect

**APPENDIX H**

SITE PLANS

ADVANCED
HEALTH CARE

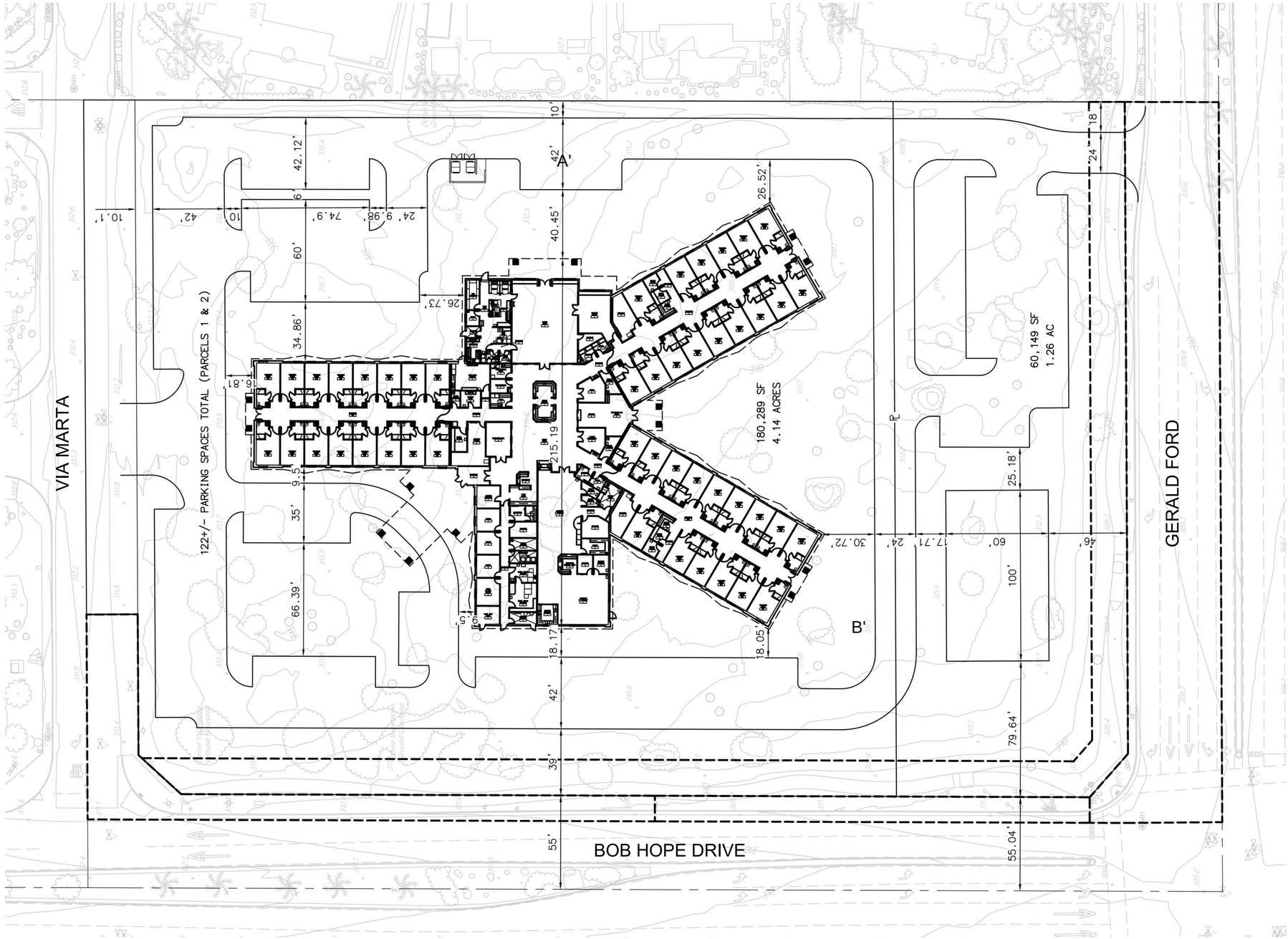
# AHC

## SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

PREST | VUKSIC | GREENWOOD

ARCHITECTS·INTERIORS




ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

0' 15' 30' 60' 120'

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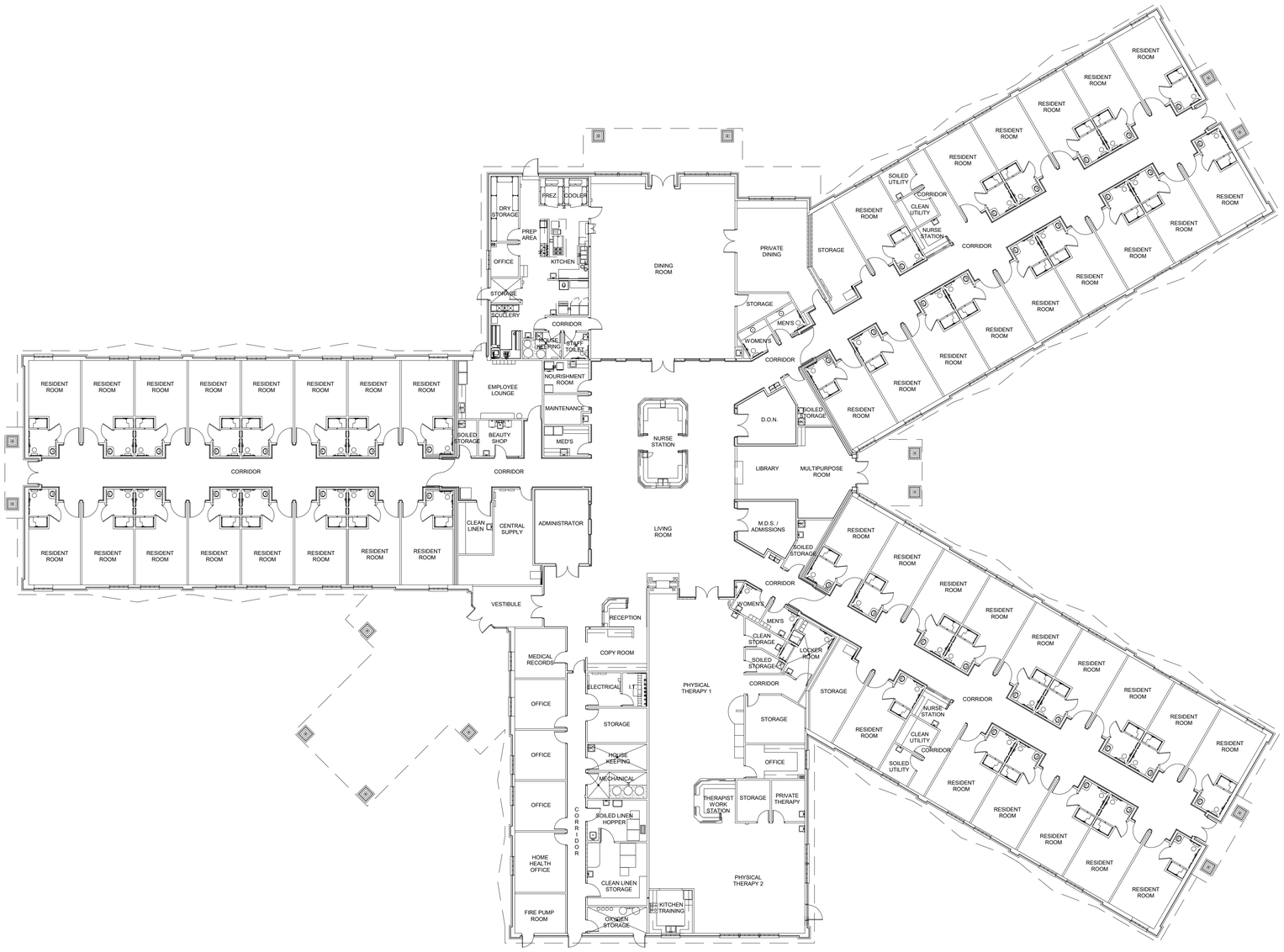
INFO@PVGARCHITECTS.COM | 760 . 779 . 5393 T

SITE PLAN

Scale: 1" = 30'-0"

Sheet: A101

MAY 3, 2023
223025




| SQUARE FOOTAGE | |
|---|---|
| NAME | S.F. |
| BUILDING AREA | 39,527.1 SF |
| 46 LICENSED BEDS | |

ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

0' 8' 16' 32' 64'

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FLOOR PLAN

Scale: 1/16" = 1'-0"

Sheet: A201

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223025

ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

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PERSPECTIVE

Scale:

Sheet: A001

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PERSPECTIVE

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ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

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PERSPECTIVE

Scale:

Sheet: A007

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ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

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PERSPECTIVE

Scale:

Sheet: A008

JULY 3, 2023
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ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

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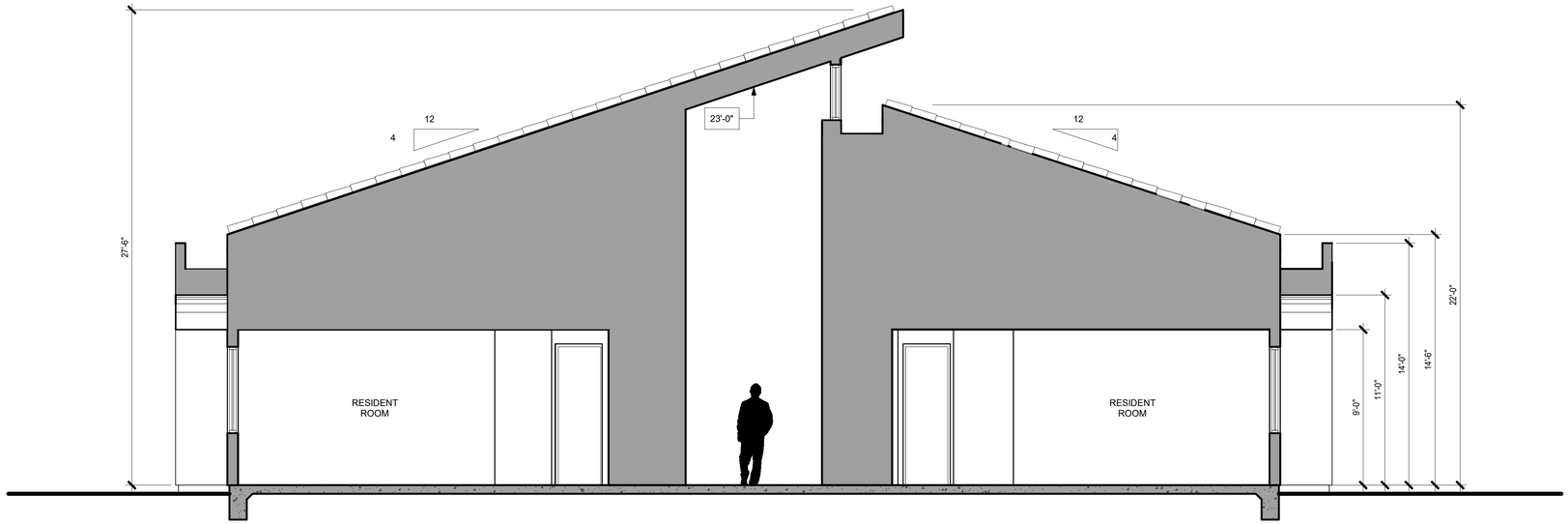
PERSPECTIVE

Scale:

Sheet: A009

JULY 3, 2023
223025




SCHEMATIC SECTION
1/4" = 1'-0"

ADVANCED
HEALTH CARE

# AHC - SKILLED NURSING FACILITY

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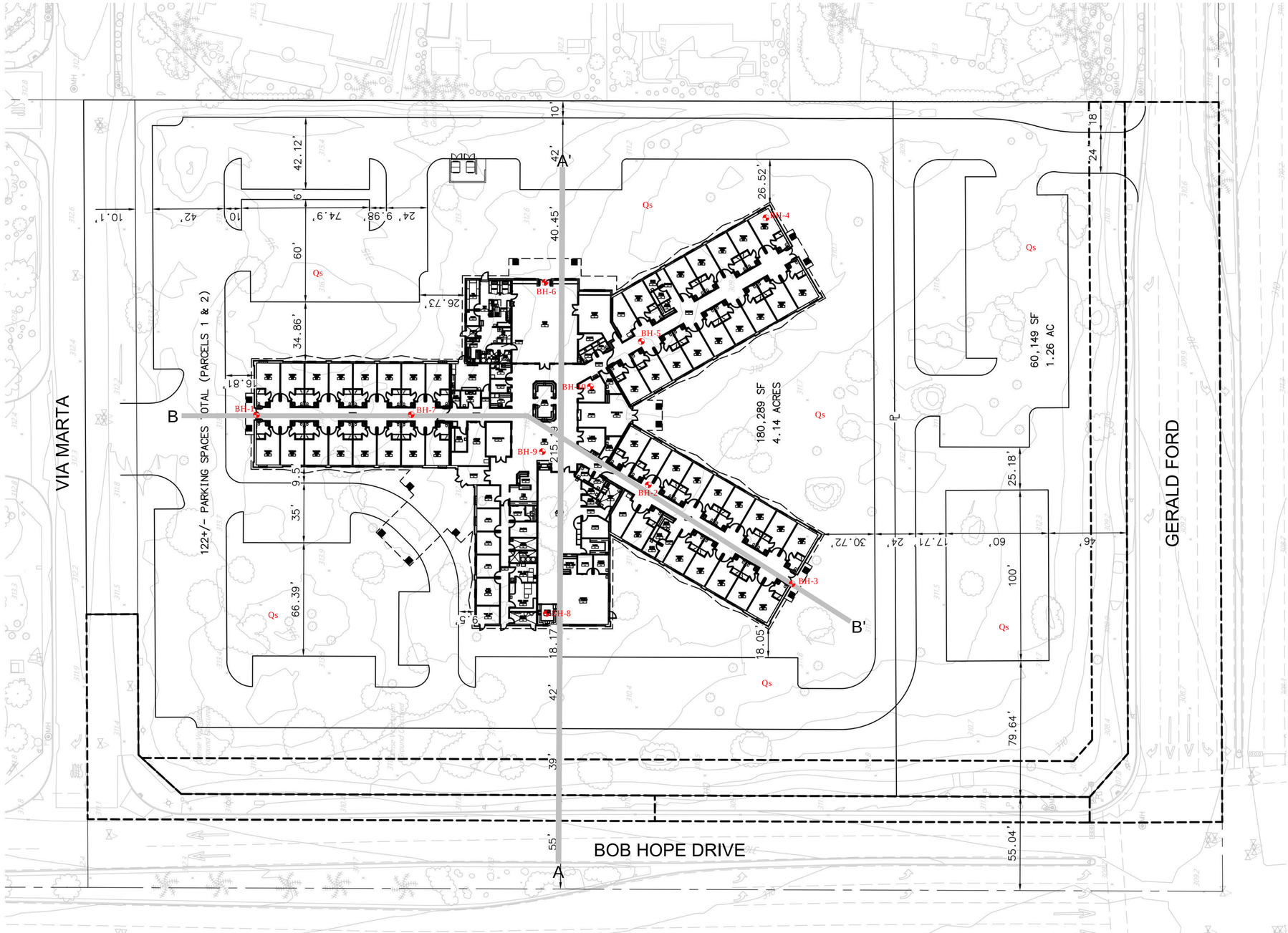
BUILDING SECTION

Scale: 1/4" = 1'-0"
Sheet: A401

MAY 3, 2023
223025

**PLATES**

GEOTECHNICAL MAP
CROSS SECTIONS




EXPLANATION

BH-10 BOREHOLE LOCATION

Qs EOLIAN SAND DEPOSITS

GEOLOGIC CROSS SECTION

GEOTECHNICAL / GEOLOGIC MAP

ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

0' 15' 30' 60' 120'

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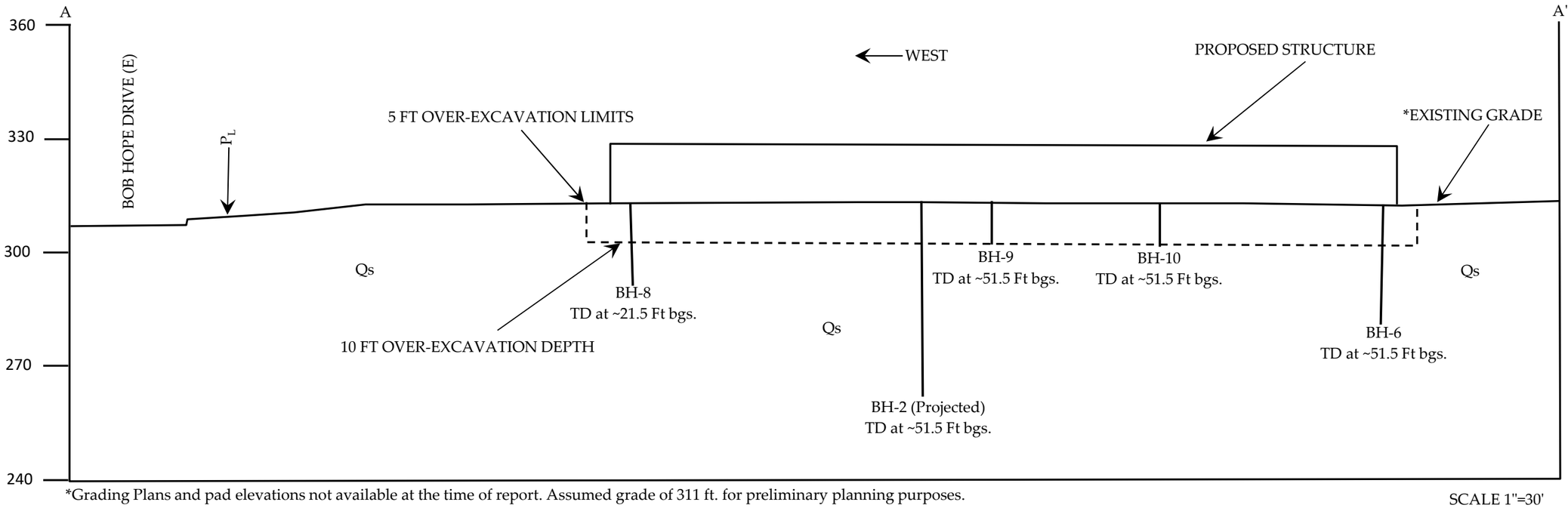
SITE PLAN

Scale: 1" = 30'-0"

Sheet: A101

MAY 3, 2023
223025




*Grading Plans and pad elevations not available at the time of report. Assumed grade of 311 ft. for preliminary planning purposes.

SCALE 1"=30'

**Sladden Engineering**

| CROSS SECTION A-A' | | PLATE |
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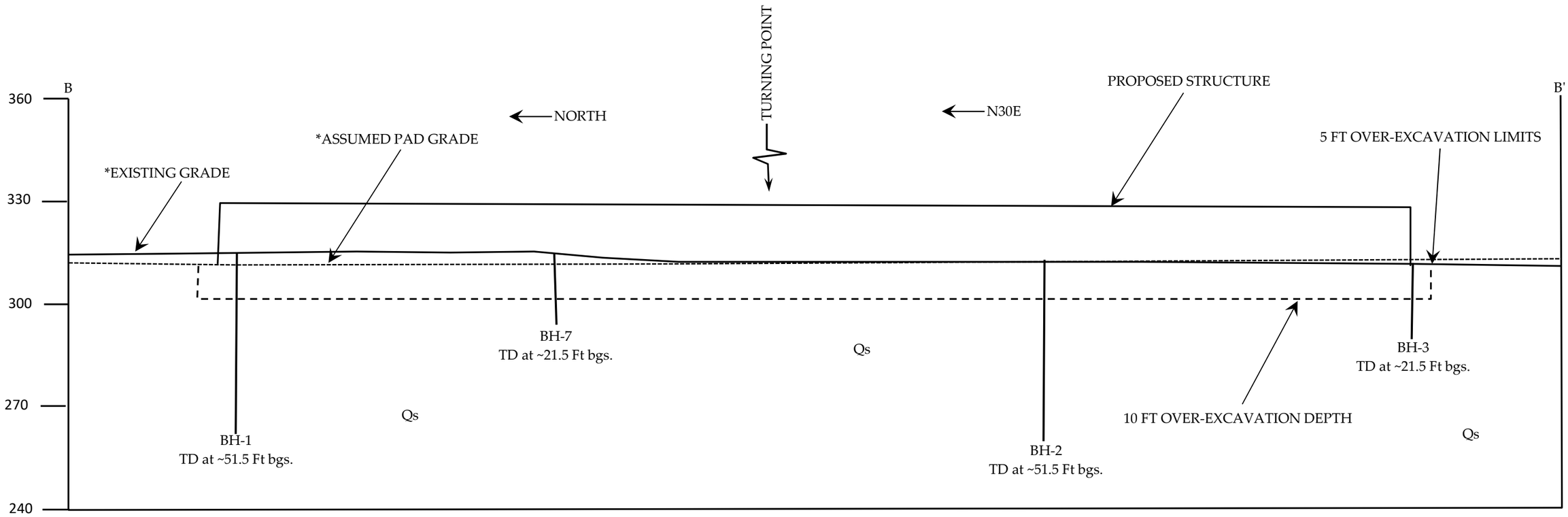
| Project Number: | 544-23112 | 1 |
| Report Number: | 23-07-368 | |
| Date: | August 28, 2023 | |




*Grading Plans and pad elevations not available at the time of report. Assumed grade of 311 ft. for preliminary planning purposes.

SCALE 1"=30'

Sladden Engineering

| CROSS SECTION B-B' | | PLATE |
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| Project Number: | 544-23112 | 2 |
| Report Number: | 23-07-368 | |
| Date: | August 28, 2023 | |

**HISTORICAL/ARCHAEOLOGICAL RESOURCES SURVEY REPORT**

# AHC SKILLED NURSING FACILITY PROJECT

**Assessor's Parcel Nos. 685-120-003 and -004**
**City of Rancho Mirage, Riverside County, California**

**For Submittal to:**

Development Services Department, Planning Division
City of Rancho Mirage
69-825 Highway 111
Rancho Mirage, CA 92270

**Prepared for:**

Terra Nova Planning and Research, Inc.
42635 Melanie Place, Suite 101
Palm Desert, CA 92211

**Prepared by:**

CRM TECH
1016 East Cooley Drive, Suite A/B
Colton, CA 92324

Bai "Tom" Tang, Principal Investigator
Michael Hogan, Principal Investigator

October 3, 2023
CRM TECH Contract No. 4030

**Title:** Historical/Archaeological Resources Survey Report: AHC Skilled Nursing Facility, Assessor's Parcel Nos. 685-120-003 and -004, City of Rancho Mirage, Riverside County, California

**Author(s):** Bai "Tom" Tang, Principal Investigator/Historian
Breidy Q. Vilcahuaman, Archaeologist/Report Writer
Michael D. Richards, Archaeologist

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1016 East Cooley Drive, Suite A/B
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**Date:** October 3, 2023

**For Submittal to:** Development Services Department, Planning Division
City of Rancho Mirage
69-825 Highway 111
Rancho Mirage, CA 92270
(760) 328-2266

**Prepared for:** Nicole Criste
Terra Nova Planning and Research, Inc.
42635 Melanie Place, Suite 101
Palm Desert, CA 92211

**Project Size:** Approximately 5.5 acres

**USGS Quadrangle:** Cathedral City, Calif., 7.5' quadrangle (Section 30, T4S R6E, San Bernardino Baseline and Meridian)

**Keywords:** Coachella Valley, western Colorado Desert; Phase I historical/ archaeological resources survey; no "historical resources" impacted under CEQA

## EXECUTIVE SUMMARY

Between June and October 2023, at the request of Terra Nova Planning and Research, Inc., CRM TECH performed a cultural resources survey on approximately 5.5 acres of undeveloped land in the northeastern portion of the City of Rancho Mirage, Riverside County, California. The subject property of the study consists of Assessor's Parcel Nos. 685-120-003 and -004, located on the northeast corner of Bob Hope Drive and Gerald Ford Drive, in the southwest quarter of Section 30, Township 4 South, Range 6 East, San Bernardino Baseline and Meridian.

The study is part of the environmental review process for the proposed development of the property into an AHC skilled nursing facility. The City of Rancho Mirage, as the lead agency for the project, required the study in compliance with the California Environmental Quality Act (CEQA). The purpose of the study is to provide the City with the necessary information and analysis to determine whether the project would cause substantial adverse changes to any "historical resources," as defined by CEQA, that may exist in or around the project area.

In order to identify such resources, CRM TECH conducted a historical/archaeological resources records search, contacted pertinent Native American representatives, pursued historical background research, and carried out an intensive-level field survey. Throughout the various avenues of research, this study did not encounter any "historical resources" within or adjacent to the project area. Therefore, CRM TECH recommends to the City of Rancho Mirage a finding of *No Impact* regarding "historical resources."

No further cultural resources investigation is recommended for the project unless development plans undergo such changes as to include areas not covered by this study. However, if buried cultural materials are encountered during any earth-moving operations associated with the project, all work in that area should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

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## INTRODUCTION

Between June and October 2023, at the request of Terra Nova Planning and Research, Inc., CRM TECH performed a cultural resources survey on approximately 5.5 acres of undeveloped land in the northeastern portion of the City of Rancho Mirage, Riverside County, California (Fig. 1). The subject property of the study consists of Assessor's Parcel Nos. 685-120-003 and -004, located on the northeast corner of Bob Hope Drive and Gerald Ford Drive, in the southwest quarter of Section 30, Township 4 South, Range 6 East, San Bernardino Baseline and Meridian (Figs. 2, 3).

The study is part of the environmental review process for the proposed development of the property into an AHC skilled nursing facility. The City of Rancho Mirage, as the lead agency for the project, required the study in compliance with the California Environmental Quality Act (CEQA; PRC §21000, et seq.). The purpose of the study is to provide the City with the necessary information and analysis to determine whether the project would cause substantial adverse changes to any "historical resources," as defined by CEQA, that may exist in or around the project area.

In order to identify such resources, CRM TECH conducted a historical/archaeological resources records search, contacted pertinent Native American representatives, pursued historical background research, and carried out an intensive-level field survey. The following report is a complete account of the methods, results, and final conclusion of the study. Personnel who participated in the study are named in the appropriate sections below, and their qualifications are provided in Appendix 1.

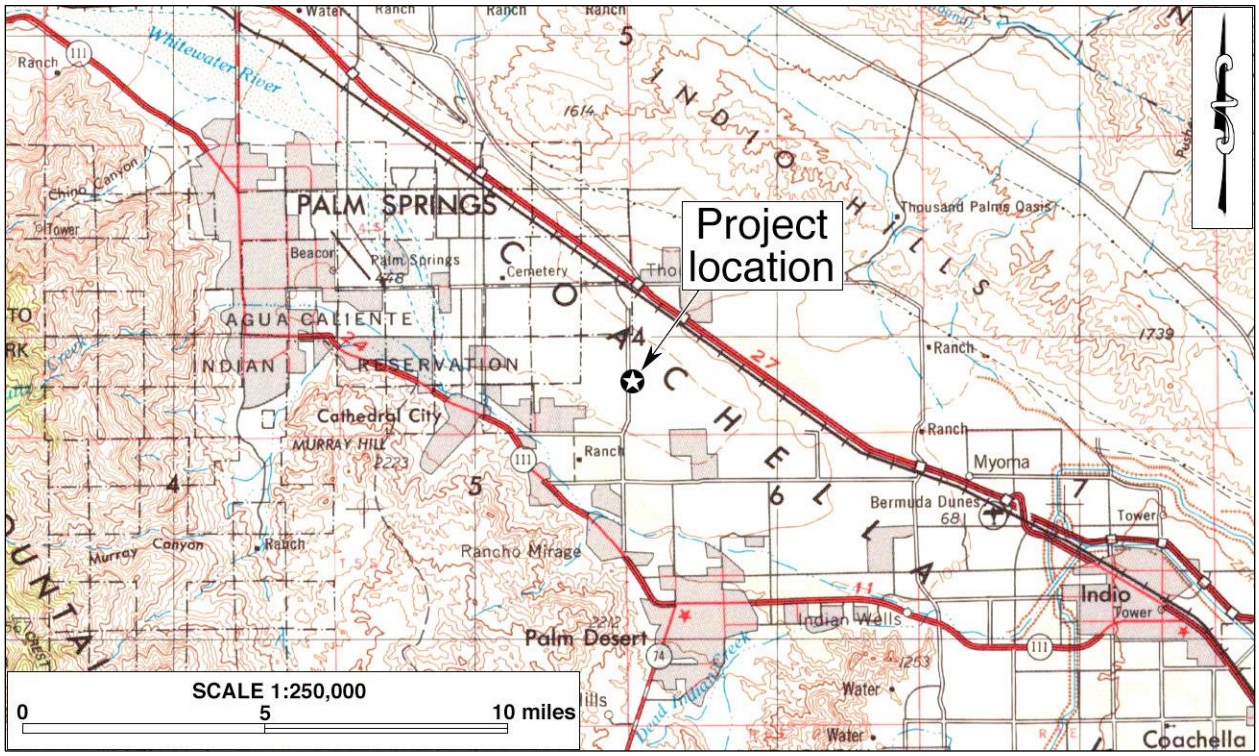


Figure 1. Project vicinity. (Based on USGS Santa Ana, Calif., 120'x60' quadrangle [USGS 1979])

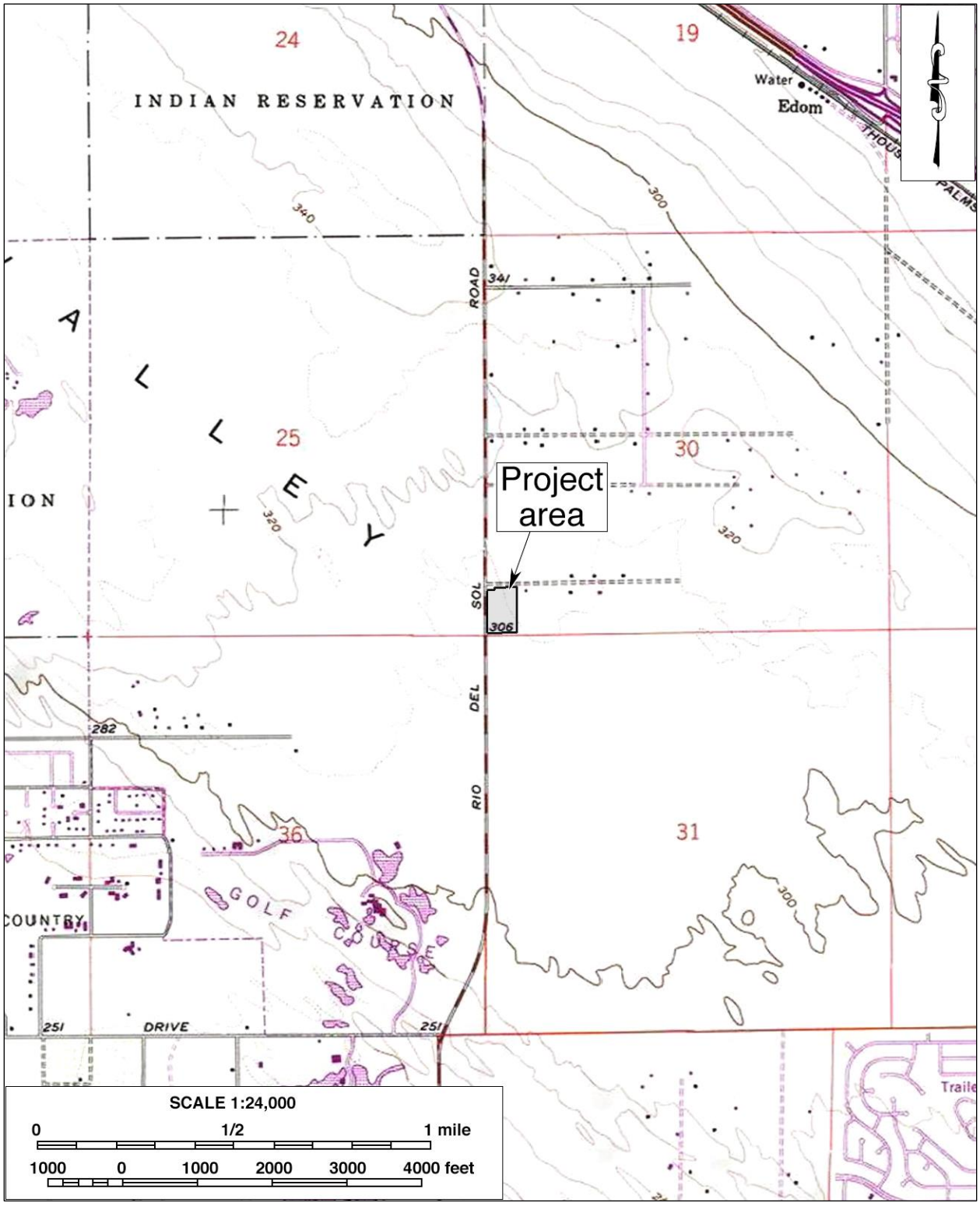


Figure 2. Project area. (Based on USGS Cathedral City, Calif., 7.5' quadrangle [USGS 1981])

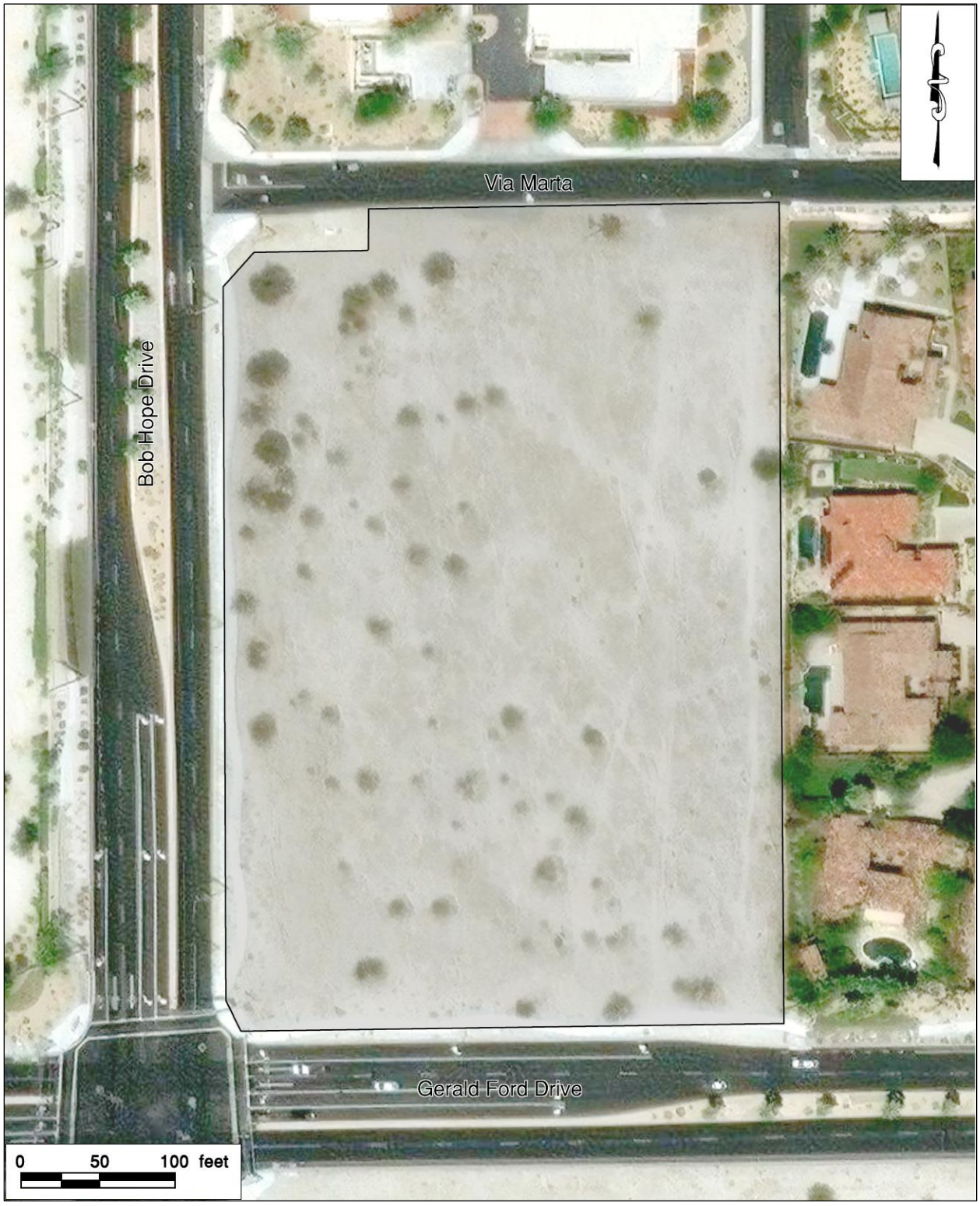


Figure 3. Recent satellite image of the project area. (Based on Google Earth imagery)

## SETTING

### CURRENT NATURAL SETTING

The City of Rancho Mirage is located in the heart of the Coachella Valley, a northwest-southeast trending desert valley that constitutes the western end of the Colorado Desert. Dictated by this geographic setting, the climate and environment of the region are typical of the southern California desert country, marked by extremes in temperature and aridity. Temperatures in the region reach over 120 degrees Fahrenheit in summer, and dip to freezing in winter. Average annual precipitation is less than five inches, and the average annual evaporation rate exceeds three feet.

The project location is on the northeastern outskirts of the City of Rancho Mirage, in a rapidly urbanizing area near the Interstate Highway 10 corridor. The property is surrounded by residential neighborhoods of relatively recent vintages to the east and the west, commercial buildings on the north, and an ongoing residential development on the south. The terrain in the project area is generally level, with elevations ranging approximately from 313 to 330 feet above mean sea level. The surface soils is composed of light olive gray fine sand.

The ground surface in the project area has been lightly disturbed in the past (Fig. 4). Sidewalks were previously installed along the western and southern edges of the property, along Bob Hope Drive and Gerald Ford Drive, respectively, and a few dirt roads crisscross the property. The project location is a part of the California Creosote Bush Scrub plant community, but the existing vegetation consists mainly of introduced landscaping plants such as palm, tamarisk, olive, oleander, and sweet acacia, along with scattered stands of native mesquite.

Figure 4. Overview of the project area. (Photograph taken on August 4, 2023; view to the southwest)

## CULTURAL SETTING

### Prehistoric Context

Numerous investigations on the history of cultural development in southern California have led researchers to propose a number of cultural chronologies for the desert regions. A specific cultural sequence for the Colorado Desert was offered by Schaefer (1994) on the basis of the many archaeological studies conducted in the area. The earliest time period identified is the Paleoindian (ca. 8,000 to 10,000-12,000 years ago), when "small, mobile bands" of hunters and gatherers, who relied on a variety of small and large game animals as well as wild plants for subsistence, roamed the region (*ibid*.:63). These small groups settled "on mesas and terraces overlooking larger washes" (*ibid*.:64). The artifact assemblage of that period typically consists of very simple stone tools, "cleared circles, rock rings, [and] some geoglyph types" (*ibid*.).

The Early Archaic Period follows and dates to ca. 8,000 to 4,000 years ago. It appears that a decrease in population density occurred at this time and that the indigenous groups of the area relied more on foraging than hunting. Very few archaeological remains have been identified to this time period. The ensuing Late Archaic Period (ca. 4,000 to 1,500 years ago) is characterized by continued low population densities and groups of "flexible" sizes that settled near available seasonal food resources and relied on "opportunistic" hunting of game animals. Groundstone artifacts for food processing were prominent during this time period.

The most recent period in Schaefer's scheme, the Late Prehistoric, dates from ca. 1,500 years ago to the time of the Spanish missions, and saw the continuation of the seasonal settlement pattern. Peoples of the Late Prehistoric Period were associated with the Patayan cultural pattern and relied more heavily on the availability of seasonal "wild plants and animal resources" (Schaefer 1994:66). It was during this period that ceramics and the bow/arrow were introduced into the region.

The shores of Holocene Lake Cahuilla, during times of its presence, attracted much settlement and resource procurement activities. In times of the lake's desiccation and absence, according to Schaefer (1994:66), the Native people moved away from its receding shores towards rivers, streams, and mountains. Numerous archaeological sites dating to the last high stand of Holocene Lake Cahuilla, roughly between 1600 and 1700 A.D., have been identified along its former shoreline. Testing and mitigative excavations at these sites have recovered brown and buff ware ceramics, a variety of groundstone and projectile point types, ornaments, and cremation remains.

### Ethnohistoric Context

The Coachella Valley is a historical center of Native American settlement, where U.S. surveyors noted large numbers of Indian villages and *rancherías*, occupied by the Cahuilla people, in the mid-19th century. The origin of the name "Cahuilla" is unclear, but may originate from their own word *káwiya*, meaning master or boss (Bean 1978). The Takic-speaking Cahuilla are generally divided by anthropologists into three groups, according to their geographic setting: the Pass Cahuilla of the San Gorgonio Pass-Palm Springs area, the Mountain Cahuilla of the San Jacinto and Santa Rosa Mountains and the Cahuilla Valley, and the Desert Cahuilla of the eastern Coachella Valley. The

basic written sources on Cahuilla culture and history include Kroeber (1925), Strong (1929), and Bean (1978), based on information provided by such Cahuilla informants as Juan Siva, Francisco Patencio, Katherine Siva Saubel, and Mariano Saubel. The following ethnohistoric discussion is based primarily on these sources.

The Cahuilla did not have a single name that referred to an all-inclusive tribal affiliation. Instead, membership was in terms of lineages or clans. Each lineage or clan belonged to one of two main divisions of the people, known as moieties. Their moieties were named for the Wildcat, or *Tuktum*, and Coyote, or *Istam*. Members of clans in one moiety had to marry into clans from the other moiety. Individual clans had villages, or central places, and territories they called their own, for purposes of hunting game, and gathering raw materials for food, medicine, ritual, or tool use. They interacted with other clans through trade, intermarriage, and ceremonies.

Cahuilla subsistence was defined by the surrounding landscape and primarily based on the hunting and gathering of wild and cultivated foods, exploiting nearly all of the resources available in a highly developed seasonal mobility system. They were adapted to the arid conditions of the desert floor, the lacustral cycles of Holocene Lake Cahuilla, and the environments of the nearby mountains. When the lake was full, or nearly full, the Cahuilla would take advantage of the resources presented by the body of fresh water, building elaborate stone fish traps. Once the lake had desiccated, they relied on the available terrestrial resources. The cooler temperatures and resources available at higher elevations in the nearby mountains were also taken advantage of.

The Cahuilla diet included seeds, roots, wild fruits and berries, acorns, wild onions, piñon nuts, and mesquite and screw beans. Medicinal plants such as creosote, California sagebrush, yerba buena and elderberry were typically cultivated near villages (Bean and Saubel 1972). Common game animals included deer, antelope, big horn sheep, rabbits, wood rats and, when Holocene Lake Cahuilla was present, fish and waterfowl. The Cahuilla hunted with throwing sticks, clubs, nets, traps, and snares, as well as bows and arrow (Bean 1978; CSRI 2002). Common tools included manos and metates, mortars and pestles, hammerstones, fire drills, awls, arrow-straighteners, and stone knives and scrapers. These lithic tools were made from locally sourced material as well as materials procured through trade or travel. They also used wood, horn, and bone spoons and stirrers; baskets for winnowing, leaching, grinding, transporting, parching, storing, and cooking; and pottery vessels for carrying water, storage, cooking, and serving food and drink (*ibid.*).

As the landscape defined their subsistence practices, the tending and cultivation practices of the Cahuilla helped shape the landscape. Biological studies have recently found evidence that the fan palms found in the Coachella Valley and throughout the southeastern California desert (*Washingtonia filifera*) may not be relics from a paleo-tropical environment, but instead a relatively recent addition brought to the area and cultivated by native populations (Anderson 2005). The planting of palms by the Cahuilla is well-documented, as is their enhancement of palm stands through the practice of controlled burning (*ibid.*; Bean and Saubel 1972). Burning palm stands would increase fruit yield dramatically by eliminating pests such as the palm borer beetle, date scales, and spider mites (Bean and Saubel 1972). It also prevented out-of-control wildfires by eliminating dead undergrowth before it accumulated to dangerous levels. The Cahuilla also burned stands of chia to produce higher yields, and deergrass to yield straighter, more abundant stalks for basketry (*ibid.*; Anderson 2005).

Population data prior to European contact is almost impossible to obtain, but estimates range from 3,600 to as high as 10,000 persons covering a territory of over 2,400 square miles. During the 19th century, the Cahuilla population was decimated as a result of European diseases, most notably smallpox, for which the Native peoples had no immunity. Today, Native Americans of Pass or Desert Cahuilla heritage are mostly affiliated with one or more of the Indian reservations in and near the Coachella Valley, including Agua Caliente, Morongo, Cabazon, Torres Martinez, and Augustine. There has been a resurgence of traditional ceremonies in recent years, and the language, songs, and stories are now being taught to the youngest generations.

**Historic Context**

In 1823-1825, José Romero, José Maria Estudillo, and Romualdo Pacheco became the first noted European explorers to travel through the Coachella Valley when they led a series of expeditions in search of a route to Yuma (Johnston 1987:92-95). Due to its harsh environment, few non-Indians ventured into the desert valley during the Mexican and early American periods, except those who traveled along the established trails. The most important of these trails was the Cocomaricopa Trail, an ancient Indian trading route that was "discovered" in 1862 by William David Bradshaw and known after that as the Bradshaw Trail (Gunther 1984:71; Ross 1992:25). In much of the Coachella Valley, this historic wagon road traversed a similar course to that of present-day State Route 111. During the 1860s-1870s, the Bradshaw Trail served as the main thoroughfare between coastal southern California and the Colorado River, until the completion of the Southern Pacific Railroad in 1876-1877 brought an end to its heyday (Johnston 1987:185).

Non-Indian settlement in the Coachella Valley began in the 1870s with the establishment of railroad stations along the Southern Pacific Railroad, and spread further in the 1880s after public land was opened for claims under the Homestead Act, the Desert Land Act, and other federal land laws (Laflin 1998:35-36; Robinson 1948:169-171). Farming became the dominant economic activity in the valley thanks to the development of underground water sources, often in the form of artesian wells. Around the turn of the century, the date palm was introduced into the Coachella Valley, and by the late 1910s dates were the main agricultural crop and the tree an iconic image celebrating the region as the "Arabia of America" (Shields Date Gardens 1957). Then, starting in the 1920s, a new industry featuring equestrian camps, resorts, hotels, and eventually country clubs began to spread throughout the Coachella Valley, transforming it into southern California's premier winter retreat.

In the Rancho Mirage area, the first notable settlement activities occurred in the 1910s-1920s, when several date ranches were established in the present-day city boundary (Love and Tang 1996:7). In 1924, R.P. "Bert" Davie and E.E. McIntyre subdivided the Rancho Rio del Sol Estates around today's Clancy Lane, creating a small community nicknamed "Little Santa Monica" (*ibid.*:8). Ten years later, Louis Blankenhorn and Laurence Macomber began a new subdivision at the mouth of Magnesia Spring Canyon, and for the first time bestowed the name Rancho Mirage on the community (*ibid.*). After the end of WWII, Rancho Mirage embarked on a period of rapid growth. With the development of the Thunderbird Country Club and the Tamarisk Country Club in 1951-1952, Rancho Mirage set the trend in the post-WWII boom among the five cove communities along Highway 111 (*ibid.*:8-9). This trend has continued into the present and has given rise to the City of Rancho Mirage's popular reputation as the "country club city."

# RESEARCH METHODS

## RECORDS SEARCH

On July 21, 2023, CRM TECH archaeologist Nina Gallardo completed the historical/archaeological resources records search for this study at the Eastern Information Center (EIC) of the California Historical Resources Information System. Located on the campus of the University of California, Riverside, the EIC is the official cultural resource records repository for the County of Riverside. The purpose of the records search was to compile a complete inventory of previously identified cultural resources and existing cultural resources reports within a one-mile radius of the project location. Previously identified cultural resources include properties designated as California Historical Landmarks, Points of Historical Interest, or Riverside County Historic Landmarks, as well as those listed in the National Register of Historic Places, the California Register of Historical Resources, or the California Historical Resources Inventory.

## NATIVE AMERICAN PARTICIPATION

On June 20, 2022, CRM TECH submitted a written request to the State of California Native American Heritage Commission (NAHC) for a records search in the commission's Sacred Lands File. In the meantime, CRM TECH also contacted the nearby Agua Caliente Band of Cahuilla Indians (ACBCI) for additional information on potential Native American cultural resources in the project vicinity and to arrange for tribal participation in the upcoming archaeological field survey. The responses from the NAHC and the Agua Caliente Band are summarized below and attached to this report in Appendix 2.

## HISTORICAL BACKGROUND RESEARCH

Historical background research for this study was conducted by CRM TECH principal investigator/ historian Bai "Tom" Tang. In addition to published literature in local and regional history, sources consulted during the research included U.S. General Land Office (GLO) land survey plat map dated 1856, United States Geological Survey (USGS) topographic maps dated 1904-1981, and aerial/satellite photographs taken in 1959-2023. The historical maps are available at the websites of the U.S. Bureau of Land Management and the USGS, and the aerial/satellite photographs are available at the website of Nationwide Environmental Title Research (NETR) Online and through the Google Earth software.

## FIELD SURVEY

On August 4, 2023, CRM TECH archaeologist Michael D. Richards carried out the field survey of the project area with the assistance of ACBCI archaeological technician Claritsa Duarte from the Tribal Historic Preservation Office. The survey was conducted at an intensive level by walking a series of parallel north-south transects at 15-meter (approximately 50-foot) intervals. In this way, the entire project area was systematically and carefully examined for any evidence of human activities dating to the prehistoric or historic period (i.e., 50 years or older). Ground visibility was excellent (90%) during the survey due to sparse vegetation cover over the majority of the project area.

## RESULTS AND FINDINGS

### RECORDS SEARCH

According to EIC records, the project area had not been surveyed for cultural resources prior to this study, and no cultural resources had been recorded on or adjacent to the property. Within the one-mile scope of the records search, EIC records identified a total of 22 previous studies completed on various tracts of land and linear features between 1981 and 2018, including two linear studies (RI-10248 and RI-10249) along Bob Hope Drive, adjacent to the western project boundary (Fig. 5).

As a result of these and other similar studies in the vicinity, one historic-period site and two isolates (i.e., localities with fewer than three artifacts) were previously recorded within the scope of the records search. The site (33-017008/CA-RIV-8855H) was recorded as the remains of a collapsed shed, while the two isolates consist of two sanitary cans (33-010953) and a unifacial metate (33-024161). All of these previously recorded cultural resources were found more than a half-mile from the project location. As such, none of them requires further consideration during this study.

### NATIVE AMERICAN PARTICIPATION

In response to CRM TECH's inquiry, the NAHC reported in a letter dated July 19, 2023, that the Sacred Lands File identified no Native American cultural resources in the project vicinity but recommended contacting local Native American groups for further information. For that purpose, the NAHC provided a list of potential contacts in the region. The NAHC's reply is attached to this report in Appendix 2 for reference by the City of Rancho Mirage in future government-to-government consultations, if necessary.

As mentioned above, the ACBCI, which is the nearest tribe to the project location, participated in the archaeological field survey for this study on August 4, 2023. In a letter dated June 22, 2023, Xitlaly Madrigal, Cultural Resources Analyst with the ACBCI Tribal Historic Preservation Office, identified the project location as a part of the tribe's Traditional Use Area. Therefore, the ACBCI requested copies of all cultural resources documentation generated for this project for review by the Tribal Historic Preservation Office (see App. 2).

### HISTORICAL BACKGROUND RESEARCH

Historical sources consulted for this study indicate that the entire project area was unsettled and undeveloped until the mid-20th century (Figs. 6-9). Between the 1850s and the 1940s, no human-made features of any kind were noted within or adjacent to the project area despite its location near the Southern Pacific Railroad (built in the 1870s) and U.S. Highway 60/70/99 (built prior to the 1920s), two major transportation arteries located approximately two miles to the north (Figs. 6-8). By the 1950s, Rio del Sol Road, the forerunner of present-day Bob Hope Drive, had been completed through the project vicinity (Fig. 9). To the north of the project area, the unpaved predecessor of Via Marta had also been laid out by that time, lined by a few scattered buildings (Fig. 9). One of them, a small building of unknown nature, was located on the northern edge of the project area, while the rest of the project area retained much of its undisturbed desert landscape (Fig. 9; NETR Online 1959).

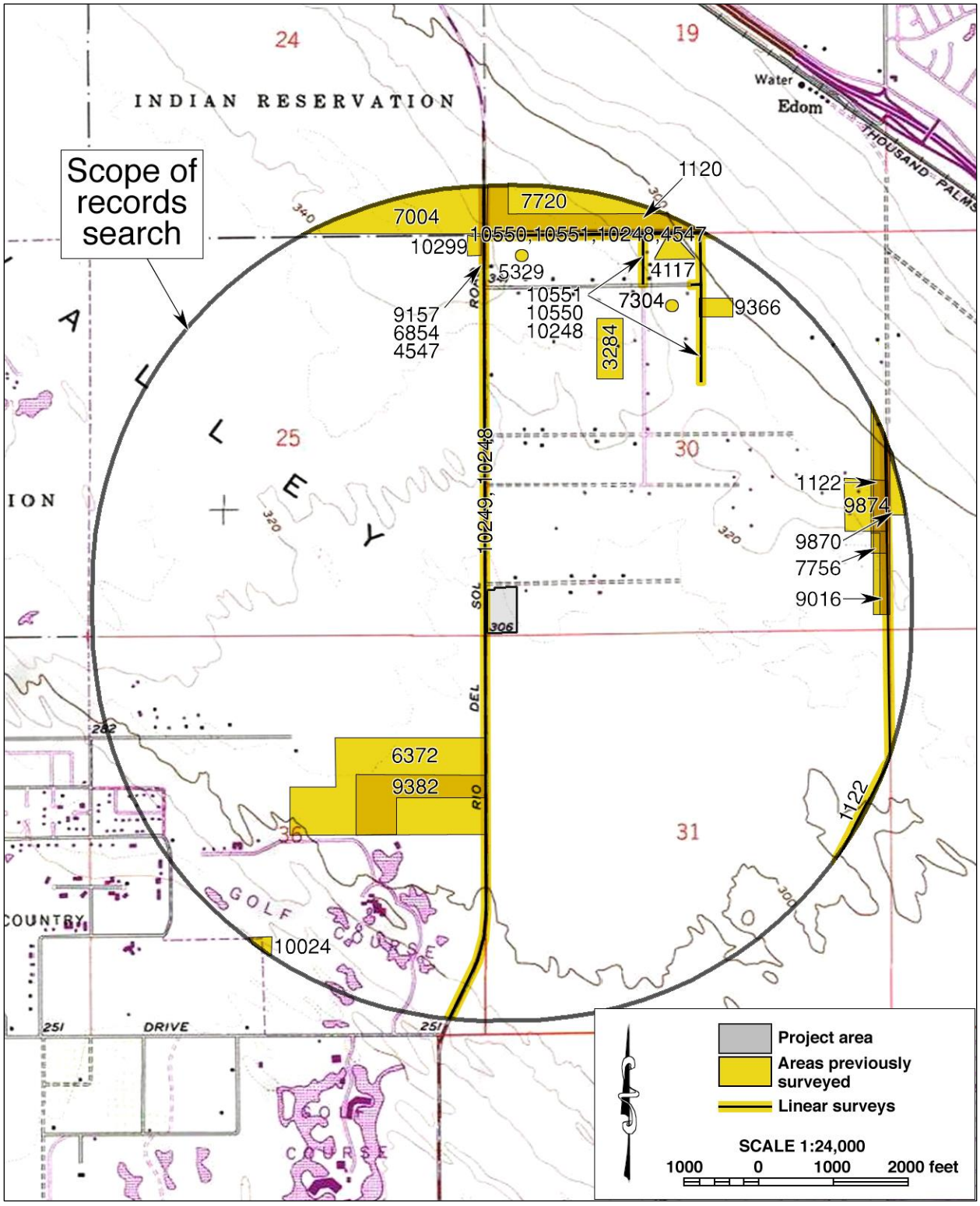


Figure 5. Previous cultural resources studies in the vicinity of the project area, listed by EIC file number. Locations of known historical/archaeological resources are not shown as a protective measure.

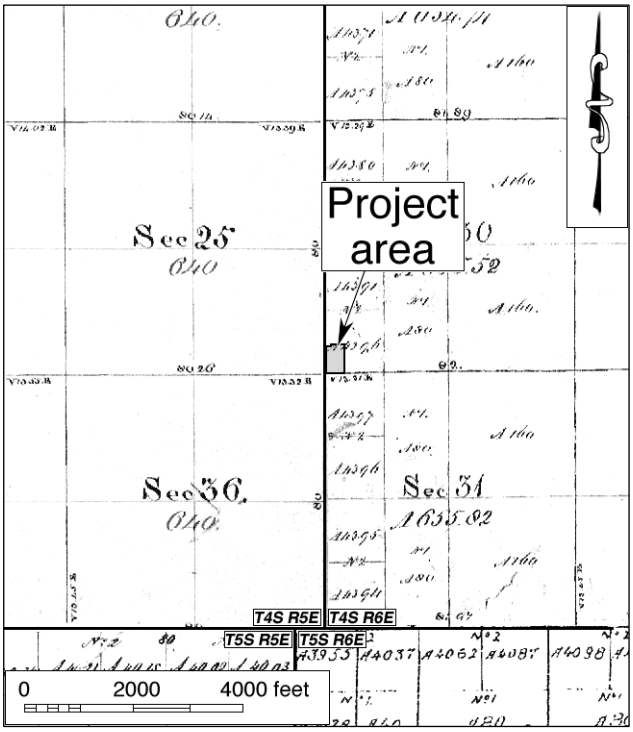


Figure 6. The project area and vicinity in 1853-1856. (Source: GLO 1856a-d)

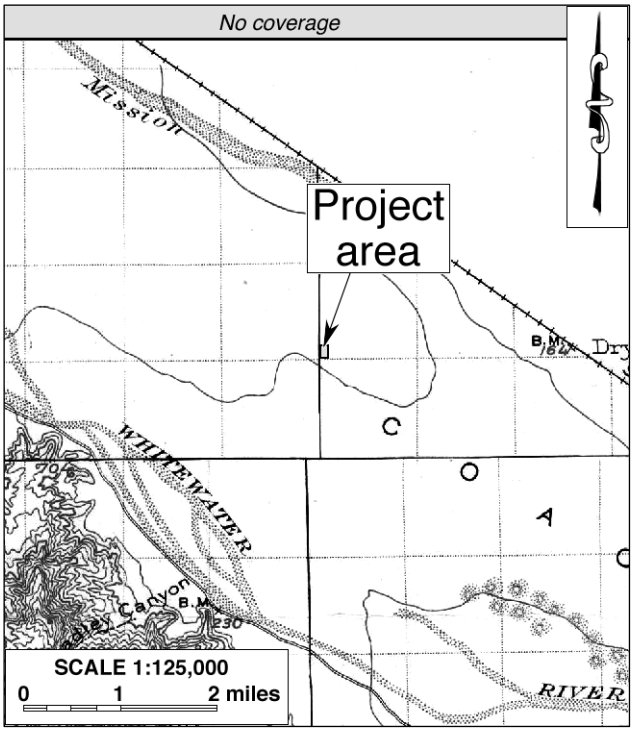


Figure 7. The project area and vicinity in 1901. (Source: USGS 1904)

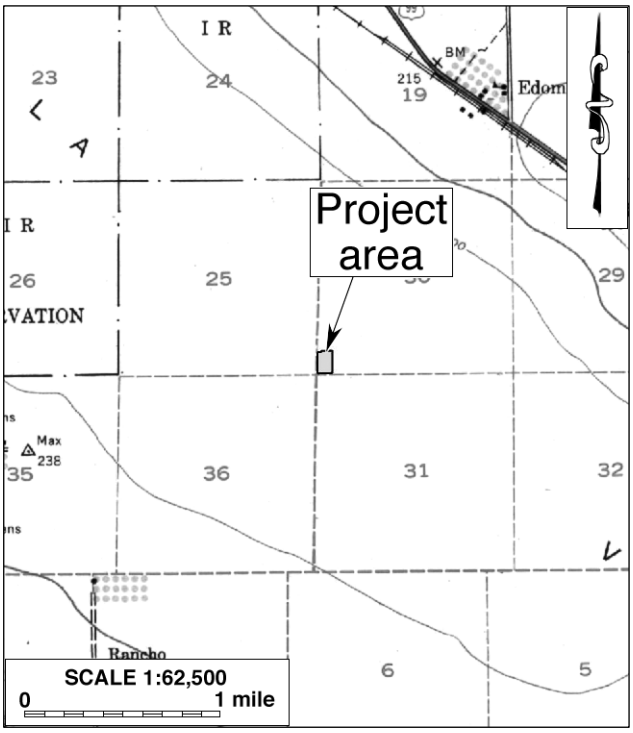


Figure 8. The project area and vicinity in 1941. (Source: USGS 1941)

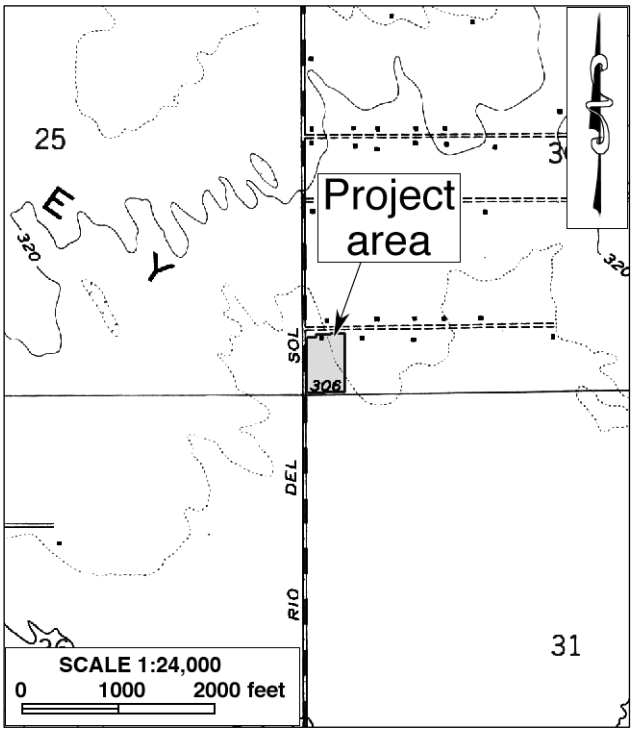


Figure 9. The project area and vicinity in 1951-1958. (Source: USGS 1958)

By 1972, the building in the project area was no longer extant (NETR Online 1972). To the south of the project location, Gerald Ford Drive was first laid out between 1979 and 1984 and subsequently became a paved road by 1996, which ushered in a period of rapid urban growth in the surrounding area (NETR Online 1977-1996). The residential neighborhoods to the east and the west of the project location and the commercial properties to the north were all developed since then (NETR Online 1996-2020; Google Earth 1996-2023). The project area was not involved in any of these developments nearby, however, and has remained undeveloped and largely unused to the present time (*ibid*.).

## FIELD SURVEY

The field survey of the project area produced completely negative results for any potential "historical resources," and no buildings, structures, objects, sites, features, or artifacts more than 50 years of age were encountered within the project boundaries. No identifiable archaeological remains were found of the building noted in the project area during the 1950s. A small amount of scattered refuse, including steel cans, broken glass bottle fragments, and construction materials, were observed across the property, but all of the items are evidently modern in origin, and none of them demonstrates any historical/archaeological interest.

## DISCUSSION

The purpose of this study is to identify any cultural resources within the project area and to assist the City of Rancho Mirage in determining whether such resources meet the official definition of "historical resources," as provided in the California Public Resources Code, in particular CEQA. According to PRC §5020.1(j), "'historical resource' includes, but is not limited to, any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California."

More specifically, CEQA guidelines state that the term "historical resources" applies to any such resources listed in or determined to be eligible for listing in the California Register of Historical Resources, included in a local register of historical resources, or determined to be historically significant by the lead agency (Title 14 CCR §15064.5(a)(1)-(3)). Regarding the proper criteria for the evaluation of historical significance, CEQA guidelines mandate that "generally a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing on the California Register of Historical Resources" (Title 14 CCR §15064.5(a)(3)). A resource may be listed in the California Register if it meets any of the following criteria:

(1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
(2) Is associated with the lives of persons important in our past.
(3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
(4) Has yielded, or may be likely to yield, information important in prehistory or history. (PRC §5024.1(c))

In summary of the research results presented above, no potential "historical resources" were previously recorded within or adjacent to the project area, and none was found during the present survey. In addition, Native American input during this study identified no properties of traditional cultural value in the project vicinity. The only human-made feature known to have been present within the project boundaries during the historic period, a small building of unknown nature noted in the 1950s, is no longer extant and has left no identifiable archaeological remains. Based on these findings, and in light of the criteria listed above, the present report concludes that *no historical resources exist within or adjacent to the project area*.

## CONCLUSIONS AND RECOMMENDATIONS

CEQA establishes that a project that may cause a substantial adverse change in the significance of a "historical resource" is a project that may have a significant effect on the environment (PRC §21084.1). "Substantial adverse change," according to PRC §5020.1(q), "means demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired." As stated above, no "historical resources," as defined by CEQA, were encountered throughout the course of this study. Therefore, CRM TECH presents the following recommendations to the City of Rancho Mirage:

- The proposed project will not cause a substantial adverse change to any known "historical resources."
- No further cultural resources investigation is necessary for the project unless development plans undergo such changes as to include areas not covered by this study.
- If buried cultural materials are discovered during any earth-moving operations associated with the project, all work in that area should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

## REFERENCES


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1856a Plat map: Township No. 4 South Range No. 5 East, SBBM; surveyed in 1855-1856.
1856b Plat map: Township No. 4 South Range No. 6 East, SBBM; surveyed in 1855-1856.

1856c Plat Map: Township No. 5 North Range No. 5 West, SBBM; surveyed in 1853-1855.
1856d Plat Map: Township No. 5 North Range No. 6 West, SBBM; surveyed in 1853-1855.

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Love, Bruce, and Bai "Tom" Tang

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1957 *Coachella Valley Desert Trails and the Romance and Sex Life of the Date*. Shields Date Gardens, Indio.

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1904 Map: Indio, Calif. (30', 1:125,000); surveyed in 1901.
1941 Map: Edom, Calif. (15', 1:62,500); aerial photographs taken in 1941.
1958 Map: Cathedral City, Calif. (7.5', 1:24,000); aerial photographs taken in 1956.
1979 Map: Santa Ana, Calif. (120'x60', 1:250,000); 1959 edition revised.
1981 Map: Cathedral City, Calif. (7.5', 1:24,000); 1958 edition photorevised in 1978.

## APPENDIX 1:
## PERSONNEL QUALIFICATIONS

### PRINCIPAL INVESTIGATOR, HISTORY/ARCHITECTURAL HISTORY
### Bai "Tom" Tang, M.A.

**Education**

| | |
|---|---|
| 1988-1993 | Graduate Program in Public History/Historic Preservation, University of California, Riverside. |
| 1987 | M.A., American History, Yale University, New Haven, Connecticut. |
| 1982 | B.A., History, Northwestern University, Xi'an, China. |
| 2000 | "Introduction to Section 106 Review," presented by the Advisory Council on Historic Preservation and the University of Nevada, Reno. |
| 1994 | "Assessing the Significance of Historic Archaeological Sites," presented by the Historic Preservation Program, University of Nevada, Reno. |

**Professional Experience**

| | |
|---|---|
| 2002- | Principal Investigator, CRM TECH, Riverside/Colton, California. |
| 1993-2002 | Project Historian/Architectural Historian, CRM TECH, Riverside, California. |
| 1993-1997 | Project Historian, Greenwood and Associates, Pacific Palisades, California. |
| 1991-1993 | Project Historian, Archaeological Research Unit, University of California, Riverside. |
| 1990 | Intern Researcher, California State Office of Historic Preservation, Sacramento. |
| 1990-1992 | Teaching Assistant, History of Modern World, University of California, Riverside. |
| 1988-1993 | Research Assistant, American Social History, University of California, Riverside. |
| 1985-1988 | Research Assistant, Modern Chinese History, Yale University. |
| 1985-1986 | Teaching Assistant, Modern Chinese History, Yale University. |
| 1982-1985 | Lecturer, History, Xi'an Foreign Languages Institute, Xi'an, China. |

**Cultural Resources Management Reports**

Preliminary Analyses and Recommendations Regarding California's Cultural Resources Inventory System (with Special Reference to Condition 14 of NPS 1990 Program Review Report). California State Office of Historic Preservation working paper, Sacramento, September 1990.

Numerous cultural resources management reports with the Archaeological Research Unit, Greenwood and Associates, and CRM TECH, since October 1991.

**PRINCIPAL INVESTIGATOR, ARCHAEOLOGY**
**Michael Hogan, Ph.D., RPA (Registered Professional Archaeologist)**

## Education

| | |
|---|---|
| 1991 | Ph.D., Anthropology, University of California, Riverside. |
| 1981 | B.S., Anthropology, University of California, Riverside; with honors. |
| 1980-1981 | Education Abroad Program, Lima, Peru. |
| 2002 | "Section 106—National Historic Preservation Act: Federal Law at the Local Level," UCLA Extension Course #888. |
| 2002 | "Recognizing Historic Artifacts," workshop presented by Richard Norwood, Historical Archaeologist. |
| 2002 | "Wending Your Way through the Regulatory Maze," symposium presented by the Association of Environmental Professionals. |
| 1992 | "Southern California Ceramics Workshop," presented by Jerry Schaefer. |
| 1992 | "Historic Artifact Workshop," presented by Anne Duffield-Stoll. |

## Professional Experience

| | |
|---|---|
| 2002- | Principal Investigator, CRM TECH, Riverside/Colton, California. |
| 1999-2002 | Project Archaeologist/Field Director, CRM TECH, Riverside, California. |
| 1996-1998 | Project Director and Ethnographer, Statistical Research, Inc., Redlands, California. |
| 1992-1998 | Assistant Research Anthropologist, University of California, Riverside. |
| 1992-1995 | Project Director, Archaeological Research Unit, U.C. Riverside. |
| 1993-1994 | Adjunct Professor, Riverside Community College, Mt. San Jacinto College, U.C. Riverside, Chapman University, and San Bernardino Valley College. |
| 1991-1992 | Crew Chief, Archaeological Research Unit, U.C. Riverside. |
| 1984-1998 | Project Director, Field Director, Crew Chief, and Archaeological Technician for various southern California cultural resources management firms. |

## Research Interests

Cultural Resource Management, Southern Californian Archaeology, Settlement and Exchange Patterns, Specialization and Stratification, Culture Change, Native American Culture, Cultural Diversity.

## Cultural Resources Management Reports

Principal investigator for, author or co-author of, and contributor to numerous cultural resources management study reports since 1986.

## Memberships

Society for American Archaeology; Society for California Archaeology; Pacific Coast Archaeological Society; Coachella Valley Archaeological Society.

## PROJECT ARCHAEOLOGIST/REPORT WRITER
## Breidy Q. Vilcahuaman, M.A., RPA (Registered Professional Archaeologist)

### Education

| | |
|---|---|
| 2018 | M.A., Anthropology, Georgia State University, Atlanta, Georgia. |
| 2005 | B.A., Anthropology, University Nacional del Centro del Peru. |

### Professional Experience

| | |
|---|---|
| 2022- | Project Archaeologist, CRM TECH, Colton, California. |
| 2021-2022 | Archaeological Technician, Applied Earthwork, Inc., Hemet, California. |
| 2021 | Archaeologist/Crew Chief, Historical Research Associates, Inc., Portland, Oregon. |
| 2020-2021 | Archaeological Technician, Cogstone Resource Management, Orange, California. |
| 2020 | Archaeological Technician, McKenna et al., Whittier, California. |

### Memberships

Register of Professional Archaeologists; Society for California Archaeology.

## PROJECT ARCHAEOLOGIST/NATIVE AMERICAN LIAISON
## Nina Gallardo, B.A.

### Education

| | |
|---|---|
| 2004 | B.A., Anthropology/Law and Society, University of California, Riverside. |

### Professional Experience

| | |
|---|---|
| 2004- | Project Archaeologist, CRM TECH, Riverside/Colton, California. |

### Cultural Resources Management Reports

Co-author of and contributor to numerous cultural resources management reports since 2004.

**PROJECT ARCHAEOLOGIST**
**Michael D. Richards, M.A., Registered Professional Archaeologist**

## Education

| | |
|---|---|
| 2002 | M.A., Anthropology, California State University, Northridge (CSUN). |
| 1986 | B.A., Anthropology: University of California, Los Angeles (UCLA). |
| 1982 | A.A., Los Angeles Valley College, Los Angeles, California. |

| | |
|---|---|
| 2015 | Section 106 workshop. |
| 2000 | CSUN "Olmec" field excavation and lab analysis; La Venta, Mexico. |
| 1999 | Rock art recording, UCLA Extension; Little Lake, California. |
| 1998 | Rock art symposium, UCLA Extension. |

## Professional Experience

| | |
|---|---|
| 2018- | Project Archaeologist/Paleontologist, CRM TECH, Colton, Calif. |
| 2016-2018 | Co-Principal Investigator/Archaeologist, LSA Associates Inc. |
| 2012-2016 | Co-Principal Investigator/Archaeologist, ICF International (Jones & Stokes). |
| 2010-2012 | Co-Principal Investigator/Archaeologist, various CRM firms (on call). |
| 2007-2010 | Principal Investigator/Field Director/Crew Chief, ASM Affiliates, Inc. |
| 2004-2007 | Project Manager/Co-Principal Investigator, ArchaeoPaleo Resource Management, Inc. |
| 2003-2004 | Staff Archaeologist/Crew Chief, SRI, Inc. |
| 2000-2003 | Project Archaeologist/Field Director, Ancient Enterprises (Clewlow, Jr.). |
| 1999-2000 | Staff Archaeologist/Lab Crew Chief, CSC/Edwards Air Force Base. |

## Research Interests

Pottery and rock art analysis; prehistory the American southwest; Mesoamerica; Japan.

## Cultural Resources Management Reports

Author and co-author of, contributor to, and principal investigator for numerous cultural resources management study reports since 1999.

## Memberships

Society for American Archaeology; Society for California Archaeology; Archaeological Institute of America; Conejo Open Space Trails Advisory Committee; Conejo Valley Historical Society.

## APPENDIX 2

# NATIVE AMERICAN RESPONSES

AGUA CALIENTE BAND OF CAHUILLA INDIANS

TRIBAL HISTORIC PRESERVATION

*03-008-2023-003*

June 22, 2023

[VIA EMAIL TO:ngallardo@crmtech.us]
CRM TECH
Ms. Nina Gallardo
1016 E. Cooley Drive, Suite A/B
Colton, CA 92324

**Re: AHC Skilled Nursing Facility**

Dear Ms. Nina Gallardo,

The Agua Caliente Band of Cahuilla Indians (ACBCI) appreciates your efforts to include the Tribal Historic Preservation Office (THPO) in the AHC Skilled Nursing Facility project. The project area is not located within the boundaries of the ACBCI Reservation. However, it is within the Tribe's Traditional Use Area. For this reason, the ACBCI THPO requests the following:

*A cultural resources inventory of the project area by a qualified archaeologist prior to any development activities in this area.

*Copies of any cultural resource documentation (report and site records) generated in connection with this project.

*A copy of the records search with associated survey reports and site records from the information center.

*The presence of an approved Agua Caliente Native American Cultural Resource Monitor(s) during any ground disturbing activities (including archaeological testing and surveys). Should buried cultural deposits be encountered, the Monitor may request that destructive construction halt and the Monitor shall notify a Qualified Archaeologist (Secretary of the Interior's Standards and Guidelines) to investigate and, if necessary, prepare a mitigation plan for submission to the State Historic Preservation Officer and the Agua Caliente Tribal Historic Preservation Office.

Again, the Agua Caliente appreciates your interest in our cultural heritage. If you have questions or require additional information, please call me at (760) 423-3485. You may also email me at ACBCI-THPO@aguacaliente.net.

Cordially,

5401 DINAH SHORE DRIVE, PALM SPRINGS, CA 92264
T 760/699/6800 F 760/699/6924 WWW.AGUACALIENTE-NSN.GOV

AGUA CALIENTE BAND OF CAHUILLA INDIANS

TRIBAL HISTORIC PRESERVATION

Xitlaly Madrigal
Cultural Resources Analyst
Tribal Historic Preservation Office
AGUA CALIENTE BAND
OF CAHUILLA INDIANS

5401 DINAH SHORE DRIVE, PALM SPRINGS, CA 92264
T 760/699/6800 F 760/699/6924 WWW.AGUACALIENTE-NSN.GOV

# NATIVE AMERICAN HERITAGE COMMISSION



**NAHC HEADQUARTERS**
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

July 19, 2023

Nina Gallardo
CRM TECH

Via Email to: ngallardo@crmtech.us

**Re: Proposed AHC Skilled Nursing Facility Project, Riverside County**

Dear Ms. Gallardo:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
*Cultural Resources Analyst*

Attachment

**Native American Heritage Commission**
**Native American Contact List**
**San Bernardino County**
**7/19/2023**

| Tribe Name | Fed (F) Non-Fed (N) | Contact Person | Contact Address | Phone # | Fax # | Email Address | Cultural Affiliation | Counties |
|---|---|---|---|---|---|---|---|---|
| Agua Caliente Band of Cahuilla Indians | F | Patricia Garcia-Plotkin, Director | 5401 Dinah Shore Drive<br>Palm Springs, CA, 92264 | (760) 699-6907 | (760) 699-6924 | ACBCI-THPO@aguacaliente.net | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Agua Caliente Band of Cahuilla Indians | F | Reid Milanovich, Chairperson | 5401 Dinah Shore Drive<br>Palm Springs, CA, 92264 | (760) 699-6800 | (760) 699-6919 | laviles@aguacaliente.net | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Augustine Band of Cahuilla Mission Indians | F | Amanda Vance, Chairperson | 84-001 Avenue 54<br>Coachella, CA, 92236 | (760) 398-4722 | (760) 369-7161 | hhaines@augustinetribe.com | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Cabazon Band of Mission Indians | F | Doug Welmas, Chairperson | 84-245 Indio Springs Parkway<br>Indio, CA, 92203 | (760) 342-2593 | (760) 347-7880 | jstapp@cabazonindians-nsn.gov | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Cahuilla Band of Indians | F | Anthony Madrigal, Tribal Historic Preservation Officer | 52701 CA Highway 371<br>Anza, CA, 92539 | (951) 763-5549 | | anthonymad2002@gmail.com | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Cahuilla Band of Indians | F | Daniel Salgado, Chairperson | 52701 CA Highway 371<br>Anza, CA, 92539 | (951) 972-2568 | (951) 763-2808 | chairman@cahuilla-nsn.gov | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Cahuilla Band of Indians | F | BobbyRay Esaprza, Cultural Director | 52701 CA Highway 371<br>Anza, CA, 92539 | (951) 763-5549 | | besparza@cahuilla-nsn.gov | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Los Coyotes Band of Cahuilla and Cupeño Indians | F | Ray Chapparosa, Chairperson | P.O. Box 189<br>Warner Springs, CA, 92086-0189 | (760) 782-0711 | (760) 782-0712 | | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Morongo Band of Mission Indians | F | Ann Brierty, THPO | 12700 Pumarra Road<br>Banning, CA, 92220 | (951) 755-5259 | (951) 572-6004 | abrierty@morongo-nsn.gov | Cahuilla Serrano | Imperial,Los Angeles,Riverside,San Bernardino,San Diego |
| Morongo Band of Mission Indians | F | Robert Martin, Chairperson | 12700 Pumarra Road<br>Banning, CA, 92220 | (951) 755-5110 | (951) 755-5177 | abrierty@morongo-nsn.gov | Cahuilla Serrano | Imperial,Los Angeles,Riverside,San Bernardino,San Diego |
| Quechan Tribe of the Fort Yuma Reservation | F | Jordan Joaquin, President, Quechan Tribal Council | P.O.Box 1899<br>Yuma, AZ, 85366 | (760) 919-3600 | | executivesecretary@quechantribe.com | Quechan | Imperial,Kern,Los Angeles,Riverside,San Bernardino,San Diego |
| Quechan Tribe of the Fort Yuma Reservation | F | Jill McCormick, Historic Preservation Officer | P.O. Box 1899<br>Yuma, AZ, 85366 | (928) 261-0254 | | historicpreservation@quechantribe.com | Quechan | Imperial,Kern,Los Angeles,Riverside,San Bernardino,San Diego |
| Quechan Tribe of the Fort Yuma Reservation | F | Manfred Scott, Acting Chairman - Kw'ts'an Cultural Committee | P.O. Box 1899<br>Yuma, AZ, 85366 | (928) 210-8739 | | culturalcommittee@quechantribe.com | Quechan | Imperial,Kern,Los Angeles,Riverside,San Bernardino,San Diego |
| Ramona Band of Cahuilla | F | John Gomez, Environmental Coordinator | P. O. Box 391670<br>Anza, CA, 92539 | (951) 763-4105 | (951) 763-4325 | jgomez@ramona-nsn.gov | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Ramona Band of Cahuilla | F | Joseph Hamilton, Chairperson | P.O. Box 391670<br>Anza, CA, 92539 | (951) 763-4105 | (951) 763-4325 | admin@ramona-nsn.gov | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |
| Santa Rosa Band of Cahuilla Indians | F | Lovina Redner, Tribal Chair | P.O. Box 391820<br>Anza, CA, 92539 | (951) 659-2700 | (951) 659-2228 | lsaul@santarosa-nsn.gov | Cahuilla | Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego |
| Soboba Band of Luiseno Indians | F | Jessica Valdez, Cultural Resource Specialist | P.O. Box 487<br>San Jacinto, CA, 92581 | (951) 663-6261 | (951) 654-4198 | jvaldez@soboba-nsn.gov | Cahuilla Luiseno | Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego |
| Soboba Band of Luiseno Indians | F | Joseph Ontiveros, Tribal Historic Preservation Officer | P.O. Box 487<br>San Jacinto, CA, 92581 | (951) 663-5279 | (951) 654-4198 | jontiveros@soboba-nsn.gov | Cahuilla Luiseno | Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego |
| Torres-Martinez Desert Cahuilla Indians | F | Cultural Committee, | P.O. Box 1160<br>Thermal, CA, 92274 | (760) 397-0300 | (760) 397-8146 | Cultural-Committee@torresmartinez-nsn.gov | Cahuilla | Imperial,Riverside,San Bernardino,San Diego |

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed AHC Skilled Nursing Facility Project, Riverside County.

Record: PROJ-2023-003570
Report Type: List of Tribes
Counties: Riverside
NAHC Group: All

# AHC-Skilled Nursing Facility

## NOISE AND VIBRATION ANALYSIS

### CITY OF RANCHO MIRAGE

PREPARED BY:

Bill Lawson, PE, INCE
blawson@urbanxroads.com
(949) 584-3148

AUGUST 3, 2023

# TABLE OF CONTENTS

## APPENDICES



## LIST OF EXHIBITS

# LIST OF TABLES

# LIST OF ABBREVIATED TERMS

| | |
|---|---|
| (1) | Reference |
| ANSI | American National Standards Institute |
| Calveno | California Vehicle Noise |
| CEQA | California Environmental Quality Act |
| CNEL | Community Noise Equivalent Level |
| dBA | A-weighted decibels |
| EPA | Environmental Protection Agency |
| FHWA | Federal Highway Administration |
| FTA | Federal Transit Administration |
| INCE | Institute of Noise Control Engineering |
| $L_{eq}$ | Equivalent continuous (average) sound level |
| $L_{max}$ | Maximum level measured over the time interval |
| mph | Miles per hour |
| PPV | Peak Particle Velocity |
| Project | AHC-Skilled Nursing Facility |
| REMEL | Reference Energy Mean Emission Level |
| RMS | Root-mean-square |
| VdB | Vibration Decibels |

# EXECUTIVE SUMMARY

Urban Crossroads, Inc. has prepared this noise study to determine the noise exposure and the necessary noise mitigation measures for the proposed AHC-Skilled Nursing Facility development ("Project"). The Project site is located north of Gerald Ford Drive and east of Bob Hope Drive in the City of Rancho Mirage. The Project proposes to develop a one-story 46-bed skilled nursing facility. This noise study has been prepared to satisfy applicable City of Rancho Mirage noise standards and significance criteria based on Appendix G of the California Environmental Quality Act (CEQA) Guidelines (1).

The results of this Noise and Vibration Analysis are summarized below based on the significance criteria in Section 4 of this report consistent with Appendix G of the California Environmental Quality Act (CEQA) Guidelines. (1) Table ES-1 shows the findings of significance for each potential noise and/or vibration impact under CEQA before and after any required mitigation measures.

**TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS**

| Analysis | Report Section | Significance Findings | |
|---|---|---|---|
| | | Unmitigated | Mitigated |
| Off-Site Traffic Noise | 7 | *Less Than Significant* | - |
| Operational Noise | 9 | *Less Than Significant* | - |
| Construction Noise | 10 | *Less Than Significant* | - |
| Construction Vibration | | *Less Than Significant* | - |

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# 1 INTRODUCTION

This noise analysis has been completed to determine the noise impacts associated with the development of the proposed AHC-Skilled Nursing Facility ("Project"). This noise study briefly describes the proposed Project, provides information regarding noise fundamentals, sets out the regulatory setting, presents the study methods and procedures, and evaluates the future exterior noise environment. In addition, this study includes an analysis of the potential Project-related long-term stationary-source operational noise and short-term construction noise, and vibration impacts.

## 1.1 SITE LOCATION

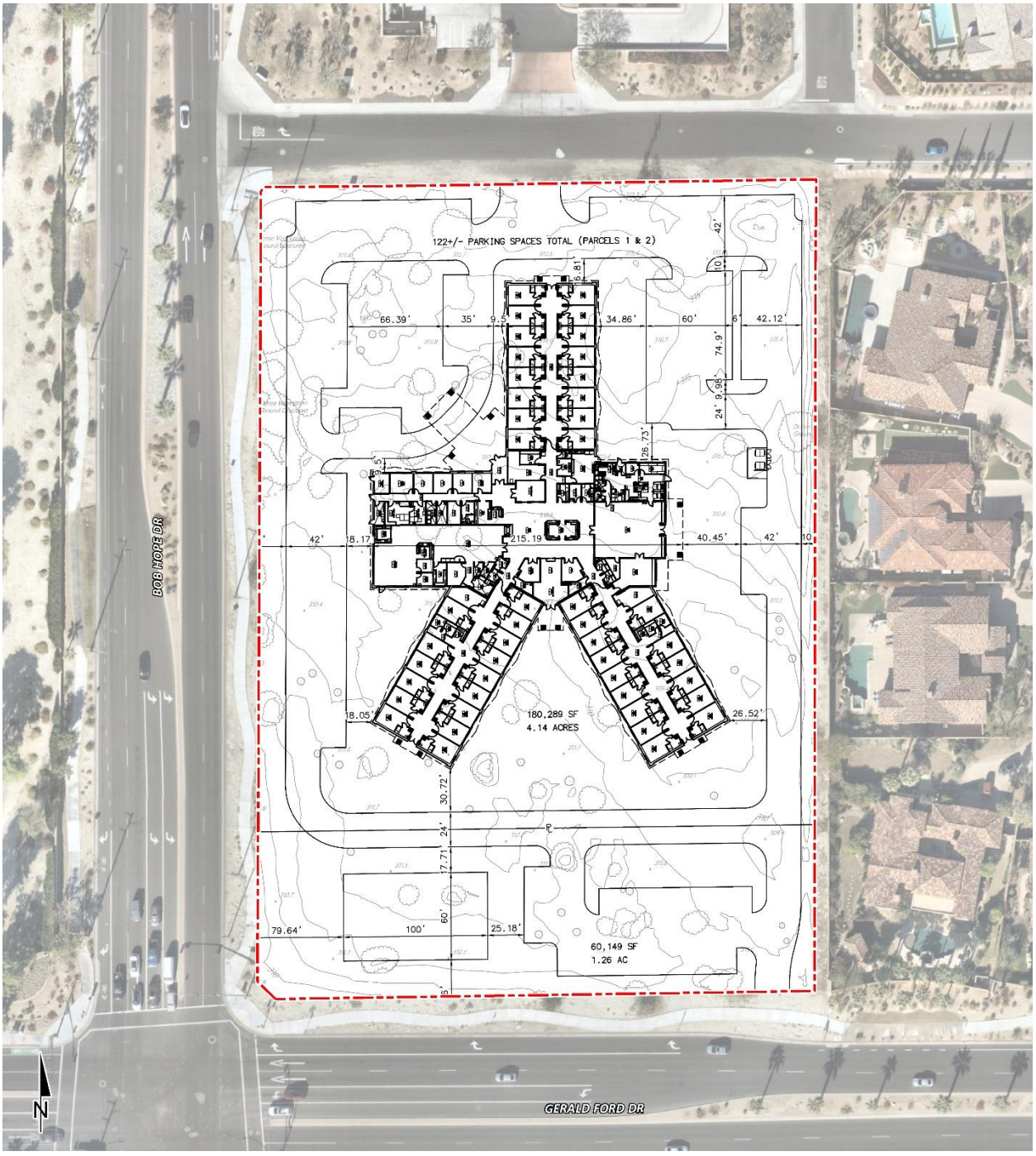
The proposed Project is located north of Gerald Ford Drive and east of Bob Hope Drive in the City of Rancho Mirage, as shown on Exhibit 1-A.

## 1.2 PROJECT DESCRIPTION

A preliminary site plan for the proposed Project is shown on Exhibit 1-B. The Project is proposed to construct a new, one story, 46 bed, 39,158 SF skilled nursing facility. This facility will be state of the art, inclusive of large therapy spaces, courtyards, upscale dining, and flat screen HDTVs in private patient rooms among other high-end amenities. Facility will provide short term, inpatient, post-acute, medical care as needed to help patients recover and recuperate more effectively after a hospital visit.

## EXHIBIT 1-A: LOCATION MAP

## EXHIBIT 1-B: SITE PLAN



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# 2 FUNDAMENTALS

Noise is simply defined as "unwanted sound." Sound becomes unwanted when it interferes with normal activities, when it causes actual physical harm or when it has adverse effects on health. Noise is measured on a logarithmic scale of sound pressure level known as a decibel (dB). A-weighted decibels (dBA) approximate the subjective response of the human ear to broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear. Exhibit 2-A presents a summary of the typical noise levels and their subjective loudness and effects that are described in more detail below.

**EXHIBIT 2-A: TYPICAL NOISE LEVELS**

| COMMON OUTDOOR ACTIVITIES | COMMON INDOOR ACTIVITIES | A - WEIGHTED SOUND LEVEL dBA | SUBJECTIVE LOUDNESS | EFFECTS OF NOISE |
|---|---|---|---|---|
| THRESHOLD OF PAIN | | 140 | INTOLERABLE OR DEAFENING | HEARING LOSS |
| NEAR JET ENGINE | | 130 | | |
| | | 120 | | |
| JET FLY-OVER AT 300m (1000 ft) | ROCK BAND | 110 | | |
| LOUD AUTO HORN | | 100 | VERY NOISY | |
| GAS LAWN MOWER AT 1m (3 ft) | | 90 | | |
| DIESEL TRUCK AT 15m (50 ft), at 80 km/hr (50 mph) | FOOD BLENDER AT 1m (3 ft) | 80 | | SPEECH INTERFERENCE |
| NOISY URBAN AREA, DAYTIME | VACUUM CLEANER AT 3m (10 ft) | 70 | LOUD | |
| HEAVY TRAFFIC AT 90m (300 ft) | NORMAL SPEECH AT 1m (3 ft) | 60 | | |
| QUIET URBAN DAYTIME | LARGE BUSINESS OFFICE | 50 | MODERATE | SLEEP DISTURBANCE |
| QUIET URBAN NIGHTTIME | THEATER, LARGE CONFERENCE ROOM (BACKGROUND) | 40 | | |
| QUIET SUBURBAN NIGHTTIME | LIBRARY | 30 | FAINT | NO EFFECT |
| QUIET RURAL NIGHTTIME | BEDROOM AT NIGHT, CONCERT HALL (BACKGROUND) | 20 | | |
| | BROADCAST/RECORDING STUDIO | 10 | VERY FAINT | |
| LOWEST THRESHOLD OF HUMAN HEARING | LOWEST THRESHOLD OF HUMAN HEARING | 0 | | |

*Source: Environmental Protection Agency Office of Noise Abatement and Control, Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety (EPA/ONAC 550/9-74-004) March 1974.*

## 2.1 RANGE OF NOISE

Since the range of intensities that the human ear can detect is so large, the scale frequently used to measure intensity is a scale based on multiples of 10, the logarithmic scale. The scale for measuring intensity is the decibel scale. Each interval of 10 decibels indicates a sound energy ten times greater than before, which is perceived by the human ear as being roughly twice as loud. (2) The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at three feet is roughly at 60 dBA, while loud jet engine noises equate to 110 dBA

at approximately 1,000 feet, which can cause serious discomfort. (3) Another important aspect of noise is the duration of the sound and the way it is described and distributed in time.

## 2.2 NOISE DESCRIPTORS

Environmental noise descriptors are generally based on averages, rather than instantaneous, noise levels. The most used metric is the equivalent level ($L_{eq}$). Equivalent sound levels are not measured directly but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level ($L_{eq}$) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period and is commonly used to describe the "average" noise levels within the environment.

Peak hour or average noise levels, while useful, do not completely describe a given noise environment. Noise levels lower than peak hour may be disturbing if they occur during times when quiet is most desirable, namely evening and nighttime (sleeping) hours. To account for this, the Community Noise Equivalent Level (CNEL), representing a composite 24-hour noise level is utilized. The CNEL is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time-of-day corrections require the addition of 5 decibels to dBA $L_{eq}$ sound levels in the evening from 7:00 p.m. to 10:00 p.m., and the addition of 10 decibels to dBA $L_{eq}$ sound levels at night between 10:00 p.m. and 7:00 a.m. These additions are made to account for the noise sensitive time periods during the evening and night hours when noise can become more intrusive. CNEL does not represent the actual sound level heard at any time, but rather represents the total sound exposure. The City of Rancho Mirage relies on the 24-hour CNEL level to assess land use compatibility with transportation related noise sources.

## 2.3 SOUND PROPAGATION

When sound propagates over a distance, it changes in level and frequency content. The way noise reduces with distance depends on the following factors.

### 2.3.1 GEOMETRIC SPREADING

Sound from a localized source (i.e., a stationary point source) propagates uniformly outward in a spherical pattern. The sound level attenuates (or decreases) at a rate of 6 dB for each doubling of distance from a point source. Highways consist of several localized noise sources on a defined path and hence can be treated as a line source, which approximates the effect of several point sources. Noise from a line source propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of 3 dB for each doubling of distance from a line source. (2)

### 2.3.2 GROUND ABSORPTION

The propagation path of noise from a highway to a receiver is usually very close to the ground. Noise attenuation from ground absorption and reflective wave canceling adds to the attenuation associated with geometric spreading. Traditionally, the excess attenuation has also been expressed in terms of attenuation per doubling of distance. This approximation is usually

sufficiently accurate for distances of less than 200 ft. For acoustically hard sites (i.e., sites with a reflective surface between the source and the receiver, such as a parking lot or body of water), no excess ground attenuation is assumed. For acoustically absorptive or soft sites (i.e., those sites with an absorptive ground surface between the source and the receiver such as soft dirt, grass, or scattered bushes and trees), an excess ground attenuation value of 1.5 dB per doubling of distance is normally assumed. When added to the cylindrical spreading, the excess ground attenuation results in an overall drop-off rate of 4.5 dB per doubling of distance from a line source. (4)

### 2.3.3 ATMOSPHERIC EFFECTS

Receivers located downwind from a source can be exposed to increased noise levels relative to calm conditions, whereas locations upwind can have lowered noise levels. Sound levels can be increased at large distances (e.g., more than 500 feet) due to atmospheric temperature inversion (i.e., increasing temperature with elevation). Other factors such as air temperature, humidity, and turbulence can also have significant effects. (2)

### 2.3.4 SHIELDING

A large object or barrier in the path between a noise source and a receiver can substantially attenuate noise levels at the receiver. The amount of attenuation provided by shielding depends on the size of the object and the frequency content of the noise source. Shielding by trees and other such vegetation typically only has an "out of sight, out of mind" effect. That is, the perception of noise impact tends to decrease when vegetation blocks the line-of-sight to nearby residents. However, for vegetation to provide a substantial, or even noticeable, noise reduction, the vegetation area must be at least 15 feet in height, 100 feet wide and dense enough to completely obstruct the line-of-sight between the source and the receiver. This size of vegetation may provide up to 5 dBA of noise reduction. The Federal Highway Administration (FHWA) does not consider the planting of vegetation to be a noise abatement measure. (5)

## 2.4 NOISE CONTROL

Noise control is the process of obtaining an acceptable noise environment for an observation point or receiver by controlling the noise source, transmission path, receiver, or all three. This concept is known as the source-path-receiver concept. In general, noise control measures can be applied to these three elements.

## 2.5 NOISE BARRIER ATTENUATION

Effective noise barriers can reduce noise levels by 10 to 15 dBA, cutting the loudness of traffic noise in half. A noise barrier is most effective when placed close to the noise source or receiver. Noise barriers, however, do have limitations. For a noise barrier to work, it must block the line-of-sight path of sound from the noise source.

## 2.6 LAND USE COMPATIBILITY WITH NOISE

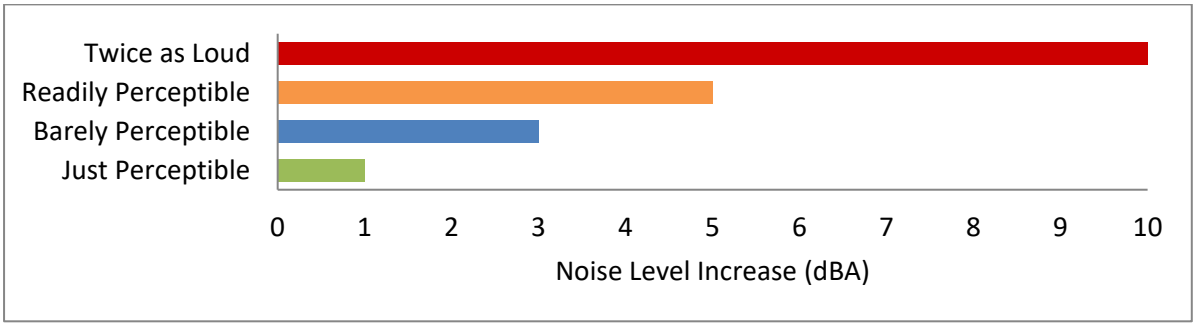
Some land uses are more tolerant of noise than others. For example, schools, hospitals, churches, and residences are more sensitive to noise intrusion than are commercial or industrial developments and related activities. As ambient noise levels affect the perceived amenity or livability of a development, so too can the mismanagement of noise impacts impair the economic health and growth potential of a community by reducing the area's desirability as a place to live, shop and work. For this reason, land use compatibility with the noise environment is an important consideration in the planning and design process. The FHWA encourages State and Local government to regulate land development in such a way that noise-sensitive land uses are either prohibited from being located adjacent to a highway, or that the developments are planned, designed, and constructed in such a way that noise impacts are minimized. (6)

## 2.7 COMMUNITY RESPONSE TO NOISE

Approximately sixteen percent of the population has a very low tolerance for noise and will object to any noise not of their making. Consequently, even in the quietest environment, some complaints may occur. Twenty to thirty percent of the population will not complain even in very severe noise environments. (7 pp. 8-6) Thus, a variety of reactions can be expected from people exposed to any given noise environment.

Surveys have shown that community response to noise varies from no reaction to vigorous action for newly introduced noises averaging from 10 dB below existing to 25 dB above existing. (8) According to research originally published in the Noise Effects Handbook (7), the percentage of high annoyance ranges from approximately 0 percent at 45 dB or less, 10 percent are highly annoyed around 60 dB, and increases rapidly to approximately 70 percent being highly annoyed at approximately 85 dB or greater. Despite this variability in behavior on an individual level, the population can be expected to exhibit the following responses to changes in noise levels as shown on Exhibit 2-B. A change of 3 dBA is considered barely perceptible, and changes of 5 dBA are considered readily perceptible. (4)

**EXHIBIT 2-B: NOISE LEVEL INCREASE PERCEPTION**



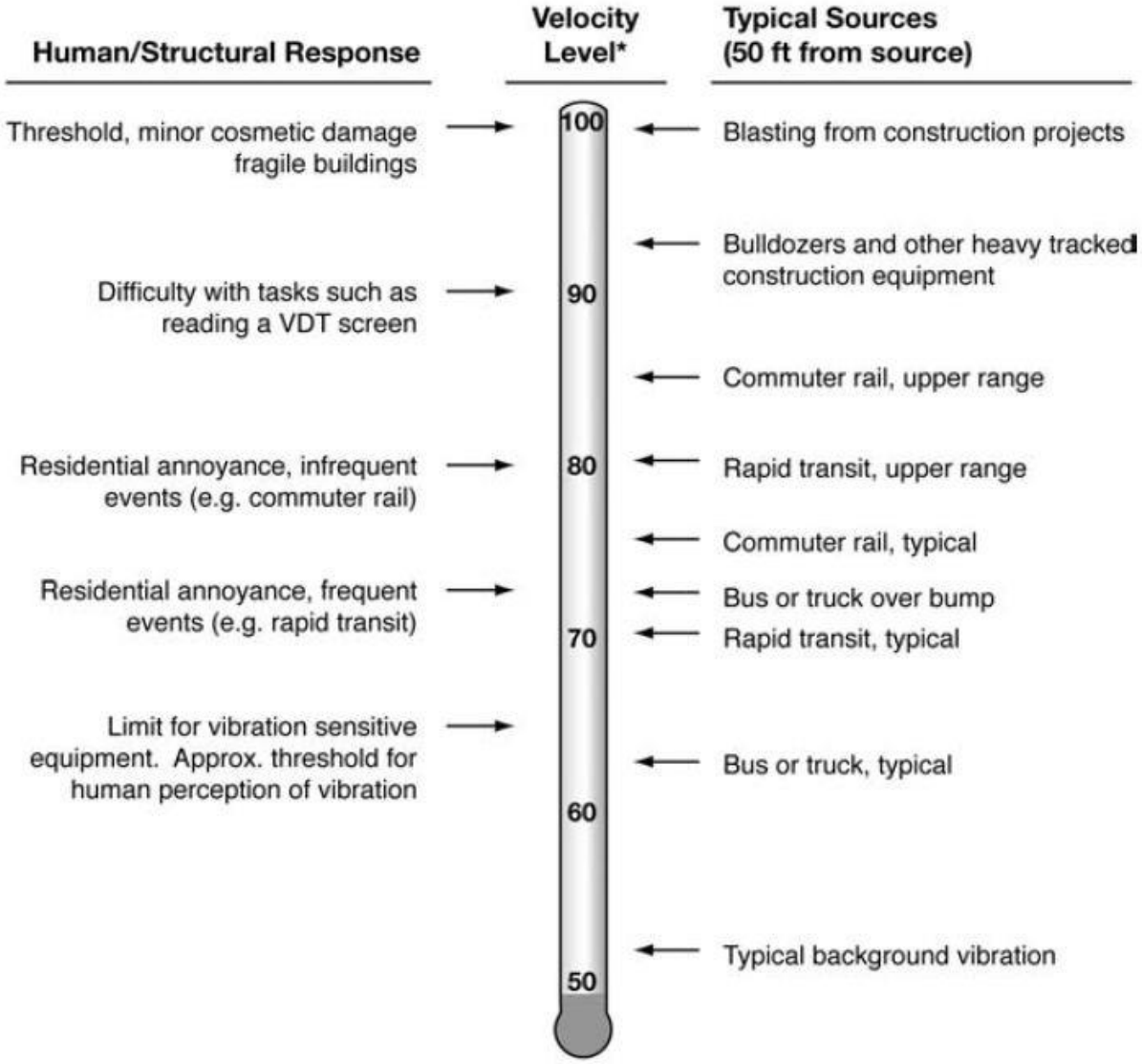
## 2.8 VIBRATION

Per the Federal Transit Administration (FTA) *Transit Noise Impact and Vibration Impact Assessment Manual* (8) , vibration is the periodic oscillation of a medium or object. The rumbling sound caused by the vibration of room surfaces is called structure-borne noise. Sources of ground-borne vibrations include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) or human-made causes (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous, such as factory machinery, or transient, such as explosions. As is the case with airborne sound, ground-borne vibrations may be described by amplitude and frequency.

There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal. The PPV is most frequently used to describe vibration impacts to buildings but is not always suitable for evaluating human response (annoyance) because it takes some time for the human body to respond to vibration signals. Instead, the human body responds to average vibration amplitude often described as the root mean square (RMS). The RMS amplitude is defined as the average of the squared amplitude of the signal and is most frequently used to describe the effect of vibration on the human body. Decibel notation (VdB) is commonly used to measure RMS. Decibel notation (VdB) serves to reduce the range of numbers used to describe human response to vibration. Typically, ground-borne vibration generated by man-made activities attenuates rapidly with distance from the source of the vibration. Sensitive receivers for vibration include structures (especially older masonry structures), people (especially residents, the elderly, and sick), and vibration-sensitive equipment and/or activities.

The background vibration-velocity level in residential areas is generally 50 VdB. Ground-borne vibration is normally perceptible to humans at approximately 65 VdB. For most people, a vibration-velocity level of 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible levels. Typical outdoor sources of perceptible ground-borne vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If a roadway is smooth, the ground-borne vibration is rarely perceptible. The range of interest is from approximately 50 VdB, which is the typical background vibration-velocity level, to 100 VdB, which is the general threshold where minor damage can occur in fragile buildings. Exhibit 2-C illustrates common vibration sources and the human and structural response to ground-borne vibration.

**EXHIBIT 2-C: TYPICAL LEVELS OF GROUND-BORNE VIBRATION**




** RMS Vibration Velocity Level in VdB relative to $10^{-6}$ inches/second*

*Source: Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual*.

# 3 REGULATORY SETTING

To limit population exposure to physically and/or psychologically damaging as well as intrusive noise levels, the federal government, the State of California, various county governments, and most municipalities in the state have established standards and ordinances to control noise. In most areas, automobile and truck traffic is the major source of environmental noise. Traffic activity generally produces an average sound level that remains constant with time. Air and rail traffic, and commercial and industrial activities are also major sources of noise in some areas. Federal, state, and local agencies regulate different aspects of environmental noise. Federal and state agencies generally set noise standards for mobile sources such as aircraft and motor vehicles, while regulation of stationary sources is left to local agencies.

## 3.1 STATE OF CALIFORNIA NOISE REQUIREMENTS

The State of California regulates freeway noise, sets standards for sound transmission, provides occupational noise control criteria, identifies noise standards, and provides guidance for local land use compatibility. State law requires that each county and city adopt a General Plan that includes a Noise Element which is to be prepared per guidelines adopted by the Governor's Office of Planning and Research (OPR). (9) The purpose of the Noise Element is to *limit the exposure of the community to excessive noise levels*. In addition, the California Environmental Quality Act (CEQA) requires that all known environmental effects of a project be analyzed, including environmental noise impacts.

### 3.1.1 RESIDENTIAL CONSTRUCTION

The State of California's noise insulation standards for all residential units are codified in the California Code of Regulations (CCR), Title 24, Building Standards Administrative Code, Section 1206 to 1207.11.2. These noise standards are applied to new construction that contains dwelling units or sleeping units, such as residential and hotel or motel uses, in California for controlling interior noise levels resulting from exterior noise sources. For new buildings, the acceptable interior noise limit is 45 dBA CNEL in habitable rooms (10).

### 3.1.2 NON-RESIDENTIAL CONSTRUCTION

The State of California's Green Building Standards Code contains mandatory measures for non-residential building construction in Section 5.507 on Environmental Comfort (11). These noise standards are applied to new construction in California for controlling interior noise levels resulting from exterior noise sources. The regulations specify that acoustical studies must be prepared when non-residential structures are developed in areas where the exterior noise levels exceed 65 dBA CNEL, such as within a noise contour of an airport, freeway, railroad, and other noise source. If the development falls within an airport or freeway 65 dBA CNEL noise contour, buildings shall be construction to provide an interior noise level environment attributable to exterior sources that does not exceed an hourly equivalent level of 50 dBA $L_{eq}$ in occupied areas during any hour of operation.

## 3.2 CITY OF RANCHO MIRAGE GENERAL PLAN NOISE ELEMENT

The City of Rancho Mirage has adopted a Noise Element of the General Plan (2017) to control and abate environmental noise, and to protect the citizens of and visitors to the City of Rancho Mirage from excessive exposure to noise. The Noise Element is intended to help align the community's various land uses with the existing and future noise environment and thus ensure that any negative effects of noise are minimized or completely avoided.

The noise criteria identified in the City of Rancho Mirage Noise Element are guidelines to evaluate the land use compatibility of transportation related noise. To assist the city in the planning compatible uses, a range of exterior noise thresholds for various land uses have been developed. Particularly sensitive land uses include residences, schools, libraries, churches, hospitals and nursing homes, and destination resort areas. In addition, parks, golf courses, and other outdoor activity areas can be sensitive to noise disturbances. Less sensitive land uses include commercial uses, conventional hotels and motels, and playgrounds. Least sensitive to noise are heavy commercial uses, transportation, communication, and utility land uses.

To protect noise sensitive land uses, and minimize the effects of excessive and nuisance noise, the City of Rancho Mirage General Plan Noise Element has outlined the following noise policies with the goal (Goal N 1) of a noise environment providing peace and quiet that complements and is consistent with Rancho Mirage's resort residential character:

Policy N 1.1: Land use patterns, associated traffic and its distribution, and individual developments shall be assessed for their potential to generate adverse and incompatible noise impacts. Noise exceeding normally acceptable levels shall be appropriately mitigated.

Policy N 1.2 Noise sensitive land uses, including residences, resorts, community open space, schools, libraries, churches, hospitals, and convalescent homes, shall be protected from high noise levels emitted by both existing and future noise sources.

Policy N 1.3 Project designs shall be required to include measures that assure that interior noise levels for residential development do not exceed 45 dBA CNEL.

Policy N 1.4 Land uses allowed adjacent to Rancho Mirage's major arterial roads and highways, or the Southern Pacific Railroad/I-10 corridor, should generally be limited to those that are compatible with higher noise levels to maximize noise-related land use compatibility.

Policy N 1.5 Develop and maintain a circulation plan that is consistent with the resort residential character of Rancho Mirage, avoids impacts to existing and planned sensitive receptors/uses, and provides fixed routes for existing and future truck traffic.

The Noise Level and Land Use Compatibility matrix in the Noise Element shown on Exhibit 3-A provides guidelines to evaluate the acceptability of the transportation related noise level impacts. Single-family residential land uses are considered *normally acceptable* with exterior noise levels below 60 dBA CNEL and *conditionally acceptable* with noise levels below 70 dBA CNEL. Multi-family residential land uses are considered *normally acceptable* with exterior noise levels below 65 dBA CNEL and *conditionally acceptable* with noise levels below 70 dBA CNEL. For

*conditionally acceptable* land use, *new construction or development undertaken only after a detailed analysis of the noise reduction requirements is made and necessary noise insulation features are included in the design. Conventional construction, but with closed windows and fresh air supply system or air conditioning will normally suffice. Outdoor environment will seem noisy.*

## 3.3 OPERATIONAL NOISE STANDARDS

To analyze noise impacts originating from a designated fixed location or private property such as the AHC-Skilled Nursing Facility Project, stationary-source (operational) noise such as the expected roof-top air conditioning units, trash enclosure activity, parking lot vehicle movements, and emergency backup generator are typically evaluated against standards established under a jurisdiction's Municipal Code. The City of Rancho Mirage Municipal Code noise standards are provided in Appendix 3.1. The City of Rancho Mirage Municipal Code (RMMC), Chapter 8.45 establishes the noise level standards for stationary noise sources. The Project's land use will potentially impact nearby noise-sensitive uses in the Project study area. For nearby noise-sensitive residential land uses in the Project study area, Section 8.45.030 identifies the base exterior noise level standard of 55 dBA $L_{eq}$ during the daytime hours (7:00 a.m. to 6:00 p.m.), 50 dBA $L_{eq}$ during the evening hours (6:00 p.m. to 10:00 p.m.) and 45 dBA $L_{eq}$ during the nighttime hours (10:00 p.m. to 7:00 a.m.). (12) Table 3-1 provides a summary of the City of Rancho Mirage operational exterior noise level standards for all land use types.

**TABLE 3-1: OPERATIONAL NOISE STANDARDS**

| Land Use[1] | Zone[2] | Time Period | Exterior Noise Level Standards (dBA $L_{eq}$)[3] |
|---|---|---|---|
| Residential (Low Density) | R-E, H-R, R-L-2, R-L-3 | Daytime (7:00 a.m. to 6:00 p.m.) | 55 |
| | | Evening (6:00 p.m. to 10:00 p.m.) | 50 |
| | | Nighttime (10:00 p.m. to 7:00 a.m.) | 45 |
| Residential (Medium and High Density, Hospital, Open Space) | OS, R-M, R-H, MHP | Daytime (7:00 a.m. to 6:00 p.m.) | 60 |
| | | Evening (6:00 p.m. to 10:00 p.m.) | 55 |
| | | Nighttime (10:00 p.m. to 7:00 a.m.) | 50 |
| Commercial Office, Resort Commercial, Mixed Use, Institutional | O, P, Rs-H, M-U | Daytime (7:00 a.m. to 6:00 p.m.) | 65 |
| | | Evening (6:00 p.m. to 10:00 p.m.) | 60 |
| | | Nighttime (10:00 p.m. to 7:00 a.m.) | 55 |
| Commercial Neighborhood, General Commercial, Commercial Recreation, Light Industrial | C-N, C-G, I-L | Daytime (7:00 a.m. to 6:00 p.m.) | 70 |
| | | Evening (6:00 p.m. to 10:00 p.m.) | 65 |
| | | Nighttime (10:00 p.m. to 7:00 a.m.) | 60 |

[1] City of Rancho Mirage Municipal Code, Section 8.45.030 Exterior noise level limits (Appendix 3.1).
[2] City of Rancho Mirage Land Use and Zoning Map
[3] $L_{eq}$ represents a steady state sound level containing the same total energy as a time varying signal over a given sample period.

**EXHIBIT 3-A: NOISE LEVEL AND LAND USE COMPATIBILITY**


*Source: City of Rancho Mirage General Plan Noise Element (2017) Exhibit 20*

## 3.4 CONSTRUCTION NOISE STANDARDS

To analyze noise impacts originating from the construction of AHC-Skilled Nursing Facility, noise from construction activities is typically evaluated against standards established under a City's Municipal Code. To control noise impacts associated with the construction of the proposed Project, the City has established limits to the hours of operation. The Rancho Mirage Municipal Code (RMMC) Section 15.04.030[A][11] indicates that construction, shall be limited to the hours of 7:00 a.m. and 7:00 p.m. with no activity on Sundays and holidays (13). The city recognizes that construction noise is difficult to control and restricts allowable hours for this intrusion. Still, construction, even when restricted to within these hours, presents a nuisance value when conducted in proximity to sensitive receptors (14). However, neither the City of Rancho Mirage

General Plan nor Municipal Code establish numeric maximum acceptable construction source noise levels at potentially affected receivers. Therefore, a numerical construction threshold based on Federal Transit Administration (FTA) *Transit Noise and Vibration Impact Assessment Manual* is used for analysis of daytime construction impacts, as discussed below.

According to the FTA, local noise ordinances are typically not very useful in evaluating construction noise. They usually relate to nuisance and hours of allowed activity, and sometimes specify limits in terms of maximum levels, but are generally not practical for assessing the impact of a construction project. Project construction noise criteria should account for the existing noise environment, the absolute noise levels during construction activities, the duration of the construction, and the adjacent land use. Due to the lack of standardized construction noise thresholds, the FTA provides guidelines that can be considered reasonable criteria for construction noise assessment. The FTA considers a daytime exterior construction noise level of 80 dBA $L_{eq}$ as a reasonable threshold for noise sensitive residential land use (8 p. 179).

## 3.5 VIBRATION STANDARDS

Construction activity can result in varying degrees of ground-borne vibration, depending on the equipment and methods used, distance to the affected structures and soil type. Construction vibration is generally associated with pile driving and rock blasting. Other construction equipment such as air compressors, light trucks, hydraulic loaders, etc., generates little or no ground vibration (8).

To analyze vibration impacts associated with the AHC-Skilled Nursing Facility, vibration-generating activities are appropriately evaluated against standards established under a City's Municipal Code if such standards exist. While Section 17.18.080 of the RMMC requires that *no vibration associated with any use shall be allowed which is discernable beyond the boundary line of the subject property,* the City of Rancho Mirage does not identify specific construction vibration level limits. Therefore, for analysis purposes, the Caltrans *Transportation and Construction Vibration Guidance Manual*, (15 p. 38) Table 19, vibration damage are used in this noise study to assess potential temporary construction-related impacts at adjacent building locations. The nearest noise sensitive buildings adjacent to the Project site can best be described as "older residential structures" with a maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec).

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# 4 SIGNIFICANCE CRITERIA

The following significance criteria are based on currently adopted guidance provided by Appendix G of the California Environmental Quality Act (CEQA) Guidelines (1). For the purposes of this report, impacts would be potentially significant if the Project results in or causes:

A. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

B. Generation of excessive ground-borne vibration or ground-borne noise levels?

C. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

## 4.1 NOISE LEVEL INCREASES (THRESHOLD A)

Noise level increases resulting from the Project are evaluated based on the Appendix G CEQA Guidelines described above at the closest sensitive receiver locations. Under CEQA, consideration must be given to the magnitude of the increase, the existing ambient noise levels, and the location of noise-sensitive receivers to determine if a noise increase represents a significant adverse environmental impact. This approach *recognizes that there is no single noise increase that renders the noise impact significant.* (16) This is primarily because of the wide variation in individual thresholds of annoyance and differing individual experiences with noise. Thus, an important way of determining a person's subjective reaction to a new noise is the comparison of it to the existing environment to which one has adapted—the so-called *ambient* environment.

In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will typically be judged. The Federal Interagency Committee on Noise (FICON) (17) developed guidance to be used for the assessment of project-generated increases in noise levels that consider the ambient noise level. The FICON recommendations are based on studies that relate aircraft noise levels to the percentage of persons highly annoyed by aircraft noise. Although the FICON recommendations were specifically developed to assess aircraft noise impacts, these recommendations are often used in environmental noise impact assessments involving the use of cumulative noise exposure metrics, such as the average-daily noise level (CNEL) and equivalent continuous noise level ($L_{eq}$). The FICON guidance provides an established source of criteria to assess the impacts of substantial temporary or permanent increase in ambient noise levels. Based on the FICON criteria, the amount to which a given noise level increase is considered acceptable is reduced when the without Project noise levels are already shown to exceed certain land-use specific exterior noise level criteria. The specific levels are based on typical responses to noise level increases of 5 dBA or *readily perceptible*, 3 dBA or *barely perceptible*, and 1.5 dBA depending on the underlying without Project noise levels for noise-sensitive uses. These levels of increases and their perceived acceptance are consistent with guidance provided by both the Federal Highway Administration (4 p. 9) and Caltrans (18 p. 2_48).

## 4.2 VIBRATION (THRESHOLD B)

As described in Section 3.5, the vibration impacts originating from the construction of the AHC-Skilled Nursing Facility, vibration-generating activities are appropriately evaluated using the Caltrans vibration damage thresholds to assess potential temporary construction-related impacts at adjacent building locations. The nearest noise sensitive buildings adjacent to the Project site can best be described as "older residential structures" with a maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec).

## 4.3 CEQA GUIDELINES NOT FURTHER ANALYZED (THRESHOLD C)

CEQA Noise Threshold C applies when there are nearby public and private airports and/or air strips and focuses on land use compatibility of the Project to nearby airports and airstrips. The Project site is not located within two miles of an airport or airstrip. The closest airport is the Palm Springs International Airport located approximately 5.6 miles northwest of the Project site. As such, the Project site would not be exposed to excessive noise levels from airport operations, and therefore, impacts are considered *less than significant,* and no further noise analysis is conducted in relation to Appendix G to the CEQA Guidelines, Noise Threshold C.

## 4.4 SIGNIFICANCE CRITERIA SUMMARY

Noise impacts shall be considered significant if any of the following occur as a direct result of the proposed development. Table 4-1 shows the significance criteria summary matrix that includes the allowable criteria used to identify potentially significant incremental noise level increases.

**TABLE 4-1: SIGNIFICANCE CRITERIA SUMMARY**

| Analysis | Receiving Land Use | Condition(s) | Significance Criteria |
|---|---|---|---|
| Off-Site Traffic | Noise-Sensitive[1] | If ambient is < 60 dBA CNEL | ≥ 5 dBA CNEL Project increase |
| | | If ambient is 60 - 65 dBA CNEL | ≥ 3 dBA CNEL Project increase |
| | | If ambient is > 65 dBA CNEL | ≥ 1.5 dBA CNEL Project increase |
| | Non-Noise-Sensitive[1,2] | If ambient is < 70 dBA CNEL | ≥ 5 dBA CNEL Project increase |
| | | If ambient is > 70 dBA CNEL | ≥ 3 dBA CNEL Project increase |
| Operational | All[3] | Exterior Noise Level Standards | See Table 3-1 |
| Construction | Noise-Sensitive | Shall be limited to the hours of 7:00 a.m. and 7:00 p.m. with no activity on Sundays and holidays[4] | |
| | | Noise Level Threshold[5] | 80 dBA $L_{eq}$ |
| | All | Vibration Level Threshold[6] | 0.3 PPV (in/sec) |

[1] FICON, 1992.
[2] City of Rancho Mirage General Plan Noise Element.
[3] City of Rancho Mirage General Plan Municipal Code, Section 8.45.030
[4] City of Rancho Mirage General Plan Municipal Code, Section15.04.030[A][10].
[5] Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual.
[6] Caltrans Transportation and Construction Vibration Manual, April 2020 Table 19.
"Daytime" = 7:00 a.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 7:00 a.m.

# 5 EXISTING NOISE LEVEL MEASUREMENTS

To assess the existing noise level environment, 24-hour noise level measurements were taken at four locations in the Project study area. The receiver locations were selected to describe and document the existing noise environment within the Project study area. Exhibit 5-A provides the boundaries of the Project study area and the noise level measurement locations. To fully describe the existing noise conditions, noise level measurements were collected by Urban Crossroads, Inc. on Wednesday, June 28, 2023. Appendix 5.1 includes study area photos.

## 5.1 MEASUREMENT PROCEDURE AND CRITERIA

To describe the existing noise environment, the hourly noise levels were measured during typical weekday conditions over a 24-hour period. By collecting individual hourly noise level measurements, it is possible to describe the equivalent daytime and nighttime hourly noise levels. The long-term noise readings were recorded using Piccolo Type 2 integrating sound level meter and dataloggers. The Piccolo sound level meters were calibrated using a Larson-Davis calibrator, Model CAL 150. All noise meters were programmed in "slow" mode to record noise levels in "A" weighted form. The sound level meters and microphones were equipped with a windscreen during all measurements. All noise level measurement equipment satisfies the American National Standards Institute (ANSI) standard specifications for sound level meters ANSI S1.4-2014/IEC 61672-1:2013. (19)

## 5.2 NOISE MEASUREMENT LOCATIONS

The long-term noise level measurements were positioned as close to the nearest sensitive receiver locations as possible to assess the existing ambient hourly noise levels surrounding the Project site. Both Caltrans and the FTA recognize that it is not reasonable to collect noise level measurements that can fully represent every part of a private yard, patio, deck, or balcony normally used for human activity when estimating impacts for new development projects. This is demonstrated in the Caltrans general site location guidelines which indicate that, *sites must be free of noise contamination by sources other than sources of interest. Avoid sites located near sources such as barking dogs, lawnmowers, pool pumps, and air conditioners unless it is the express intent of the analyst to measure these sources*. (2) Further, FTA guidance states, t*hat it is not necessary nor recommended that existing noise exposure be determined by measuring at every noise-sensitive location in the project area. Rather, the recommended approach is to characterize the noise environment for clusters of sites based on measurements or estimates at representative locations in the community* (8).

Based on recommendations of Caltrans and the FTA, it is not necessary to collect measurements at each individual building or residence, because each receiver measurement represents a group of buildings that share acoustical equivalence (8). In other words, the area represented by the receiver shares similar shielding, terrain, and geometric relationship to the reference noise source. Receivers represent a location of noise sensitive areas and are used to estimate the future noise level impacts. Collecting reference ambient noise level measurements at the nearby sensitive receiver locations allows for a comparison of the before and after Project noise levels

and is necessary to assess potential noise impacts due to the Project's contribution to the ambient noise levels.

## 5.3 NOISE MEASUREMENT RESULTS

The noise measurements presented below focus on the equivalent or the hourly energy average sound levels ($L_{eq}$). The equivalent sound level ($L_{eq}$) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. Table 5-1 identifies the hourly daytime (7:00 a.m. to 6:00 p.m.), evening (6:00 p.m. to 10:00 p.m.) and nighttime (10:00 p.m. to 7:00 a.m.) noise levels at each noise level measurement location.

**TABLE 5-1: AMBIENT NOISE LEVEL MEASUREMENTS**

| Location[1] | Description | Energy Average Noise Level (dBA $L_{eq}$)[2] | | |
|---|---|---|---|---|
| | | Daytime | Evening | Nighttime |
| L1 | Located north of the site near the medical building at 35900 Bob Hope Dr. | 55.2 | 51.3 | 48.7 |
| L2 | Located northeast of the site near the residence at 35 Alicante Cir. | 55.5 | 52.3 | 50.3 |
| L3 | Located east of the site near the residence at 9 Cassis Cir. | 52.7 | 53.6 | 53.5 |
| L4 | Located west of the site | 66.1 | 64.5 | 60.2 |

[1] See Exhibit 5-A for the noise level measurement locations.
[2] Energy (logarithmic) average levels. The long-term 24-hour measurement worksheets are included in Appendix 5.2.
"Daytime" = 7:00 a.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 7:00 a.m.

Table 5-1 provides the equivalent noise levels used to describe the daytime, evening, and nighttime ambient conditions. These daytime and nighttime energy average noise levels represent the average of all hourly noise levels observed during these time periods expressed as a single number. Appendix 5.2 provides summary worksheets of the noise levels for each of the daytime and nighttime hours.

## EXHIBIT 5-A: NOISE MEASUREMENT LOCATIONS

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# 6 RECEIVER LOCATIONS

To assess the potential for long-term operational and short-term construction noise impacts, the following sensitive receiver locations, as shown on Exhibit 6-A, were identified as representative locations for analysis. Sensitive receivers are generally defined as locations where people reside or where the presence of unwanted sound could otherwise adversely affect the use of the land. Noise-sensitive land uses are generally considered to include schools, hospitals, single-family dwellings, mobile home parks, churches, libraries, and recreation areas. Moderately noise-sensitive land uses typically include multi-family dwellings, hotels, motels, dormitories, out-patient clinics, cemeteries, golf courses, country clubs, athletic/tennis clubs, and equestrian clubs. Land uses that are considered relatively insensitive to noise include business, commercial, and professional developments. Land uses that are typically not affected by noise include: industrial, manufacturing, utilities, agriculture, undeveloped land, parking lots, warehousing, liquid and solid waste facilities, salvage yards, and transit terminals.

To describe the potential off-site Project noise levels, four receiver locations in the vicinity of the Project site were identified. The selection of receiver locations is based on FHWA guidelines and is consistent with additional guidance provided by Caltrans and the FTA, as previously described in Section 5.2. Other sensitive land uses in the Project study area that are located at greater distances than those identified in this noise study will experience lower noise levels than those presented in this report due to the additional attenuation from distance and the shielding of intervening structures. Distance is measured in a straight line from the project boundary to each receiver location.

R1: Location R1 represents the medical office building at 35900 Bob Hope Drive, approximately 152 feet north of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receiver R1 is placed at the building façade. A 24-hour noise measurement was taken near this location, L1, to describe the existing ambient noise environment.

R2: Location R2 represents the existing noise sensitive residence at 35 Alicante Circle, approximately 120 feet northeast of the Project site. Receiver R2 is placed in the private outdoor living areas (backyards) facing the Project site. A 24-hour noise measurement was taken near this location, L2, to describe the existing ambient noise environment.

R3: Location R3 represents the existing noise sensitive residence at 9 Cassis Circle, approximately 30 feet east of the Project site. Receiver R3 is placed in the private outdoor living areas (backyards) facing the Project site. A 24-hour noise measurement was taken near this location, L3, to describe the existing ambient noise environment.

R4: Location R4 represents the existing noise sensitive residence at 7 Buckingham Way, approximately 272 feet west of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receiver R4 is placed at the building façade. A 24-hour noise measurement was taken near this location, L4, to describe the existing ambient noise environment.

## EXHIBIT 6-A: RECEIVER LOCATIONS

# 7 OPERATIONAL NOISE IMPACTS

This section analyzes the potential stationary-source operational noise impacts at the nearest receiver locations, identified in Section 6, resulting from the operation of uses allowed by the AHC-Skilled Nursing Facility. The AHC-Skilled Nursing Facility is considered a noise-sensitive receiving land use and is not expected to include any meaningful sources of noise activity. Exhibit 7-A identifies the representative noise source locations used to assess stationary noise sources.

## 7.1 OPERATIONAL NOISE SOURCES

This operational noise analysis is intended to describe noise level impacts associated with the expected typical daytime and nighttime activities at the Project site. The on-site Project-related noise sources are expected to include: roof-top air conditioning units, trash enclosure activity, parking lot vehicle movements, and emergency backup generator.

## 7.2 REFERENCE NOISE LEVELS

To estimate the Project operational noise impacts, reference noise level measurements were collected from similar types of activities, or taken from manufactures specification sheets, to represent the noise levels expected with the development of the proposed Project. This section provides a detailed description of the reference noise levels shown on Table 7-1 used to estimate the Project operational noise impacts. It is important to note that the following projected noise levels assume the worst-case noise environment with the roof-top air conditioning units, trash enclosure activity, parking lot vehicle movements, and emergency backup generator all operating at the same time. These sources of noise activity will likely vary throughout the day.

### 7.2.1 MEASUREMENT PROCEDURES

Unless noted in the following descriptions, the reference noise level measurements presented in this section were collected using a Larson Davis LxT Type 1 precisions sound level meter (serial number 01146). The LxT sound level meter was calibrated using a Larson-Davis calibrator, Model CAL 200, was programmed in "slow" mode to record noise levels in "A" weighted form and was located at approximately five feet above the ground elevation for each measurement. The sound level meters and microphones were equipped with a windscreen during all measurements. All noise level measurement equipment satisfies the American National Standards Institute (ANSI) standard specifications for sound level meters ANSI S1.4-2014/IEC 61672-1:2013. (19)

## EXHIBIT 7-A: STATIONARY SOURCE NOISE LOCATIONS

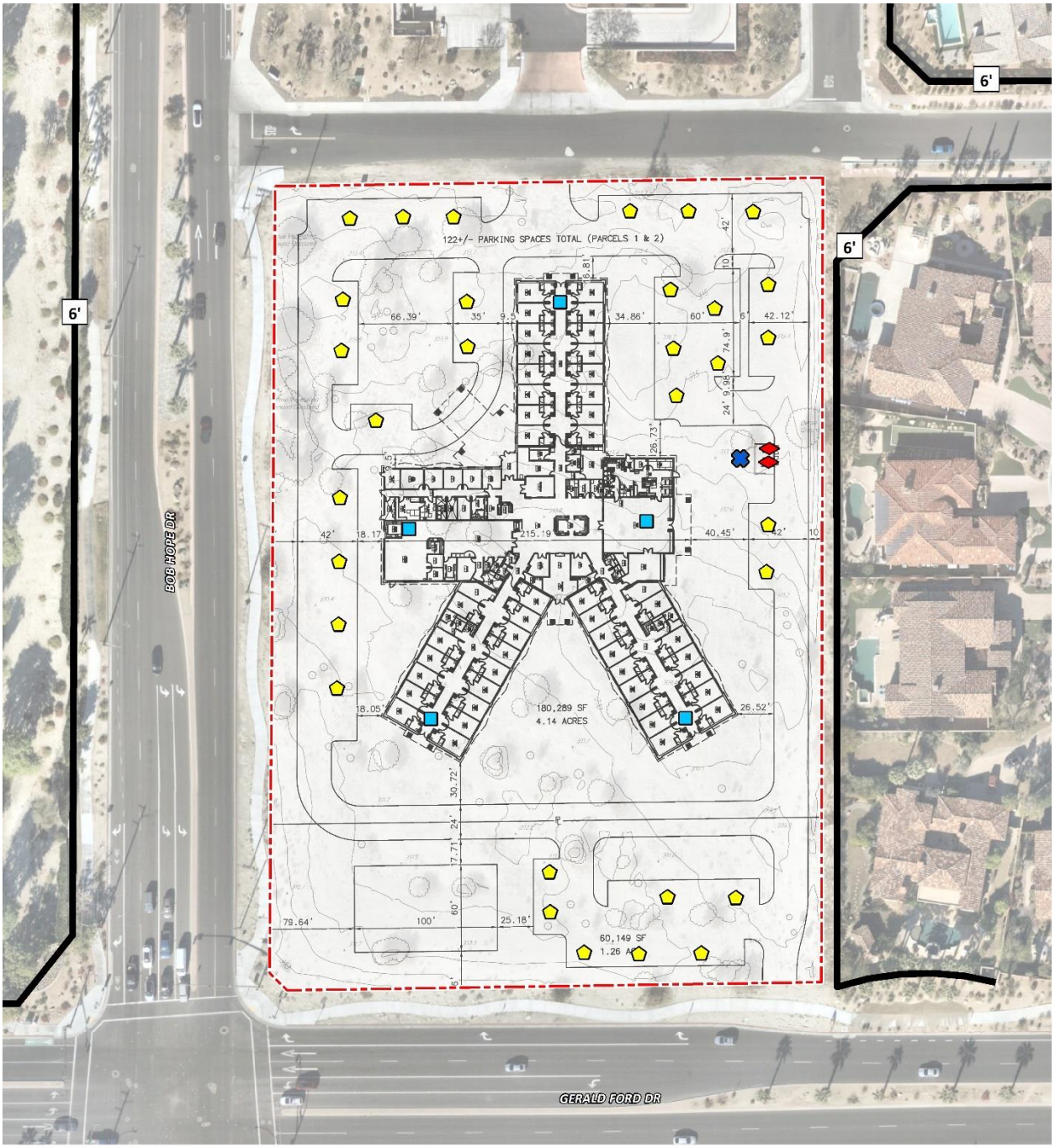

**TABLE 7-1: REFERENCE NOISE LEVEL MEASUREMENTS**

| Noise Source[1] | Noise Source Height (Feet) | Min./ Hour[2] | | Reference Noise Level (dBA $L_{eq}$) @ 50 Feet | Sound Power Level (dBA)[3] |
|---|---|---|---|---|---|
| | | Day | Night | | |
| Roof-Top Air Conditioning Units | 3' | 39 | 28 | 57.2 | 88.9 |
| Trash Enclosure Activity | 5' | 60 | 30 | 57.3 | 89.0 |
| Parking Lot Vehicle Movements | 5' | 60 | 60 | 52.6 | 81.1 |
| Emergency Backup Generator | 6' | 60 | 60 | 64.9 | 110.3 |

[1] As measured by Urban Crossroads, Inc.
[2] Anticipated duration (minutes within the hour) of noise activity during typical hourly conditions expected at the Project site. "Daytime" = 7:00 a.m. - 10:00 p.m.; "Nighttime" = 10:00 p.m. - 7:00 a.m.
[3] Sound power level represents the total amount of acoustical energy (noise level) produced by a sound source independent of distance or surroundings. Sound power levels calculated using the CadnaA noise model at the reference distance to the noise source.

### 7.2.2 ROOF-TOP AIR CONDITIONING UNITS

To assess the noise levels created by the roof-top air conditioning units, reference noise level measurements were collected from a Lennox SCA120 series 10-ton model packaged air conditioning unit. At the uniform reference distance of 50 feet, the reference noise level is 57.2 dBA $L_{eq}$. For this noise analysis, the air conditioning units are expected to operate continuously for 60 minutes per hour and will be located four feet above the roof elevation of the Project buildings. This reference noise level describes the expected roof-top air conditioning units located 5 feet above the roof for the planned air conditioning units at the Project site.

### 7.2.3 TRASH ENCLOSURE ACTIVITY

To describe the noise levels associated with a trash enclosure activity, Urban Crossroads collected a reference noise level measurement at an existing trash enclosure containing two dumpster bins. The trash enclosure noise levels describe metal gates opening and closing, metal scraping against concrete floor sounds, dumpster movement on metal wheels, and trash dropping into the metal dumpster. The reference noise levels describe trash enclosure noise activities when trash is dropped into an empty metal dumpster, as would occur at the Project Site. The measured reference noise level at the uniform 50-foot reference distance is 57.3 dBA $L_{eq}$ for the trash enclosure activity. The reference noise level describes the expected noise source activities associated with the trash enclosures for the Project's proposed building.

### 7.2.4 PARKING LOT ACTIVITIES

To describe the on-site parking lot activity a reference noise level of 52.6 dBA $L_{eq}$ at 50 feet is used. Parking lot activities are expected to take place during the full hour (60 minutes) throughout the daytime and evening hours with 30 minutes of activity during the nighttime hours. The parking lot noise levels are mainly due to cars pulling in and out of parking spaces in combination with car doors opening and closing.

### 7.2.5 EMERGENCY BACKUP GENERATOR

To describe the noise levels associated with an emergency backup generator at the Project site, Urban Crossroads collected a reference noise level measurement of a 336-kilowatt (kW) diesel generator. The measured reference noise level at the uniform 50-foot reference distance is 64.9 dBA $L_{eq}$. This analysis assumes the generator would operate for 10 minutes during the daytime hours reflecting that the backup generator would only be used in emergencies or when being tested for scheduled maintenance.

## 7.3 CADNAA NOISE PREDICTION MODEL

To fully describe the exterior operational noise levels from the Project, Urban Crossroads, Inc. developed a noise prediction model using the CadnaA (Computer Aided Noise Abatement) computer program. CadnaA can analyze multiple types of noise sources using the spatially accurate Project site plan, georeferenced Nearmap aerial imagery, topography, buildings, and barriers in its calculations to predict outdoor noise levels.

Using the ISO 9613-2 protocol, CadnaA will calculate the distance from each noise source to the noise receiver locations, using the ground absorption, distance, and barrier/building attenuation inputs to provide a summary of noise level at each receiver and the partial noise level contributions by noise source. Consistent with the ISO 9613-2 protocol, the CadnaA noise prediction model relies on the reference sound power level ($L_w$) to describe individual noise sources. While sound pressure levels (e.g., $L_{eq}$) quantify in decibels the intensity of given sound sources at a reference distance, sound power levels ($L_w$) are connected to the sound source and are independent of distance. Sound pressure levels vary substantially with distance from the source and diminish because of intervening obstacles and barriers, air absorption, wind, and other factors. Sound power is the acoustical energy emitted by the sound source and is an absolute value that is not affected by the environment. The operational noise level calculations provided in this noise study account for the distance attenuation provided due to geometric spreading, when sound from a localized stationary source (i.e., a point source) propagates uniformly outward in a spherical pattern. A default ground attenuation factor of 0.5 was used in the noise analysis to account for mixed ground representing a combination of hard and soft surfaces.

## 7.4 PROJECT OPERATIONAL NOISE LEVELS

Using the reference noise levels to represent the proposed Project operations that include, Urban Crossroads, Inc. calculated the operational source noise levels that are expected to be generated from the Project site and the Project-related noise level increases that would be experienced at each of the sensitive receiver locations. Table 7-2 shows the calculated Project operational noise levels during the daytime hours of 7:00 a.m. to 6:00 p.m., evening hours of 6:00 p.m. to 10:00 p.m. and the nighttime hours of 10:00 p.m. to 7:00 a.m. Table 7-2 shows that the Project operational noise levels will range from 35.6 to 46.4 dBA $L_{eq}$.

**TABLE 7-2: PROJECT OPERATIONAL NOISE LEVELS**

| Receiver Location[1] | Project Operational Noise Levels (dBA Leq)[2] | | | Noise Level Standards (dBA Leq)[3] | | | Threshold Exceeded?[4] | | |
|---|---|---|---|---|---|---|---|---|---|
| | Day | Eve. | Night | Day | Eve. | Night | Day | Eve. | Night |
| R1 | 46.5 | 44.5 | 41.9 | 55 | 50 | 45 | No | No | No |
| R2 | 44.3 | 39.9 | 37.4 | 55 | 50 | 45 | No | No | No |
| R3 | 38.2 | 37.7 | 35.7 | 55 | 50 | 45 | No | No | No |
| R4 | 52.5 | 46.0 | 43.7 | 55 | 50 | 45 | No | No | No |

[1] See Exhibit 6-A for the receiver locations.
[2] Proposed Project operational noise level calculations included in Appendix 7.1.
[3] City of Rancho Mirage exterior noise level standards by land use, as shown on Table 3-1.
[4] Do the estimated Project operational noise source activities exceed the noise level standards?
"Day" = 7:00 a.m. to 6:00 p.m.; "Evening" = 6:00 p.m. to 10:00 p.m.; "Night" = 10:00 p.m. to 7:00 a.m.

To demonstrate compliance with local noise regulations, the Project-only operational noise levels are evaluated against exterior noise level thresholds based on the City of Rancho Mirage exterior noise level standards at nearby noise-sensitive receiver locations. Table 7-2 shows that the operational noise levels associated with AHC-Skilled Nursing Facility Project will not exceed the City of Rancho Mirage daytime, evening, and nighttime exterior noise level standards at all nearby receiver locations. Therefore, the operational noise impacts are considered *less than significant* at the nearby noise-sensitive receiver locations.

## 7.5 PROJECT OPERATIONAL NOISE LEVEL INCREASES

To describe the Project operational noise level increases, the Project operational noise levels are combined with the existing ambient noise levels measurements for the nearby receiver locations potentially impacted by Project operational noise sources. Since the units used to measure noise, decibels (dB), are logarithmic units, the Project-stationary source and existing ambient noise levels cannot be combined using standard arithmetic equations. (2) Instead, they must be logarithmically added using the following base equation:

$$SPL_{Total} = 10\log_{10}[10^{SPL1/10} + 10^{SPL2/10} + \ldots 10^{SPLn/10}]$$

Where "SPL1," "SPL2," etc. are equal to the sound pressure levels being combined, or in this case, the Project operational and existing ambient noise levels. The difference between the combined Project and ambient noise levels describes the Project noise level increases to the existing ambient noise environment. Noise levels that would be experienced at receiver locations when Project-source noise is added to the daytime, evening, and nighttime ambient conditions are presented on Tables 7-3, 7-4, and 7-5, respectively. As indicated on Tables 7-3, 7-4 and 7-5, the Project will generate an unmitigated operational noise level increase ranging from 0.1 to 0.8 dBA $L_{eq}$ at the nearby receiver locations.

Tables 7-3, 7-4 and 7-5 show that the Project operational noise level contributions satisfy the operational noise level increase significance criteria presented in Table 4-1. Therefore, the Project related operational noise level increases at all sensitive receiver locations will be *less than significant.*

**TABLE 7-3: DAYTIME PROJECT STATIONARY SOURCE NOISE LEVEL INCREASES**

| Receiver Location[1] | Total Project Operational Noise Level[2] | Measurement Location[3] | Reference Ambient Noise Levels[4] | Combined Project and Ambient[5] | Project Increase[6] | Increase Criteria[7] | Increase Criteria Exceeded?[7] |
|---|---|---|---|---|---|---|---|
| R1 | 46.5 | L1 | 55.2 | 55.7 | 0.5 | 5.0 | No |
| R2 | 44.3 | L2 | 55.5 | 55.8 | 0.3 | 5.0 | No |
| R3 | 38.2 | L3 | 52.7 | 52.9 | 0.2 | 5.0 | No |
| R4 | 52.5 | L4 | 66.1 | 66.3 | 0.2 | 1.5 | No |

[1] See Exhibit 6-A for the receiver locations.
[2] Total Project operational noise levels as shown on Table 7-2.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance Criteria as defined in Section 4.

**TABLE 7-4: EVENING PROJECT STATIONARY SOURCE NOISE LEVEL INCREASES**

| Receiver Location[1] | Total Project Operational Noise Level[2] | Measurement Location[3] | Reference Ambient Noise Levels[4] | Combined Project and Ambient[5] | Project Increase[6] | Increase Criteria[7] | Increase Criteria Exceeded?[7] |
|---|---|---|---|---|---|---|---|
| R1 | 44.5 | L1 | 51.3 | 52.1 | 0.8 | 5.0 | No |
| R2 | 39.9 | L2 | 52.3 | 52.5 | 0.2 | 5.0 | No |
| R3 | 37.7 | L3 | 53.6 | 53.7 | 0.1 | 5.0 | No |
| R4 | 46.0 | L4 | 64.5 | 64.6 | 0.1 | 3.0 | No |

[1] See Exhibit 6-A for the receiver locations.
[2] Total Project operational noise levels as shown on Table 7-2.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed evening ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance Criteria as defined in Section 4.

**TABLE 7-5: NIGHTTIME PROJECT STATIONARY SOURCE NOISE LEVEL INCREASES**

| Receiver Location[1] | Total Project Operational Noise Level[2] | Measurement Location[3] | Reference Ambient Noise Levels[4] | Combined Project and Ambient[5] | Project Increase[6] | Increase Criteria[7] | Increase Criteria Exceeded?[7] |
|---|---|---|---|---|---|---|---|
| R1 | 41.9 | L1 | 48.7 | 49.5 | 0.8 | 5.0 | No |
| R2 | 37.4 | L2 | 50.3 | 50.5 | 0.2 | 5.0 | No |
| R3 | 35.7 | L3 | 53.5 | 53.6 | 0.1 | 5.0 | No |
| R4 | 43.7 | L4 | 60.2 | 60.3 | 0.1 | 3.0 | No |

[1] See Exhibit 6-A for the receiver locations.
[2] Total Project operational noise levels as shown on Table 7-2.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed nighttime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance Criteria as defined in Section 4.

## 7.6 OFF-SITE TRAFFIC NOISE ANALYSIS

Traffic generated by the operation of the proposed Project will influence the traffic noise levels in surrounding off-site areas and at the Project site. However, the off-site Project-related traffic represents an incremental increase to the existing roadway volumes, which is not expected to generate a barely perceptible noise level increase of 3 dBA CNEL at nearby sensitive land uses adjacent to study area roadways, since a doubling of the existing traffic volumes would be required to generate a 3 dBA CNEL increase. The incremental Project-related off-site traffic noise levels due to the *AHC-Skilled Nursing Facility* project trips are estimated at less than 1 dBA CNEL. Due to the low traffic volumes generated by the Project, the off-site traffic noise levels generated by the Project are considered less than significant and no further analysis is required.

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# 8 CONSTRUCTION IMPACTS

This section analyzes potential impacts resulting from the short-term construction activities associated with the development of the Project. Exhibit 8-A shows the construction noise source locations in relation to the nearest sensitive receiver locations previously described in Section 8. To prevent high levels of construction noise from impacting noise-sensitive land uses, RMMC Section 15.04.030[A][11] indicates that construction, shall be limited to the hours of 7:00 a.m. and 7:00 p.m. with no activity on Sundays and holidays (13).

## 8.1 CONSTRUCTION NOISE LEVELS

The FTA *Transit Noise and Vibration Impact Assessment Manual* recognizes that construction projects are accomplished in several different stages and outlines the procedures for assessing noise impacts during construction. Each stage has a specific equipment mix, depending on the work to be completed during that stage. As a result of the equipment mix, each stage has its own noise characteristics; some stages have higher continuous noise levels than others, and some have higher impact noise levels than others. The Project construction activities are expected to occur in the following stages:

- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

## 8.2 CONSTRUCTION REFERENCE NOISE LEVELS

To describe construction noise activities, this construction noise analysis was prepared using reference construction equipment noise levels from the Federal Highway Administration (FHWA) published the Roadway Construction Noise Model (RCNM), which includes a national database of construction equipment reference noise emission levels. (21) The RCNM equipment database, provides a comprehensive list of the noise generating characteristics for specific types of construction equipment. In addition, the database provides an acoustical usage factor to estimate the fraction of time each piece of construction equipment is operating at full power (i.e., its loudest condition) during a construction operation.

## EXHIBIT 8-A: TYPICAL CONSTRUCTION NOISE SOURCE LOCATIONS

## 8.3 CONSTRUCTION NOISE ANALYSIS

Using the reference construction equipment noise levels and the CadnaA noise prediction model, calculations of the Project construction noise level impacts at the nearby sensitive receiver locations were completed. Consistent with FTA guidance for general construction noise assessment, Table 8-1 presents the combined noise levels for the loudest construction equipment, assuming they operate at the same time. As shown on Table 8-2, the construction noise levels are expected to range from 47.9 to 64.5 dBA $L_{eq}$ at the nearby receiver locations. Appendix 8.1 includes the detailed CadnaA construction noise model inputs.

**TABLE 8-1: CONSTRUCTION REFERENCE NOISE LEVELS**

| Construction Stage | Reference Construction Equipmnet[1] | Reference Noise Level @ 50 Feet (dBA $L_{eq}$) | Composite Reference Noise Level (dBA $L_{eq}$)[2] | Reference Power Level (dBA $L_w$)[3] |
|---|---|---|---|---|
| Site Preparation | Tractor | 80 | 84.0 | 115.6 |
| | Backhoe | 74 | | |
| | Grader | 81 | | |
| Grading | Scraper | 80 | 83.3 | 114.9 |
| | Excavator | 77 | | |
| | Dozer | 78 | | |
| Building Construction | Crane | 73 | 80.6 | 112.2 |
| | Generator | 78 | | |
| | Front End Loader | 75 | | |
| Paving | Paver | 74 | 77.8 | 109.5 |
| | Dump Truck | 72 | | |
| | Roller | 73 | | |
| Architectural Coating | Man Lift | 68 | 76.2 | 107.8 |
| | Compressor (air) | 74 | | |
| | Generator (<25kVA) | 70 | | |

[1] FHWA Road Construction Noise Model.
[2] Represents the combined noise level for all equipment assuming they operate at the same time consistent with FTA Transit Noise and Vibration Impact Assessment guidance.
[3] Sound power level represents the total amount of acoustical energy (noise level) produced by a sound source independent of distance or surroundings.

**TABLE 8-2: CONSTRUCTION EQUIPMENT NOISE LEVEL SUMMARY**

| Receiver Location[1] | Construction Noise Levels (dBA $L_{eq}$) | | | | | |
|---|---|---|---|---|---|---|
| | Site Preparation | Grading | Building Construction | Paving | Architectural Coating | Highest Levels[2] |
| R1 | 62.9 | 62.2 | 59.5 | 56.8 | 55.1 | 62.9 |
| R2 | 57.1 | 56.4 | 53.7 | 51.0 | 49.3 | 57.1 |
| R3 | 55.7 | 55.0 | 52.3 | 49.6 | 47.9 | 55.7 |
| R4 | 64.5 | 63.8 | 61.1 | 58.4 | 56.7 | 64.5 |

[1] Construction noise source and receiver locations are shown on Exhibit 8-A.
[2] Construction noise level calculations based on distance from the construction activity, which is measured from the Project site boundary to the nearest receiver locations. CadnaA construction noise model inputs are included in Appendix 8.1.

## 8.4 CONSTRUCTION NOISE LEVEL COMPLIANCE

To evaluate whether the Project will generate potentially significant short-term noise levels at nearest receiver locations, a construction-related daytime noise level threshold of 80 dBA $L_{eq}$ is used as a reasonable threshold to assess the daytime construction noise level impacts. The construction noise analysis shows that the nearest receiver locations will satisfy the reasonable daytime 80 dBA $L_{eq}$ significance threshold during Project construction activities as shown on Table 8-3. Therefore, the noise impacts due to Project construction noise are considered *less than significant* at all receiver locations.

**TABLE 8-3: CONSTRUCTION NOISE LEVEL COMPLIANCE**

| Receiver Location[1] | Construction Noise Levels (dBA $L_{eq}$) | | |
|---|---|---|---|
| | Highest Construction Noise Levels[2] | Threshold[3] | Threshold Exceeded?[4] |
| R1 | 62.9 | 80 | No |
| R2 | 57.1 | 80 | No |
| R3 | 55.7 | 80 | No |
| R4 | 64.5 | 80 | No |

[1] Construction noise source and receiver locations are shown on Exhibit 8-A.
[2] Highest construction noise level calculations based on distance from the construction noise source activity to the nearest receiver locations as shown on Table 8-2.
[3] Construction noise level thresholds as shown on Table 4-1.
[4] Do the estimated Project construction noise levels exceed the construction noise level threshold?

## 8.5 CONSTRUCTION VIBRATION ANALYSIS

Construction activity can result in varying degrees of ground vibration, depending on the equipment and methods employed. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Ground vibration levels associated with various types of construction equipment are summarized on Table 8-4. Based on the representative vibration levels presented for various construction equipment types, it is possible to estimate the potential for human response (annoyance) and building damage using the following vibration assessment methods defined by Caltrans. To calculate vibration levels at distance, Caltrans provides the following equation: $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$

**TABLE 8-4: VIBRATION SOURCE LEVELS FOR CONSTRUCTION EQUIPMENT**

| Equipment | PPV (in/sec) at 25 feet |
|---|---|
| Small bulldozer | 0.003 |
| Jackhammer | 0.035 |
| Loaded Trucks | 0.076 |
| Large bulldozer | 0.089 |
| Vibratory Roller | 0.210 |

Caltrans Transportation and Construction Vibration Guidance Manual, April 2020.

Table 8-5 presents the expected Project related vibration levels at the nearby receiver building façade locations. At distances ranging from 30 to 272 feet from the building façade to the Project construction activities, construction vibration velocity levels are estimated to range from 0.006 to 0.160 in/sec PPV. Based on maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec), the typical Project construction vibration levels will fall below the building damage thresholds at all the noise sensitive receiver locations. Therefore, the Project-related vibration impacts are considered *less than significant* during typical construction activities at the Project site. Moreover, the vibration levels reported at the sensitive receiver locations are unlikely to be sustained during the entire construction period but will occur rather only during the times that heavy construction equipment is operating adjacent to the Project site perimeter.

**TABLE 8-5: PROJECT CONSTRUCTION VIBRATION LEVELS**

| Location[1] | Distance to Const. Activity (Feet)[2] | Typical Construction Vibration Levels PPV (in/sec)[3] | | | | | | Thresholds PPV (in/sec)[4] | Thresholds Exceeded?[5] |
|---|---|---|---|---|---|---|---|---|---|
| | | Small bulldozer | Jack-hammer | Loaded Trucks | Large bulldozer | Vibratory Roller | Highest Vibration Level | | |
| R1 | 152' | 0.000 | 0.002 | 0.005 | 0.006 | 0.014 | 0.014 | 0.3 | No |
| R2 | 120' | 0.000 | 0.003 | 0.007 | 0.008 | 0.020 | 0.020 | 0.3 | No |
| R3 | 30' | 0.002 | 0.027 | 0.058 | 0.068 | 0.160 | 0.160 | 0.3 | No |
| R4 | 272' | 0.000 | 0.001 | 0.002 | 0.002 | 0.006 | 0.006 | 0.3 | No |

[1] Construction noise source and receiver locations are shown on Exhibit 8-A.
[2] Distance from receiver building facade to Project construction boundary (Project site boundary).
[3] Based on the Vibration Source Levels of Construction Equipment (Table 8-4).
[4] Caltrans Transportation and Construction Vibration Guidance Manual, April 2020, Table 19, p. 38.
[5] Does the peak vibration exceed the acceptable vibration thresholds?
"PPV" = Peak Particle Velocity

Moreover, the impacts at the site of the nearest sensitive receiver locations are unlikely to be sustained during the entire construction period but will occur rather only during the times that heavy construction equipment is operating adjacent to the Project site perimeter.

# 9 REFERENCES


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13. —. *Municipal Code, Sections 15.04.030.*
14. —. *General Plan Update Draft Environmental Impact Report.* 2005.
15. **California Department of Transportation.** *Transportation and Construction Vibration Guidance Manual.* April 2020.
16. **California Court of Appeal.** *Gray v. County of Madera, F053661.* 167 Cal.App.4th 1099; - Cal.Rptr.3d, October 2008.
17. **Federal Interagency Committee on Noise.** *Federal Agency Review of Selected Airport Noise Analysis Issues.* August 1992.
18. **California Department of Transportation.** *Technical Noise Supplement.* November 2009.
19. **American National Standards Institute (ANSI).** *Specification for Sound Level Meters ANSI S1.4-2014/IEC 61672-1:2013.*
20. **City of Perris.** *Municipal Code, Chapter 7.34 Noise Control.*
21. **U.S. Department of Transportation, Federal Highway Administration, Office of Environment and Planning.** *FHWA Roadway Construction Noise Model.* January, 2006.

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# 10 CERTIFICATION

The contents of this noise study report represent an accurate depiction of the noise environment and impacts associated with the proposed AHC-Skilled Nursing Facility Project. The information contained in this noise study report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 584-3148.

Bill Lawson, P.E., INCE
Principal
URBAN CROSSROADS, INC.
1133 Camelback #8329
Newport Beach, CA 92658
(949) 581-3148
blawson@urbanxroads.com


**EDUCATION**

Master of Science in Civil and Environmental Engineering
California Polytechnic State University, San Luis Obispo • December, 1993

Bachelor of Science in City and Regional Planning
California Polytechnic State University, San Luis Obispo • June, 1992

**PROFESSIONAL REGISTRATIONS**

PE – Registered Professional Traffic Engineer – TR 2537 • January, 2009
AICP – American Institute of Certified Planners – 013011 • June, 1997–January 1, 2012
PTP – Professional Transportation Planner • May, 2007 – May, 2013
INCE – Institute of Noise Control Engineering • March, 2004

**PROFESSIONAL AFFILIATIONS**

ASA – Acoustical Society of America
ITE – Institute of Transportation Engineers

**PROFESSIONAL CERTIFICATIONS**

Certified Acoustical Consultant – County of San Diego • March, 2018
Certified Acoustical Consultant – County of Orange • February, 2011
FHWA-NHI-142051 Highway Traffic Noise Certificate of Training • February, 2013

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# APPENDIX 3.1:

# CITY OF RANCHO MIRAGE MUNICIPAL CODE

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## Chapter 8.45 NOISE

### 8.45.010 Purpose.

The city has established a quality of life and environment in which peace and quiet is highly valued by its residents, visitors and businesses. The existence of excessive noise within the city is a condition which is detrimental to the health, safety, comfort, welfare and quality of life of the citizenry and shall be regulated in the public interest. This chapter has been created to implement the goals and policies of the noise element of the city's general plan and to prohibit undesirable noises in the community. This chapter shall be referred to and cited as the Rancho Mirage noise ordinance. (Ord. 633 § 1(Exh. A), 1995)

### 8.45.020 Definitions.

Ambient noise level means the all encompassing noise level associated with a given environment, being a composite of sounds from all sources, excluding the alleged offensive noise, at the location and approximate time at which a comparison with the alleged offensive noise is to be made.

Cumulative period means an additive period of time consisting of individual time segments which may be continuous or interrupted.

Decibel (dBA) means a unit of sound level measured on a sound level meter using the A-weighting network.

Emergency means any occurrence or set of circumstances involving actual or imminent physical danger, crisis, trauma or property damage which demands immediate action.

Noise level means the same as sound level the terms are interchangeable.

Person means any individual, association, partnership, corporation, organization, or public agency, including associated officer(s), employee(s) or department(s).

Sound level means the quantity of decibels measured using the frequency weighting of A of a sound level meter.

Sound level meter means an instrument meeting the American National Standards Institute's standard S1.4-1983 or later revision, for Type 1 or Type 2 specifications; or an instrument and the associated recording and analyzing equipment which will provide equivalent data. (Ord. 633 § 1(Exh. A), 1995)

### 8.45.030 Exterior noise level limits.

No person shall operate or cause to be operated any source of sound or allow the creation of sound or noise on property owned, leased, occupied or otherwise controlled by such person which causes the noise level, as measured on any other property, to exceed:

A. The noise level for the applicable zone specified in Table A-1 for a cumulative period of more than thirty minutes in any hour of the applicable time period.

**Table A-1**

| Land Use/Zone | Time of Day | Noise Level (dBA) |
|---|---|---|
| Residential, Low Density (R-E, H-R, R-L-2, R-L-3) | 7:00 a.m. to 6:00 p.m. | 55 |
| | 6:00 p.m. to 10:00 p.m. | 50 |
| | 10:00 p.m. to 7:00 a.m. | 45 |
| Residential, Medium and High Density, Hospital, Open Space (OS, R-M, R-H, MHP) | 7:00 a.m. to 6:00 p.m. | 60 |
| | 6:00 p.m. to 10:00 p.m. | 55 |

| | | |
|---|---|---|
| | 10:00 p.m. to 7:00 a.m. | 50 |
| Commercial Office, Resort Commercial, Mixed Use, Institutional (O, P, Rs-H, M-U) | 7:00 a.m. to 6:00 p.m.<br>6:00 p.m. to 10:00 p.m.<br>10:00 p.m. to 7:00 a.m. | 65<br>60<br>55 |
| Commercial Neighborhood, General Commercial, Commercial Recreation, Light Industrial (C-N, C-G, I-L) | 7:00 a.m. to 6:00 p.m.<br>6:00 p.m. to 10:00 p.m.<br>10:00 p.m. to 7:00 a.m. | 70<br>65<br>60 |

B. For cumulative periods of time less than thirty minutes in an hour, all the noise standards in Table A-1 are increased according to Table B-1.

**Table B-1**

| Duration of Sound | dBA Adjustment |
|---|---|
| 15—30 minutes per hour | + 3 |
| 10—15 minutes per hour | + 5 |
| 5—10 minutes per hour | + 10 |
| 1—5 minutes per hour | + 15 |
| Any period of time less than 1 minute per hour | + 20 |

C. If the measured ambient noise level exceeds the dBA limits in Table A-1, the noise limits and their adjustments for the first three categories in Table B-1 shall be increased in five dBA increments as needed to encompass or reflect said ambient noise level. The maximum noise level under the last two categories in Table B-1 shall be increased, if necessary, only to equal the ambient noise level. (Ord. 1015 § 2, 2011; Ord. 633 § 1(Exh. A), 1995)

## 8.45.040 Noise level measurement.

A. The location selected for measuring exterior noise levels shall be at the point of the property line of the affected property nearest the alleged offending noise source. If possible, the ambient noise shall be measured at the same location along the property line.

B. If the measurement location is on a boundary between two different locations, the noise level limit applicable to the lower noise zone shall apply.

C. Upon receipt of a complaint or a request to investigate, the code compliance officer, equipped with an American National Standards Institute Type 2 or better sound level meter, may investigate the complaint. The investigation shall consist of measurements and the gathering of data to adequately define the noise problem and shall include the following:

1. Type and measurement of noise source;
2. Location of noise source relative to complainant’s or affected property;
3. Time period during which noise source is considered to be intrusive;
4. Total duration of noise levels measured;
5. Date(s) and time(s) of noise measurement survey. (Ord. 633 § 1(Exh. A), 1995)

## 8.45.050 Special provisions and exemptions.

The following activities and noise sources shall be exempted from the provisions of this chapter:

A. School bands, school athletic and other activities occurring on a school campus;

B. Outdoor gatherings, dance, shows, entertainment for events authorized through the city's special events process;

C. Activities conducted in public parks and public playgrounds that are dependent upon such facilities for their operation;

D. Any emission of sound for purposes of alerting persons to an emergency or the general emission of sound during performance of emergency work;

E. Construction, alteration, repair, grading or improvement of any building, structure, road or improvement to real property for which a permit has been issued by the city if said construction occurs within the allowable hours set forth in Section 15.04.030(A)(10);

F. The operation of any equipment and machinery at any time within any zone by the city, its employees, or any agent or franchisee of the city in the course of performing maintenance, construction or trash collection. (Ord. 633 § 1(Exh. A), 1995)

## 8.45.060 Additional prohibition.

It is unlawful and a nuisance for any person to keep, maintain or permit upon any lot or parcel of land within the city under his or her control any animal, including any fowl, which by any sound or cry shall habitually disturb the peace and comfort of any person in the reasonable and comfortable enjoyment of life or property. (Ord. 633 § 1(Exh. A), 1995)

## 8.45.065 Landscape maintenance.

A. It is unlawful and a public nuisance for any person to permit or perform for-hire landscape and non- emergency exterior hardscape maintenance activities such as, but not limited to, tree trimming, re-seeding, lawn mowing, leaf blowing, dust and debris clearing and any other landscaping or nonemergency exterior hardscape maintenance activities which utilize any motorized saw, sander, drill, grinder, leaf-blower, lawnmower, hedge trimmer, edger, or any other similar tool or device any time on Saturday and Sunday and between the hours of six p.m. and seven a.m. the next day during weekdays, unless otherwise provided in this section.

B. The regular mowing or grooming of golf courses, grass tennis courts, grass croquet courts, and lawn bowling areas shall be exempt from the restrictions set forth in this section. The allowed work hours for mowing or green preparation for golf courses, grass tennis courts, grass croquet courts, and lawn bowling areas shall be between five thirty a.m. and seven p.m., seven days per week and during all seasons of the year.

C. Nothing set forth in this section shall permit any person from engaging in any activities that exceed the exterior noise level limits set forth in Section 8.45.030 or otherwise constitute a public nuisance as set forth in Section 14.60.325 of the Municipal Code. (Ord. 979, § 1, 2009; Ord. 936, § 3, 2006)

## 8.45.070 Administration.

The noise control program established by this chapter shall be administered by and is the responsibility of the code compliance division as directed by the director of the community development department. (Ord. 633 § 1(Exh. A), 1995)

## 8.45.080 Violations and enforcement procedures.

Violations of this chapter are declared to be a nuisance and subject to the procedures, remedies and penalties set forth in Title 14. (Ord. 916 §4, 2006; Ord. 633 § 1(Exh. A), 1995)

## 15.04.030 Adoption, modifications, amendments and deletions to Chapter 1 of the Building Code.

A. Except as otherwise provided in this chapter, the California Building Code, Title 24, California Code of Regulations, Part 2, Volume 1, Chapter 1, Division II, "Scope and Administration," including any and all amendments thereto that may hereafter be made and adopted by the state of California, is hereby adopted as the Administrative Code of the city. This administrative chapter shall apply to all codes listed in this title.

1. Section 101.1 is deleted in its entirety.

2. Section 101.5 is added to define the term "Holiday" and shall read as follows:

**101.5 Holidays.** "Holiday" as used in the Building Code shall mean New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas.

3. Section 102.2 is amended to read as follows:

**102.2 Other laws.** The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law. In the event of discrepancies between this chapter and Chapter 1, General Code Provision, the latter shall take precedence.

4. Section 103.1 is amended to read as follows:

**103.1 Creation of enforcement agency.** There is established within the City, a division of the Administrative Services Department to be known as the "Building and Safety Division" which shall be under the administrative and operational control of the City Building Official hereinafter referred to as the building official.

5. Section 105.2 is amended by adding a new exemption to the list of structures for which a permit shall not be required:

14. Masonry freestanding block walls not over 30″ above grade.

(The other provisions of Section 105.2 remain the same)

6. Section 105.5 is amended to read as follows:

**105.5 Expiration.** Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

**Exception:** For residential occupancies a permit shall remain valid for the purposes of this part if the work on the site authorized by that permit is commenced within 12 months after its issuance, unless the permittee has abandoned the work authorized by the permit.

7. Section 109.1 is amended to read as follows:

**109.1 Payment of fees.** On buildings, structures, electrical, gas, mechanical, and plumbing systems or alterations requiring a permit under this Building Code, a fee for each permit shall be paid as required, in accordance with the fees set forth in the City of Rancho Mirage Master Fee Schedule, a copy of which is on file with the Division of Building and Safety.

8. Section 113.4 is added to provide for the filing of appeals and shall read as follows:

**113.4 Filing of appeals.** All appeals shall be made in writing and shall specify the order, decision or determination made by the building official which is being appealed and wherein the building official erred in making the order, decision or determination. The appeal shall be accompanied by a fee as established by the City Council. If, after reviewing the information submitted, the building official determines the appeal does not merit a change in his or her order, decision, or determination, the building official shall schedule a hearing by the Appeals Board and the appellant shall be notified in writing of the date and time of the hearing.

9. Section 114 is amended to read as follows:

**Section 114 VIOLATIONS.**

**114.1 Unlawful acts.** It shall be unlawful for any person, firm, or corporation to erect, construct, alter, extend, repair, move, remove, demolish or occupy any building, structure or equipment regulated by this code, or to cause the same to be done, in conflict with or in violation of any provisions of this code. It shall be unlawful for any person to erect, construct, alter or repair a building or structure in violation of the approved construction documents or directive of the building official or of a permit or certificate issued under the provisions of this code.

**114.2 Public nuisance; Abatement.** Any violation of this Building Code, including the adopted appendices, is a public nuisance and may be abated in accordance with Title 14 of the City's Municipal Code.

**114.3 Penalties.** Any person who violates a provision of this Building Code, including the adopted appendices, or fails to comply with any of the requirements thereof or who erects, constructs, alters or repairs a building or structure in violation of the approved construction documents or directive of the building official, or of a permit or certificate issued under the provisions of this Building Code shall be guilty of an infraction violation, and the violator shall be subject to the provisions set forth in Chapter 14.100 (Infractions) of the City's Municipal Code, including, but not limited to, the imposition of any and all civil and criminal penalties set forth therein.

10. Section 116 is amended to read as follows:

**Section 116 UNSAFE STRUCTURES AND EQUIPMENT.**

**116.1 Conditions.** Structures or existing equipment that are or hereafter become unsafe, unsanitary or deficient because of inadequate means of egress facilities, inadequate light and ventilation, or which constitute a fire hazard, or are otherwise dangerous to human life or the public welfare, or that involve illegal or improper occupancy or inadequate maintenance shall be deemed an unsafe condition.

**116.1.1 Unlawful acts.** It shall be unlawful for any person, firm, or corporation to maintain as unsafe structures or equipment regulated by this code, or cause the same to be done in conflict with or in violation of any provisions of this

code.

11. Section 117 is added to limit the hours of construction work and shall read as follows:

**Section 117 HOURS OF WORK.**

**117.1. Restricted hours; Construction work.** Except as otherwise provided herein, no person other than the person actually occupying any buildings to be altered, repaired or improved, shall be engaged or employed, nor shall any person cause any other person to be engaged or employed in any work of construction, erection, alteration, repair, addition to or improvement of any building, structure, road or improvement to realty, between the hours of seven p.m. of each day and seven a.m. of the next succeeding day or on Sundays and holidays, without written permission of the Building Official being first obtained. The Building Official may grant permission to work during those periods under appropriate circumstances after first having determined that such work will not unduly or unreasonably interfere with the peaceful enjoyment of property adjacent to such work.

**117.2 Restricted hours; Landscape maintenance.** Within gated communities, shopping centers, commercial centers, vacant residential or commercial parcels, or developed residential or commercial parcels, landscape activities such as leaf blowing, tree trimming, re-seeding, or mowing of grass as associated with the re-seeding process and any other landscaping activities which generate unusual noise, are prohibited between the hours of seven p.m. of each day and seven a.m. of the next succeeding day or on Sundays or on holidays.

**117.3 Restricted hours; Golf courses.** In order to assure the excellence and readiness of golf courses within the City, mowing and green preparation of golf courses is permitted between 5:30 a.m. and 7 p.m., seven days per week and during all seasons of the year.

12. Section 118 is added to require removal and disposal of trash and debris at building sites and shall read as follows:

**Section 118 REMOVAL AND DISPOSAL OF TRASH AND DEBRIS.**

**118.1 Required removal.** Any person to whom a building permit has been issued shall keep the building site free and clear of trash and debris. As used in this section, trash and debris shall include papers, cartons, bottles, cans, garbage, roofing materials, plaster, concrete and other substances that may accumulate as a result of construction activities.

**118.2 Container.** A trash container shall be located on every construction site and shall remain in place until construction is completed. The container shall be adequate in size to store the trash and debris generated on the building site until it can be removed.

**118.3 Disposal.** Trash and debris shall be removed from the site and transported to a legally established dump site either by the City's refuse contractor or the permittee.

(Ord. 1161 § 3, 2019; Ord. 1109 § 3, 2016; Ord. 1075 § 2, 2013; Ord. 1051 § 1, 2012; Ord. 1001 § 2, 2010; Ord. 973 § 1, 2009; Ord. 961 § 2, 2007)

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# APPENDIX 5.1:

# STUDY AREA PHOTOS

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# JN:15548

15548_L1_B 1.North
33, 47' 21.200000"116, 24' 18.540000"

15548_L1_B 2.South
33, 47' 21.170000"116, 24' 18.460000"

15548_L1_B 3.East
33, 47' 21.190000"116, 24' 18.440000"

15548_L1_B 4.West
33, 47' 21.310000"116, 24' 18.520000"

# JN:15548

15548_L2_D 1.North
33, 47' 20.710000"116, 24' 15.940000"

15548_L2_D 2.South
33, 47' 20.580000"116, 24' 15.830000"

15548_L2_D 3.East
33, 47' 20.540000"116, 24' 15.800000"

15548_L2_D 4.West
33, 47' 20.640000"116, 24' 15.910000"

# JN:15548

15548_L3_E 1.North
33, 47' 18.730000"116, 24' 16.570000"

15548_L3_E 2.South
33, 47' 18.670000"116, 24' 16.590000"

15548_L3_E 3.East
33, 47' 18.660000"116, 24' 16.570000"

15548_L3_E 4.West
33, 47' 18.590000"116, 24' 16.540000"


15548_L4_F 1.North
33, 47' 17.490000"116, 24' 20.800000"

15548_L4_F 2.South
33, 47' 17.550000"116, 24' 20.880000"

15548_L4_F 3.East
33, 47' 17.560000"116, 24' 20.880000"

15548_L4_F 4.West
33, 47' 17.560000"116, 24' 20.910000"

# APPENDIX 5.2:

# NOISE LEVEL MEASUREMENT WORKSHEETS

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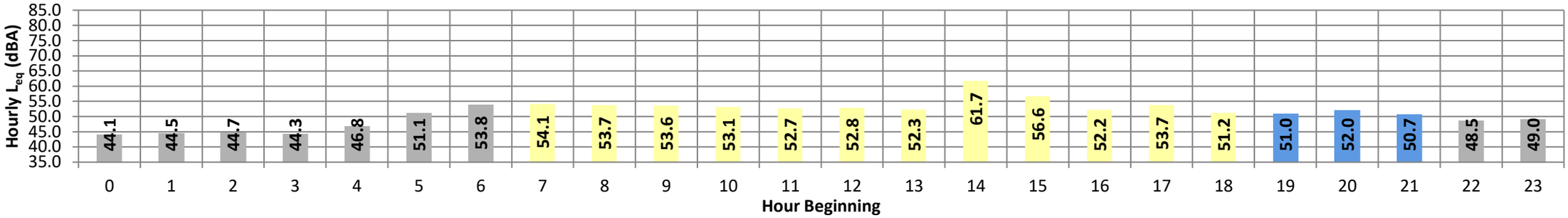
# 24-Hour Noise Level Measurement Summary

*Date:* Wednesday, June 28, 2023 *Location:* L1 - Located north of the site near the medical building at *Meter:* Piccolo II *JN:* 15548

*Project:* Advanced Healthcare *Source:* 35900 Bob Hope Dr. *Analyst:* Z. Ibrahim

***Hourly $L_{eq}$ dBA Readings (unadjusted)***




| Timeframe | Hour | $L_{eq}$ | $L_{max}$ | $L_{min}$ | L1% | L2% | L5% | L8% | L25% | L50% | L90% | L95% | L99% | $L_{eq}$ | Adj. | Adj. $L_{eq}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Night | 0 | 44.1 | 53.2 | 35.6 | 52.8 | 52.3 | 50.7 | 49.2 | 43.8 | 39.6 | 36.7 | 36.2 | 35.8 | 44.1 | 10.0 | 54.1 |
| | 1 | 44.5 | 54.1 | 36.6 | 53.7 | 53.2 | 51.5 | 49.5 | 43.6 | 40.4 | 37.5 | 37.1 | 36.7 | 44.5 | 10.0 | 54.5 |
| | 2 | 44.7 | 53.7 | 37.6 | 53.4 | 53.0 | 51.0 | 49.5 | 44.5 | 41.3 | 38.5 | 38.1 | 37.7 | 44.7 | 10.0 | 54.7 |
| | 3 | 44.3 | 51.5 | 38.0 | 51.3 | 50.8 | 49.7 | 48.7 | 44.8 | 41.9 | 39.0 | 38.5 | 38.1 | 44.3 | 10.0 | 54.3 |
| | 4 | 46.8 | 53.8 | 40.1 | 53.5 | 53.1 | 52.0 | 51.1 | 47.7 | 44.7 | 41.2 | 40.7 | 40.3 | 46.8 | 10.0 | 56.8 |
| | 5 | 51.1 | 58.0 | 43.9 | 57.5 | 57.1 | 56.0 | 55.1 | 52.2 | 49.1 | 45.2 | 44.6 | 44.0 | 51.1 | 10.0 | 61.1 |
| | 6 | 53.8 | 61.9 | 46.8 | 61.2 | 60.7 | 59.0 | 57.5 | 54.4 | 51.9 | 48.3 | 47.6 | 47.0 | 53.8 | 10.0 | 63.8 |
| Day | 7 | 54.1 | 62.0 | 47.2 | 61.6 | 61.0 | 59.4 | 58.0 | 54.5 | 52.3 | 48.7 | 48.0 | 47.4 | 54.1 | 0.0 | 54.1 |
| | 8 | 53.7 | 60.2 | 47.5 | 59.8 | 59.3 | 58.1 | 57.3 | 54.5 | 52.2 | 49.0 | 48.4 | 47.8 | 53.7 | 0.0 | 53.7 |
| | 9 | 53.6 | 60.2 | 48.4 | 59.8 | 59.2 | 57.7 | 56.7 | 54.3 | 52.5 | 49.6 | 49.1 | 48.6 | 53.6 | 0.0 | 53.6 |
| | 10 | 53.1 | 61.9 | 46.7 | 61.3 | 60.4 | 58.3 | 56.9 | 53.5 | 50.9 | 47.8 | 47.3 | 46.8 | 53.1 | 0.0 | 53.1 |
| | 11 | 52.7 | 60.3 | 45.7 | 59.9 | 59.5 | 57.9 | 57.0 | 53.2 | 50.5 | 46.9 | 46.4 | 45.8 | 52.7 | 0.0 | 52.7 |
| | 12 | 52.8 | 63.0 | 46.1 | 62.1 | 60.8 | 57.8 | 56.0 | 53.0 | 50.6 | 47.2 | 46.7 | 46.2 | 52.8 | 0.0 | 52.8 |
| | 13 | 52.3 | 59.8 | 46.0 | 59.4 | 58.9 | 57.4 | 56.3 | 52.9 | 50.6 | 47.1 | 46.5 | 46.1 | 52.3 | 0.0 | 52.3 |
| | 14 | 61.7 | 70.7 | 48.3 | 70.0 | 69.5 | 68.2 | 66.8 | 62.4 | 58.3 | 50.5 | 49.2 | 48.6 | 61.7 | 0.0 | 61.7 |
| | 15 | 56.6 | 67.7 | 44.2 | 67.4 | 66.9 | 64.7 | 61.4 | 53.9 | 50.3 | 45.8 | 45.1 | 44.4 | 56.6 | 0.0 | 56.6 |
| | 16 | 52.2 | 60.2 | 44.4 | 59.8 | 59.2 | 57.7 | 56.5 | 52.7 | 50.2 | 46.0 | 45.3 | 44.6 | 52.2 | 0.0 | 52.2 |
| | 17 | 53.7 | 63.8 | 44.0 | 63.3 | 62.6 | 60.7 | 59.0 | 52.4 | 50.0 | 45.4 | 44.8 | 44.2 | 53.7 | 0.0 | 53.7 |
| | 18 | 51.2 | 58.4 | 43.7 | 58.0 | 57.6 | 56.3 | 55.1 | 52.1 | 49.4 | 45.1 | 44.5 | 43.8 | 51.2 | 0.0 | 51.2 |
| Evening | 19 | 51.0 | 59.6 | 42.6 | 59.2 | 58.6 | 56.8 | 55.4 | 51.6 | 48.2 | 43.9 | 43.3 | 42.8 | 51.0 | 5.0 | 56.0 |
| | 20 | 52.0 | 61.0 | 45.2 | 60.6 | 59.8 | 57.7 | 55.8 | 52.0 | 49.5 | 46.5 | 46.0 | 45.4 | 52.0 | 5.0 | 57.0 |
| | 21 | 50.7 | 61.4 | 41.6 | 60.9 | 60.2 | 57.3 | 55.6 | 49.5 | 46.4 | 42.7 | 42.2 | 41.7 | 50.7 | 5.0 | 55.7 |
| Night | 22 | 48.5 | 58.1 | 40.3 | 57.4 | 56.7 | 54.6 | 52.6 | 48.4 | 45.2 | 41.5 | 41.0 | 40.5 | 48.5 | 10.0 | 58.5 |
| | 23 | 49.0 | 58.9 | 40.1 | 58.7 | 58.3 | 56.2 | 54.1 | 47.7 | 44.5 | 41.3 | 40.8 | 40.2 | 49.0 | 10.0 | 59.0 |

| Timeframe | Hour | $L_{eq}$ | $L_{max}$ | $L_{min}$ | L1% | L2% | L5% | L8% | L25% | L50% | L90% | L95% | L99% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | Min | 51.2 | 58.4 | 43.7 | 58.0 | 57.6 | 56.3 | 55.1 | 52.1 | 49.4 | 45.1 | 44.5 | 43.8 |
| | Max | 61.7 | 70.7 | 48.4 | 70.0 | 69.5 | 68.2 | 66.8 | 62.4 | 58.3 | 50.5 | 49.2 | 48.6 |
| Energy Average | | 55.2 | Average: | | 61.9 | 61.2 | 59.5 | 58.1 | 54.1 | 51.5 | 47.4 | 46.8 | 46.2 |
| Evening | Min | 50.7 | 59.6 | 41.6 | 59.2 | 58.6 | 56.8 | 55.4 | 49.5 | 46.4 | 42.7 | 42.2 | 41.7 |
| | Max | 52.0 | 61.4 | 45.2 | 60.9 | 60.2 | 57.7 | 55.8 | 52.0 | 49.5 | 46.5 | 46.0 | 45.4 |
| Energy Average | | 51.3 | Average: | | 60.2 | 59.5 | 57.3 | 55.6 | 51.0 | 48.0 | 44.4 | 43.8 | 43.3 |
| Night | Min | 44.1 | 51.5 | 35.6 | 51.3 | 50.8 | 49.7 | 48.7 | 43.6 | 39.6 | 36.7 | 36.2 | 35.8 |
| | Max | 53.8 | 61.9 | 46.8 | 61.2 | 60.7 | 59.0 | 57.5 | 54.4 | 51.9 | 48.3 | 47.6 | 47.0 |
| Energy Average | | 48.7 | Average: | | 55.5 | 55.0 | 53.4 | 51.9 | 47.5 | 44.3 | 41.0 | 40.5 | 40.0 |

| $L_{eq}$ (dBA) | | |
|---|---|---|
| Daytime (7am-7pm) | Evening (7pm-10pm) | Nighttime (10pm-7am) |
| 55.2 | 51.3 | 48.7 |

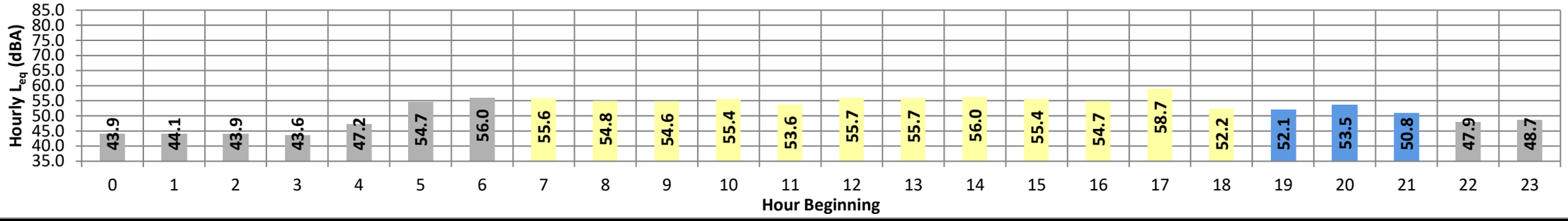
| 24-Hour |
|---|
| 53.2 |

# 24-Hour Noise Level Measurement Summary

*Date:* Wednesday, June 28, 2023 *Location:* L2 - Located northeast of the site near the residence at 35 *Meter:* Piccolo II *JN:* 15548

*Project:* Advanced Healthcare *Source:* Alicante Cir. *Analyst:* Z. Ibrahim

***Hourly $L_{eq}$ dBA Readings (unadjusted)***




| Timeframe | Hour | $L_{eq}$ | $L_{max}$ | $L_{min}$ | L1% | L2% | L5% | L8% | L25% | L50% | L90% | L95% | L99% | $L_{eq}$ | Adj. | Adj. $L_{eq}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Night | 0 | 43.9 | 53.3 | 37.5 | 52.8 | 52.0 | 49.7 | 48.1 | 43.6 | 41.2 | 38.4 | 38.0 | 37.6 | 43.9 | 10.0 | 53.9 |
| | 1 | 44.1 | 53.4 | 38.1 | 52.8 | 51.8 | 49.9 | 48.4 | 43.9 | 41.3 | 38.9 | 38.6 | 38.2 | 44.1 | 10.0 | 54.1 |
| | 2 | 43.9 | 52.2 | 38.7 | 51.7 | 50.9 | 49.0 | 47.6 | 44.0 | 41.8 | 39.6 | 39.2 | 38.8 | 43.9 | 10.0 | 53.9 |
| | 3 | 43.6 | 51.1 | 38.8 | 50.6 | 50.0 | 48.3 | 47.1 | 44.0 | 41.8 | 39.7 | 39.3 | 38.9 | 43.6 | 10.0 | 53.6 |
| | 4 | 47.2 | 55.5 | 41.2 | 55.2 | 54.7 | 52.9 | 51.3 | 47.3 | 45.0 | 42.0 | 41.7 | 41.3 | 47.2 | 10.0 | 57.2 |
| | 5 | 54.7 | 65.9 | 45.4 | 65.3 | 64.2 | 61.5 | 60.3 | 52.5 | 50.0 | 46.9 | 46.4 | 45.5 | 54.7 | 10.0 | 64.7 |
| | 6 | 56.0 | 65.0 | 48.7 | 64.6 | 64.0 | 61.9 | 60.0 | 55.8 | 53.4 | 50.3 | 49.6 | 48.9 | 56.0 | 10.0 | 66.0 |
| Day | 7 | 55.6 | 64.9 | 47.4 | 64.6 | 64.0 | 62.0 | 60.1 | 55.3 | 52.0 | 48.6 | 48.0 | 47.5 | 55.6 | 0.0 | 55.6 |
| | 8 | 54.8 | 64.5 | 44.3 | 64.0 | 63.6 | 61.8 | 60.1 | 54.3 | 49.9 | 45.7 | 45.1 | 44.5 | 54.8 | 0.0 | 54.8 |
| | 9 | 54.6 | 64.4 | 45.8 | 64.0 | 63.6 | 61.4 | 59.3 | 54.0 | 50.5 | 46.8 | 46.4 | 45.9 | 54.6 | 0.0 | 54.6 |
| | 10 | 55.4 | 66.5 | 43.1 | 66.2 | 65.7 | 63.0 | 60.6 | 53.2 | 48.9 | 44.2 | 43.7 | 43.2 | 55.4 | 0.0 | 55.4 |
| | 11 | 53.6 | 63.0 | 43.0 | 62.7 | 62.2 | 60.4 | 58.7 | 53.5 | 48.9 | 44.3 | 43.7 | 43.1 | 53.6 | 0.0 | 53.6 |
| | 12 | 55.7 | 65.0 | 48.1 | 64.7 | 64.2 | 62.5 | 60.7 | 55.2 | 51.8 | 49.2 | 49.0 | 48.2 | 55.7 | 0.0 | 55.7 |
| | 13 | 55.7 | 64.5 | 50.5 | 64.2 | 63.6 | 61.7 | 59.8 | 55.0 | 53.1 | 51.1 | 50.9 | 50.6 | 55.7 | 0.0 | 55.7 |
| | 14 | 56.0 | 66.6 | 45.7 | 66.3 | 65.9 | 63.6 | 61.3 | 54.0 | 49.9 | 46.9 | 46.4 | 45.9 | 56.0 | 0.0 | 56.0 |
| | 15 | 55.4 | 64.7 | 47.7 | 64.4 | 63.9 | 62.0 | 60.2 | 54.7 | 51.8 | 48.7 | 48.3 | 47.9 | 55.4 | 0.0 | 55.4 |
| | 16 | 54.7 | 64.7 | 45.7 | 64.3 | 63.7 | 61.6 | 59.5 | 53.9 | 50.6 | 47.0 | 46.4 | 45.9 | 54.7 | 0.0 | 54.7 |
| | 17 | 58.7 | 71.0 | 45.2 | 70.8 | 69.9 | 66.5 | 63.5 | 54.0 | 50.4 | 46.7 | 46.0 | 45.4 | 58.7 | 0.0 | 58.7 |
| | 18 | 52.2 | 60.2 | 44.9 | 59.8 | 59.3 | 57.8 | 56.5 | 52.5 | 50.1 | 46.2 | 45.6 | 45.0 | 52.2 | 0.0 | 52.2 |
| Evening | 19 | 52.1 | 60.9 | 44.7 | 60.6 | 60.1 | 58.0 | 56.3 | 52.2 | 49.1 | 45.7 | 45.2 | 44.7 | 52.1 | 5.0 | 57.1 |
| | 20 | 53.5 | 62.3 | 49.3 | 61.7 | 60.7 | 58.3 | 56.7 | 53.2 | 51.7 | 50.0 | 49.7 | 49.4 | 53.5 | 5.0 | 58.5 |
| | 21 | 50.8 | 63.0 | 43.1 | 62.1 | 60.7 | 56.7 | 54.5 | 49.4 | 46.8 | 44.0 | 43.6 | 43.2 | 50.8 | 5.0 | 55.8 |
| Night | 22 | 47.9 | 56.3 | 41.8 | 55.8 | 55.2 | 53.2 | 51.8 | 48.0 | 45.8 | 43.1 | 42.6 | 42.0 | 47.9 | 10.0 | 57.9 |
| | 23 | 48.7 | 59.6 | 41.4 | 58.9 | 57.8 | 54.9 | 52.4 | 47.5 | 45.1 | 42.4 | 42.0 | 41.6 | 48.7 | 10.0 | 58.7 |

| Timeframe | Hour | $L_{eq}$ | $L_{max}$ | $L_{min}$ | L1% | L2% | L5% | L8% | L25% | L50% | L90% | L95% | L99% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | Min | 52.2 | 60.2 | 43.0 | 59.8 | 59.3 | 57.8 | 56.5 | 52.5 | 48.9 | 44.2 | 43.7 | 43.1 |
| | Max | 58.7 | 71.0 | 50.5 | 70.8 | 69.9 | 66.5 | 63.5 | 55.3 | 53.1 | 51.1 | 50.9 | 50.6 |
| Energy Average | | 55.5 | Average: | | 64.7 | 64.1 | 62.0 | 60.0 | 54.1 | 50.7 | 47.1 | 46.6 | 46.1 |
| Evening | Min | 50.8 | 60.9 | 43.1 | 60.6 | 60.1 | 56.7 | 54.5 | 49.4 | 46.8 | 44.0 | 43.6 | 43.2 |
| | Max | 53.5 | 63.0 | 49.3 | 62.1 | 60.7 | 58.3 | 56.7 | 53.2 | 51.7 | 50.0 | 49.7 | 49.4 |
| Energy Average | | 52.3 | Average: | | 61.5 | 60.5 | 57.7 | 55.8 | 51.6 | 49.2 | 46.6 | 46.2 | 45.8 |
| Night | Min | 43.6 | 51.1 | 37.5 | 50.6 | 50.0 | 48.3 | 47.1 | 43.6 | 41.2 | 38.4 | 38.0 | 37.6 |
| | Max | 56.0 | 65.9 | 48.7 | 65.3 | 64.2 | 61.9 | 60.3 | 55.8 | 53.4 | 50.3 | 49.6 | 48.9 |
| Energy Average | | 50.3 | Average: | | 56.4 | 55.6 | 53.5 | 51.9 | 47.4 | 45.0 | 42.4 | 41.9 | 41.4 |

| $L_{eq}$ (dBA) | | |
|---|---|---|
| *Daytime (7am-7pm)* | *Evening (7pm-10pm)* | *Nighttime (10pm-7am)* |
| **55.5** | **52.3** | **50.3** |

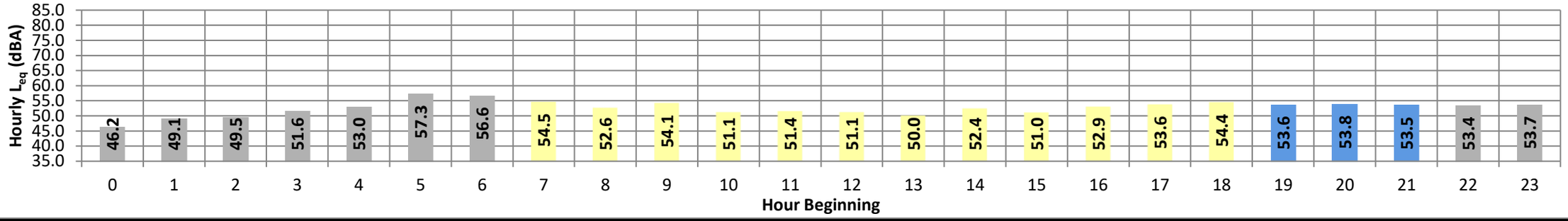
| *24-Hour* |
|---|
| **53.8** |

# 24-Hour Noise Level Measurement Summary

*Date:* Wednesday, June 28, 2023 *Location:* L3 - Located east of the site near the residence at 9 Cassis Cir. *Meter:* Piccolo II *JN:* 15548

*Project:* Advanced Healthcare *Source:* *Analyst:* Z. Ibrahim

***Hourly $L_{eq}$ dBA Readings (unadjusted)***




| Timeframe | Hour | $L_{eq}$ | $L_{max}$ | $L_{min}$ | L1% | L2% | L5% | L8% | L25% | L50% | L90% | L95% | L99% | $L_{eq}$ | Adj. | Adj. $L_{eq}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Night | 0 | 46.2 | 53.1 | 39.4 | 52.7 | 52.3 | 51.2 | 50.4 | 47.2 | 44.3 | 40.6 | 40.2 | 39.5 | 46.2 | 10.0 | 56.2 |
| | 1 | 49.1 | 57.4 | 40.5 | 56.9 | 56.3 | 54.7 | 53.4 | 49.5 | 46.7 | 42.2 | 41.5 | 40.7 | 49.1 | 10.0 | 59.1 |
| | 2 | 49.5 | 57.6 | 41.5 | 57.1 | 56.4 | 54.8 | 53.6 | 50.3 | 47.3 | 43.0 | 42.2 | 41.6 | 49.5 | 10.0 | 59.5 |
| | 3 | 51.6 | 60.2 | 41.9 | 59.8 | 59.3 | 57.4 | 56.1 | 51.9 | 48.5 | 44.0 | 43.0 | 42.2 | 51.6 | 10.0 | 61.6 |
| | 4 | 53.0 | 62.0 | 44.1 | 61.5 | 60.9 | 58.8 | 57.0 | 53.3 | 50.4 | 45.9 | 45.2 | 44.3 | 53.0 | 10.0 | 63.0 |
| | 5 | 57.3 | 66.6 | 47.9 | 66.0 | 65.1 | 63.7 | 62.7 | 57.2 | 54.0 | 49.6 | 48.9 | 48.1 | 57.3 | 10.0 | 67.3 |
| | 6 | 56.6 | 62.6 | 51.5 | 62.1 | 61.7 | 60.6 | 59.7 | 57.4 | 55.7 | 52.7 | 52.1 | 51.7 | 56.6 | 10.0 | 66.6 |
| Day | 7 | 54.5 | 59.5 | 50.1 | 59.2 | 58.9 | 58.1 | 57.6 | 55.3 | 53.6 | 51.1 | 50.6 | 50.2 | 54.5 | 0.0 | 54.5 |
| | 8 | 52.6 | 58.1 | 48.2 | 57.8 | 57.6 | 56.5 | 55.8 | 53.5 | 51.4 | 49.2 | 48.8 | 48.4 | 52.6 | 0.0 | 52.6 |
| | 9 | 54.1 | 60.6 | 49.7 | 60.3 | 60.0 | 58.0 | 57.0 | 54.7 | 53.0 | 50.8 | 50.4 | 49.8 | 54.1 | 0.0 | 54.1 |
| | 10 | 51.1 | 56.3 | 47.5 | 55.9 | 55.5 | 54.6 | 53.8 | 51.7 | 50.2 | 48.3 | 47.9 | 47.6 | 51.1 | 0.0 | 51.1 |
| | 11 | 51.4 | 58.1 | 46.6 | 57.6 | 57.0 | 55.9 | 55.0 | 52.0 | 49.9 | 47.7 | 47.2 | 46.8 | 51.4 | 0.0 | 51.4 |
| | 12 | 51.1 | 56.1 | 45.7 | 55.8 | 55.5 | 54.8 | 54.1 | 52.3 | 50.4 | 46.6 | 46.2 | 45.8 | 51.1 | 0.0 | 51.1 |
| | 13 | 50.0 | 55.9 | 44.6 | 55.4 | 55.0 | 54.0 | 53.5 | 51.0 | 48.8 | 45.6 | 45.2 | 44.8 | 50.0 | 0.0 | 50.0 |
| | 14 | 52.4 | 61.8 | 44.7 | 61.4 | 60.8 | 58.7 | 57.1 | 51.8 | 49.2 | 45.9 | 45.3 | 44.8 | 52.4 | 0.0 | 52.4 |
| | 15 | 51.0 | 57.9 | 44.9 | 57.5 | 57.1 | 56.0 | 55.2 | 51.7 | 49.1 | 46.0 | 45.6 | 45.1 | 51.0 | 0.0 | 51.0 |
| | 16 | 52.9 | 59.6 | 46.7 | 59.1 | 58.5 | 57.0 | 56.3 | 54.0 | 51.6 | 48.1 | 47.5 | 46.8 | 52.9 | 0.0 | 52.9 |
| | 17 | 53.6 | 61.7 | 47.1 | 61.0 | 60.5 | 58.8 | 57.3 | 53.9 | 51.9 | 48.6 | 47.9 | 47.3 | 53.6 | 0.0 | 53.6 |
| | 18 | 54.4 | 61.8 | 47.8 | 61.1 | 60.4 | 59.0 | 58.1 | 55.3 | 53.0 | 49.3 | 48.6 | 47.9 | 54.4 | 0.0 | 54.4 |
| Evening | 19 | 53.6 | 60.9 | 46.5 | 60.4 | 59.7 | 58.3 | 57.4 | 54.5 | 51.8 | 48.2 | 47.5 | 46.7 | 53.6 | 5.0 | 58.6 |
| | 20 | 53.8 | 62.9 | 46.3 | 62.2 | 61.6 | 60.1 | 57.9 | 53.9 | 50.9 | 47.5 | 46.9 | 46.4 | 53.8 | 5.0 | 58.8 |
| | 21 | 53.5 | 61.0 | 45.9 | 60.6 | 60.1 | 59.1 | 58.1 | 53.9 | 51.2 | 47.7 | 47.0 | 46.1 | 53.5 | 5.0 | 58.5 |
| Night | 22 | 53.4 | 61.2 | 44.7 | 60.7 | 60.0 | 58.5 | 57.4 | 54.2 | 51.5 | 46.7 | 45.8 | 44.9 | 53.4 | 10.0 | 63.4 |
| | 23 | 53.7 | 62.7 | 44.5 | 62.2 | 61.4 | 59.2 | 58.0 | 54.0 | 50.9 | 46.4 | 45.6 | 44.8 | 53.7 | 10.0 | 63.7 |

| Timeframe | Hour | $L_{eq}$ | $L_{max}$ | $L_{min}$ | L1% | L2% | L5% | L8% | L25% | L50% | L90% | L95% | L99% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | Min | 50.0 | 55.9 | 44.6 | 55.4 | 55.0 | 54.0 | 53.5 | 51.0 | 48.8 | 45.6 | 45.2 | 44.8 |
| | Max | 54.5 | 61.8 | 50.1 | 61.4 | 60.8 | 59.0 | 58.1 | 55.3 | 53.6 | 51.1 | 50.6 | 50.2 |
| Energy Average | | 52.7 | Average: | | 58.5 | 58.1 | 56.8 | 55.9 | 53.1 | 51.0 | 48.1 | 47.6 | 47.1 |
| Evening | Min | 53.5 | 60.9 | 45.9 | 60.4 | 59.7 | 58.3 | 57.4 | 53.9 | 50.9 | 47.5 | 46.9 | 46.1 |
| | Max | 53.8 | 62.9 | 46.5 | 62.2 | 61.6 | 60.1 | 58.1 | 54.5 | 51.8 | 48.2 | 47.5 | 46.7 |
| Energy Average | | 53.6 | Average: | | 61.1 | 60.5 | 59.2 | 57.8 | 54.1 | 51.3 | 47.8 | 47.1 | 46.4 |
| Night | Min | 46.2 | 53.1 | 39.4 | 52.7 | 52.3 | 51.2 | 50.4 | 47.2 | 44.3 | 40.6 | 40.2 | 39.5 |
| | Max | 57.3 | 66.6 | 51.5 | 66.0 | 65.1 | 63.7 | 62.7 | 57.4 | 55.7 | 52.7 | 52.1 | 51.7 |
| Energy Average | | 53.5 | Average: | | 59.9 | 59.3 | 57.7 | 56.5 | 52.8 | 49.9 | 45.7 | 45.0 | 44.2 |

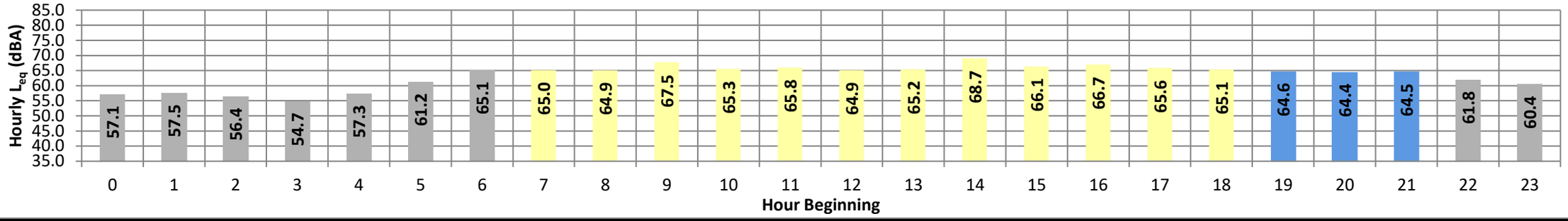
| | $L_{eq}$ (dBA) | | |
|---|---|---|---|
| | Daytime (7am-7pm) | Evening (7pm-10pm) | Nighttime (10pm-7am) |
| | 52.7 | 53.6 | 53.5 |
| 24-Hour | | 53.1 | |

# 24-Hour Noise Level Measurement Summary

*Date:* Wednesday, June 28, 2023 *Location:* L4 - Located west of the site *Meter:* Piccolo II *JN:* 15548

*Project:* Advanced Healthcare *Source:* *Analyst:* Z. Ibrahim

***Hourly $L_{eq}$ dBA Readings (unadjusted)***




| Timeframe | Hour | $L_{eq}$ | $L_{max}$ | $L_{min}$ | L1% | L2% | L5% | L8% | L25% | L50% | L90% | L95% | L99% | $L_{eq}$ | Adj. | Adj. $L_{eq}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Night | 0 | 57.1 | 67.8 | 40.8 | 67.5 | 67.0 | 64.7 | 62.7 | 55.7 | 49.4 | 42.5 | 41.7 | 41.0 | 57.1 | 10.0 | 67.1 |
| | 1 | 57.5 | 69.4 | 41.5 | 69.0 | 68.2 | 65.2 | 63.0 | 54.9 | 47.8 | 42.7 | 42.1 | 41.6 | 57.5 | 10.0 | 67.5 |
| | 2 | 56.4 | 67.6 | 41.6 | 67.3 | 66.7 | 64.1 | 61.6 | 54.4 | 48.4 | 42.9 | 42.3 | 41.7 | 56.4 | 10.0 | 66.4 |
| | 3 | 54.7 | 65.3 | 41.0 | 65.0 | 64.6 | 62.6 | 60.5 | 52.9 | 47.4 | 42.2 | 41.6 | 41.1 | 54.7 | 10.0 | 64.7 |
| | 4 | 57.3 | 66.8 | 45.0 | 66.6 | 66.1 | 64.2 | 62.4 | 57.4 | 53.0 | 46.5 | 45.9 | 45.1 | 57.3 | 10.0 | 67.3 |
| | 5 | 61.2 | 70.1 | 50.3 | 69.7 | 69.2 | 67.3 | 66.0 | 61.7 | 57.6 | 52.2 | 51.2 | 50.5 | 61.2 | 10.0 | 71.2 |
| | 6 | 65.1 | 74.0 | 54.6 | 73.7 | 73.3 | 71.4 | 69.7 | 65.3 | 61.9 | 56.1 | 55.4 | 54.7 | 65.1 | 10.0 | 75.1 |
| Day | 7 | 65.0 | 73.9 | 53.7 | 73.6 | 73.1 | 71.2 | 69.7 | 65.4 | 61.6 | 55.6 | 54.6 | 53.9 | 65.0 | 0.0 | 65.0 |
| | 8 | 64.9 | 73.7 | 53.1 | 73.4 | 72.8 | 70.9 | 69.7 | 65.5 | 61.7 | 55.2 | 54.2 | 53.3 | 64.9 | 0.0 | 64.9 |
| | 9 | 67.5 | 79.1 | 54.5 | 78.7 | 77.6 | 73.7 | 71.1 | 66.7 | 63.2 | 56.4 | 55.5 | 54.7 | 67.5 | 0.0 | 67.5 |
| | 10 | 65.3 | 75.0 | 52.6 | 74.5 | 73.5 | 71.3 | 69.8 | 66.2 | 61.5 | 54.8 | 53.6 | 52.8 | 65.3 | 0.0 | 65.3 |
| | 11 | 65.8 | 75.2 | 52.6 | 74.8 | 74.3 | 72.1 | 70.2 | 66.4 | 62.2 | 54.8 | 53.6 | 52.7 | 65.8 | 0.0 | 65.8 |
| | 12 | 64.9 | 73.3 | 51.4 | 73.1 | 72.6 | 71.0 | 69.8 | 65.9 | 61.4 | 53.8 | 52.6 | 51.6 | 64.9 | 0.0 | 64.9 |
| | 13 | 65.2 | 73.9 | 52.3 | 73.6 | 73.0 | 71.3 | 69.8 | 66.4 | 61.8 | 54.5 | 53.3 | 52.4 | 65.2 | 0.0 | 65.2 |
| | 14 | 68.7 | 80.4 | 53.2 | 79.9 | 79.2 | 75.8 | 72.3 | 67.3 | 64.1 | 56.1 | 54.5 | 53.4 | 68.7 | 0.0 | 68.7 |
| | 15 | 66.1 | 74.5 | 53.3 | 74.2 | 73.6 | 71.8 | 70.4 | 67.2 | 63.4 | 56.0 | 54.6 | 53.5 | 66.1 | 0.0 | 66.1 |
| | 16 | 66.7 | 75.6 | 52.7 | 75.2 | 74.5 | 72.3 | 70.8 | 68.0 | 63.9 | 55.3 | 53.9 | 53.0 | 66.7 | 0.0 | 66.7 |
| | 17 | 65.6 | 73.7 | 51.9 | 73.4 | 72.8 | 71.0 | 70.1 | 66.9 | 63.0 | 55.0 | 53.6 | 52.3 | 65.6 | 0.0 | 65.6 |
| | 18 | 65.1 | 74.6 | 51.7 | 74.4 | 73.8 | 71.6 | 69.7 | 65.5 | 61.1 | 54.2 | 53.0 | 51.9 | 65.1 | 0.0 | 65.1 |
| Evening | 19 | 64.6 | 75.1 | 49.9 | 74.8 | 73.9 | 71.3 | 69.4 | 64.6 | 58.7 | 52.1 | 51.1 | 50.1 | 64.6 | 5.0 | 69.6 |
| | 20 | 64.4 | 75.4 | 49.1 | 75.0 | 74.1 | 71.5 | 69.3 | 63.6 | 57.9 | 51.6 | 50.5 | 49.4 | 64.4 | 5.0 | 69.4 |
| | 21 | 64.5 | 76.9 | 47.3 | 76.4 | 75.5 | 71.9 | 69.5 | 61.8 | 55.8 | 49.4 | 48.4 | 47.5 | 64.5 | 5.0 | 69.5 |
| Night | 22 | 61.8 | 73.7 | 45.7 | 73.1 | 72.1 | 69.6 | 67.2 | 59.9 | 54.5 | 47.3 | 46.6 | 45.8 | 61.8 | 10.0 | 71.8 |
| | 23 | 60.4 | 71.4 | 45.2 | 71.1 | 70.4 | 68.1 | 66.0 | 58.9 | 53.2 | 47.2 | 46.3 | 45.4 | 60.4 | 10.0 | 70.4 |

| Timeframe | Hour | $L_{eq}$ | $L_{max}$ | $L_{min}$ | L1% | L2% | L5% | L8% | L25% | L50% | L90% | L95% | L99% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | Min | 64.9 | 73.3 | 51.4 | 73.1 | 72.6 | 70.9 | 69.7 | 65.4 | 61.1 | 53.8 | 52.6 | 51.6 |
| | Max | 68.7 | 80.4 | 54.5 | 79.9 | 79.2 | 75.8 | 72.3 | 68.0 | 64.1 | 56.4 | 55.5 | 54.7 |
| Energy Average | | 66.1 | Average: | | 74.9 | 74.2 | 72.0 | 70.3 | 66.5 | 62.4 | 55.1 | 53.9 | 53.0 |
| Evening | Min | 64.4 | 75.1 | 47.3 | 74.8 | 73.9 | 71.3 | 69.3 | 61.8 | 55.8 | 49.4 | 48.4 | 47.5 |
| | Max | 64.6 | 76.9 | 49.9 | 76.4 | 75.5 | 71.9 | 69.5 | 64.6 | 58.7 | 52.1 | 51.1 | 50.1 |
| Energy Average | | 64.5 | Average: | | 75.4 | 74.5 | 71.6 | 69.4 | 63.3 | 57.5 | 51.0 | 50.0 | 49.0 |
| Night | Min | 54.7 | 65.3 | 40.8 | 65.0 | 64.6 | 62.6 | 60.5 | 52.9 | 47.4 | 42.2 | 41.6 | 41.0 |
| | Max | 65.1 | 74.0 | 54.6 | 73.7 | 73.3 | 71.4 | 69.7 | 65.3 | 61.9 | 56.1 | 55.4 | 54.7 |
| Energy Average | | 60.2 | Average: | | 69.2 | 68.6 | 66.4 | 64.3 | 57.9 | 52.6 | 46.6 | 45.9 | 45.2 |

| $L_{eq}$ (dBA) | | |
|---|---|---|
| *Daytime (7am-7pm)* | *Evening (7pm-10pm)* | *Nighttime (10pm-7am)* |
| **66.1** | **64.5** | **60.2** |

| *24-Hour* |
|---|
| **64.4** |

# APPENDIX 7.1:

# CADNAA OPERATIONAL NOISE CALCULATIONS

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# 15548 - AHC Skilled Nursing Facility

**CadnaA Noise Prediction Model:** 15548-02.cna
**Date:** 03.08.23
**Analyst:** B. Lawson

## Calculation Configuration

| Configuration | |
|---|---|
| **Parameter** | **Value** |
| **General** | |
| **Max. Error (dB)** | **0.00** |
| **Max. Search Radius (#(Unit,LEN))** | **2000.01** |
| **Min. Dist Src to Rcvr** | **0.00** |
| **Partition** | |
| **Raster Factor** | **0.50** |
| **Max. Length of Section (#(Unit,LEN))** | **999.99** |
| **Min. Length of Section (#(Unit,LEN))** | **1.01** |
| **Min. Length of Section (%)** | **0.00** |
| **Proj. Line Sources** | **On** |
| **Proj. Area Sources** | **On** |
| **Ref. Time** | |
| **Daytime Penalty (dB)** | **0.00** |
| **Recr. Time Penalty (dB)** | **5.00** |
| **Night-time Penalty (dB)** | **10.00** |
| **DTM** | |
| **Standard Height (m)** | **0.00** |
| **Model of Terrain** | **Triangulation** |
| **Reflection** | |
| **max. Order of Reflection** | **2** |
| **Search Radius Src** | **100.00** |
| **Search Radius Rcvr** | **100.00** |
| **Max. Distance Source - Rcvr** | **1000.00 1000.00** |
| **Min. Distance Rvcr - Reflector** | **1.00 1.00** |
| **Min. Distance Source - Reflector** | **0.10** |
| **Industrial (ISO 9613)** | |
| **Lateral Diffraction** | **some Obj** |
| **Obst. within Area Src do not shield** | **On** |
| **Screening** | **Incl. Ground Att. over Barrier** |
| | **Dz with limit (20/25)** |
| **Barrier Coefficients C1,2,3** | **3.0 20.0 0.0** |
| **Temperature (#(Unit,TEMP))** | **10** |
| **rel. Humidity (%)** | **70** |
| **Ground Absorption G** | **0.50** |
| **Wind Speed for Dir. (#(Unit,SPEED))** | **3.0** |
| **Roads (TNM)** | |
| **Railways (FTA/FRA)** | |
| **Aircraft (???)** | |
| **Strictly acc. to AzB** | |

## Receiver Noise Levels

| Name | M. | ID | Level Lr | | | | Limit. Value | | | | Land Use | | | Height | | Coordinates | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Day | Eve | Night | CNEL | Day | Eve | Night | CNEL | Type | Auto | Noise Type | | | X | Y | Z |
| | | | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | | | | (ft) | | (ft) | (ft) | (ft) |
| R1 | | R1 | 46.5 | 44.5 | 41.9 | 49.6 | 65.0 | 60.0 | 55.0 | 0.0 | | | | 5.00 | a | 6514499.41 | 2230857.05 | 5.00 |
| R2 | | R2 | 44.3 | 39.9 | 37.4 | 45.8 | 55.0 | 50.0 | 45.0 | 0.0 | | | | 5.00 | a | 6514811.74 | 2230794.15 | 5.00 |
| R3 | | R3 | 38.2 | 37.7 | 35.7 | 42.9 | 55.0 | 50.0 | 45.0 | 0.0 | | | | 5.00 | a | 6514073.02 | 2230502.05 | 5.00 |
| R4 | | R4 | 52.5 | 46.0 | 43.7 | 52.8 | 55.0 | 50.0 | 45.0 | 0.0 | | | | 5.00 | a | 6514756.81 | 2230400.36 | 5.00 |

## Point Source(s)

| Name | M. | ID | Result. PWL | | | Lw / Li | | | Operating Time | | | Height | | Coordinates | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Day | Evening | Night | Type | Value | norm. | Day | Special | Night | | | X | Y | Z |
| | | | (dBA) | (dBA) | (dBA) | | | dB(A) | (min) | (min) | (min) | (ft) | | (ft) | (ft) | (ft) |
| POINTSOURCE | | AC01 | 88.9 | 88.9 | 88.9 | Lw | 88.9 | | 468.00 | 117.00 | 252.00 | 3.00 | g | 6514456.04 | 2230333.18 | 23.00 |
| POINTSOURCE | | AC02 | 88.9 | 88.9 | 88.9 | Lw | 88.9 | | 468.00 | 117.00 | 252.00 | 3.00 | g | 6514632.61 | 2230333.70 | 23.00 |
| POINTSOURCE | | AC03 | 88.9 | 88.9 | 88.9 | Lw | 88.9 | | 468.00 | 117.00 | 252.00 | 3.00 | g | 6514606.25 | 2230481.38 | 23.00 |
| POINTSOURCE | | AC04 | 88.9 | 88.9 | 88.9 | Lw | 88.9 | | 468.00 | 117.00 | 252.00 | 3.00 | g | 6514440.94 | 2230464.95 | 23.00 |
| POINTSOURCE | | AC05 | 88.9 | 88.9 | 88.9 | Lw | 88.9 | | 468.00 | 117.00 | 252.00 | 3.00 | g | 6514545.63 | 2230622.24 | 23.00 |
| POINTSOURCE | | CAR01 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514390.94 | 2230354.53 | 5.00 |
| POINTSOURCE | | CAR02 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514391.98 | 2230398.80 | 5.00 |
| POINTSOURCE | | CAR03 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514392.50 | 2230442.55 | 5.00 |
| POINTSOURCE | | CAR04 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514393.02 | 2230486.83 | 5.00 |
| POINTSOURCE | | CAR05 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514394.07 | 2230588.91 | 5.00 |
| POINTSOURCE | | CAR06 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514395.11 | 2230624.33 | 5.00 |
| POINTSOURCE | | CAR07 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514481.04 | 2230622.76 | 5.00 |
| POINTSOURCE | | CAR08 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514481.57 | 2230591.51 | 5.00 |
| POINTSOURCE | | CAR09 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514418.02 | 2230540.47 | 5.00 |
| POINTSOURCE | | CAR10 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514538.34 | 2230226.93 | 5.00 |
| POINTSOURCE | | CAR11 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514538.86 | 2230199.33 | 5.00 |

| Name | M. | ID | Result. PWL | | | Lw / Li | | | Operating Time | | | Height | | Coordinates | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Day | Evening | Night | Type | Value | norm. | Day | Special | Night | | | X | Y | Z |
| | | | (dBA) | (dBA) | (dBA) | | | dB(A) | (min) | (min) | (min) | (ft) | | (ft) | (ft) | (ft) |
| POINTSOURCE | | CAR12 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514562.29 | 2230171.20 | 5.00 |
| POINTSOURCE | | CAR13 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514600.32 | 2230170.16 | 5.00 |
| POINTSOURCE | | CAR14 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514620.11 | 2230209.74 | 5.00 |
| POINTSOURCE | | CAR15 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514643.54 | 2230170.68 | 5.00 |
| POINTSOURCE | | CAR16 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514667.50 | 2230209.22 | 5.00 |
| POINTSOURCE | | CAR17 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514688.86 | 2230435.26 | 5.00 |
| POINTSOURCE | | CAR18 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514689.90 | 2230468.08 | 5.00 |
| POINTSOURCE | | CAR19 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514626.36 | 2230557.66 | 5.00 |
| POINTSOURCE | | CAR20 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514624.27 | 2230590.47 | 5.00 |
| POINTSOURCE | | CAR21 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514622.19 | 2230631.10 | 5.00 |
| POINTSOURCE | | CAR22 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514655.00 | 2230580.05 | 5.00 |
| POINTSOURCE | | CAR23 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514652.92 | 2230618.08 | 5.00 |
| POINTSOURCE | | CAR24 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514689.90 | 2230597.76 | 5.00 |
| POINTSOURCE | | CAR25 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514689.90 | 2230634.74 | 5.00 |
| POINTSOURCE | | CAR26 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514679.48 | 2230685.26 | 5.00 |
| POINTSOURCE | | CAR27 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514634.69 | 2230685.78 | 5.00 |
| POINTSOURCE | | CAR28 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514594.07 | 2230685.78 | 5.00 |
| POINTSOURCE | | CAR29 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514399.79 | 2230680.58 | 5.00 |
| POINTSOURCE | | CAR30 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514436.77 | 2230681.62 | 5.00 |
| POINTSOURCE | | CAR31 | 81.1 | 81.1 | 81.1 | Lw | 81.1 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514471.67 | 2230681.62 | 5.00 |
| POINTSOURCE | | GEN01 | 110.3 | 110.3 | 110.3 | Lw | 110.3 | | 120.00 | 0.00 | 0.00 | 5.00 | a | 6514674.41 | 2230515.29 | 5.00 |
| POINTSOURCE | | TRASH01 | 89.0 | 89.0 | 89.0 | Lw | 89 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514690.42 | 2230520.68 | 5.00 |
| POINTSOURCE | | TRASH02 | 89.0 | 89.0 | 89.0 | Lw | 89 | | 720.00 | 180.00 | 270.00 | 5.00 | a | 6514689.90 | 2230511.30 | 5.00 |

## Line Source(s)

| Name | M. | ID | Result. PWL | | | Result. PWL' | | | Lw / Li | | | Operating Time | | | Moving Pt. Src | | | | Height |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Day | Evening | Night | Day | Evening | Night | Type | Value | norm. | Day | Special | Night | Number | | | Speed | |
| | | | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | | | dB(A) | (min) | (min) | (min) | Day | Evening | Night | (mph) | (ft) |

| Name | ID | Height | | Coordinates | | | |
|---|---|---|---|---|---|---|---|
| | | Begin | End | x | y | z | Ground |
| | | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) |

## Area Source(s)

| Name | M. | ID | Result. PWL | | | Result. PWL'' | | | Lw / Li | | | Operating Time | | | Height |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Day | Evening | Night | Day | Evening | Night | Type | Value | norm. | Day | Special | Night | (ft) |
| | | | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | | | dB(A) | (min) | (min) | (min) | |

| Name | ID | Height | | Coordinates | | | |
|---|---|---|---|---|---|---|---|
| | | Begin | End | x | y | z | Ground |
| | | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) |

## Barrier(s)

| Name | Sel. | M. | ID | Absorption | | Z-Ext. | Cantilever | | Height | | | Coordinates | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | left | right | | horz. | vert. | Begin | | End | x | y | z | Ground |
| | | | | | | (ft) | (ft) | (ft) | (ft) | | (ft) | (ft) | (ft) | (ft) | (ft) |
| BARRIEREXISTING | | | 0 | | | | | | 6.00 | a | | 6515168.72 | 2230706.29 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514788.34 | 2230700.89 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514737.29 | 2230650.89 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514737.82 | 2230147.24 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514759.37 | 2230152.81 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514781.42 | 2230155.93 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514803.68 | 2230156.57 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514825.87 | 2230154.70 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514847.71 | 2230150.37 | 6.00 | 0.00 |
| BARRIEREXISTING | | | 0 | | | | | | 6.00 | a | | 6515172.92 | 2230777.65 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514801.36 | 2230775.37 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514774.27 | 2230801.41 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514776.36 | 2231105.58 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514775.84 | 2231325.89 | 6.00 | 0.00 |
| BARRIEREXISTING | | | 0 | | | | | | 6.00 | a | | 6514213.05 | 2231572.41 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514207.45 | 2230182.98 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514169.67 | 2230135.41 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6513307.75 | 2230136.81 | 6.00 | 0.00 |
| BARRIEREXISTING | | | 0 | | | | | | 5.00 | a | | 6514537.83 | 2230629.22 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514557.15 | 2230629.64 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514556.11 | 2230508.70 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514614.92 | 2230504.75 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514613.47 | 2230461.32 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514586.87 | 2230435.55 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514639.86 | 2230331.86 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514626.97 | 2230323.34 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514568.58 | 2230424.74 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514527.64 | 2230424.54 | 5.00 | 0.00 |

| Name | Sel. | M. | ID | Absorption | | Z-Ext. | Cantilever | | Height | | | Coordinates | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | left | right | | horz. | vert. | Begin | | End | x | y | z | Ground |
| | | | | | | (ft) | (ft) | (ft) | (ft) | | (ft) | (ft) | (ft) | (ft) | (ft) |
| | | | | | | | | | | | | 6514458.65 | 2230322.09 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514444.52 | 2230330.40 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514514.55 | 2230450.30 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514428.73 | 2230458.20 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514430.39 | 2230471.29 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514528.89 | 2230466.30 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514537.41 | 2230526.36 | 5.00 | 0.00 |
| | | | | | | | | | | | | 6514537.83 | 2230629.64 | 5.00 | 0.00 |
| BARRIERPLANNED | | | 0 | | | | | | 6.00 | a | | 6514693.55 | 2230523.90 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514660.93 | 2230524.03 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514660.93 | 2230503.00 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514687.56 | 2230503.00 | 6.00 | 0.00 |
| BARRIERPLANNED | | | 0 | | | | | | 6.00 | a | | 6514685.16 | 2230508.19 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514694.08 | 2230508.46 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514693.55 | 2230523.90 | 6.00 | 0.00 |

## Building(s)

| Name | Sel. | M. | ID | RB | Residents | Absorption | Height | | Coordinates | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Begin | | x | y | z | Ground |
| | | | | | | | (ft) | | (ft) | (ft) | (ft) | (ft) |
| BUILDING | | | BUILDING00001 | x | 0 | | 20.00 | a | 6514514.38 | 2230636.83 | 20.00 | 0.00 |
| | | | | | | | | | 6514575.32 | 2230637.87 | 20.00 | 0.00 |
| | | | | | | | | | 6514577.40 | 2230515.99 | 20.00 | 0.00 |
| | | | | | | | | | 6514626.36 | 2230513.91 | 20.00 | 0.00 |
| | | | | | | | | | 6514624.27 | 2230448.80 | 20.00 | 0.00 |
| | | | | | | | | | 6514618.54 | 2230448.28 | 20.00 | 0.00 |
| | | | | | | | | | 6514618.02 | 2230425.37 | 20.00 | 0.00 |
| | | | | | | | | | 6514666.98 | 2230336.83 | 20.00 | 0.00 |
| | | | | | | | | | 6514613.34 | 2230304.53 | 20.00 | 0.00 |
| | | | | | | | | | 6514550.32 | 2230416.51 | 20.00 | 0.00 |
| | | | | | | | | | 6514540.42 | 2230417.55 | 20.00 | 0.00 |
| | | | | | | | | | 6514476.88 | 2230304.53 | 20.00 | 0.00 |
| | | | | | | | | | 6514423.75 | 2230336.83 | 20.00 | 0.00 |
| | | | | | | | | | 6514476.36 | 2230427.45 | 20.00 | 0.00 |
| | | | | | | | | | 6514421.67 | 2230427.45 | 20.00 | 0.00 |
| | | | | | | | | | 6514421.67 | 2230508.18 | 20.00 | 0.00 |
| | | | | | | | | | 6514503.44 | 2230508.70 | 20.00 | 0.00 |
| | | | | | | | | | 6514514.90 | 2230520.16 | 20.00 | 0.00 |

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# APPENDIX 8.1:

# CADNAA CONSTRUCTION NOISE CALCULATIONS

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# 15548 - AHC Skilled Nursing Facility

**CadnaA Noise Prediction Model:** 15548-02_Construction.cna
**Date:** 01.08.23
**Analyst:** B. Lawson

## Calculation Configuration

| Configuration | |
|---|---|
| **Parameter** | **Value** |
| **General** | |
| **Max. Error (dB)** | **0.00** |
| **Max. Search Radius (#(Unit,LEN))** | **2000.01** |
| **Min. Dist Src to Rcvr** | **0.00** |
| **Partition** | |
| **Raster Factor** | **0.50** |
| **Max. Length of Section (#(Unit,LEN))** | **999.99** |
| **Min. Length of Section (#(Unit,LEN))** | **1.01** |
| **Min. Length of Section (%)** | **0.00** |
| **Proj. Line Sources** | **On** |
| **Proj. Area Sources** | **On** |
| **Ref. Time** | |
| **Daytime Penalty (dB)** | **0.00** |
| **Recr. Time Penalty (dB)** | **5.00** |
| **Night-time Penalty (dB)** | **10.00** |
| **DTM** | |
| **Standard Height (m)** | **0.00** |
| **Model of Terrain** | **Triangulation** |
| **Reflection** | |
| **max. Order of Reflection** | **2** |
| **Search Radius Src** | **100.00** |
| **Search Radius Rcvr** | **100.00** |
| **Max. Distance Source - Rcvr** | **1000.00 1000.00** |
| **Min. Distance Rvcr - Reflector** | **1.00 1.00** |
| **Min. Distance Source - Reflector** | **0.10** |
| **Industrial (ISO 9613)** | |
| **Lateral Diffraction** | **some Obj** |
| **Obst. within Area Src do not shield** | **On** |
| **Screening** | **Incl. Ground Att. over Barrier** |
| | **Dz with limit (20/25)** |
| **Barrier Coefficients C1,2,3** | **3.0 20.0 0.0** |
| **Temperature (#(Unit,TEMP))** | **10** |
| **rel. Humidity (%)** | **70** |
| **Ground Absorption G** | **0.50** |
| **Wind Speed for Dir. (#(Unit,SPEED))** | **3.0** |
| **Roads (TNM)** | |
| **Railways (FTA/FRA)** | |
| **Aircraft (???)** | |
| **Strictly acc. to AzB** | |

## Receiver Noise Levels

| Name | M. | ID | Level Lr | | | | Limit. Value | | | | Land Use | | | Height | | Coordinates | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Day | Eve | Night | CNEL | Day | Eve | Night | CNEL | Type | Auto | Noise Type | | | X | Y | Z |
| | | | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | (dBA) | | | | (ft) | | (ft) | (ft) | (ft) |
| R1 | | R1 | 62.9 | 62.9 | 62.9 | 69.5 | 65.0 | 60.0 | 55.0 | 0.0 | | | | 5.00 | a | 6514499.41 | 2230857.05 | 5.00 |
| R2 | | R2 | 57.1 | 57.1 | 57.1 | 63.8 | 55.0 | 50.0 | 45.0 | 0.0 | | | | 5.00 | a | 6514811.74 | 2230794.15 | 5.00 |
| R3 | | R3 | 55.7 | 55.7 | 55.7 | 62.4 | 55.0 | 50.0 | 45.0 | 0.0 | | | | 5.00 | a | 6514073.02 | 2230502.05 | 5.00 |
| R4 | | R4 | 64.5 | 64.5 | 64.5 | 71.1 | 55.0 | 50.0 | 45.0 | 0.0 | | | | 5.00 | a | 6514756.81 | 2230400.36 | 5.00 |

## Point Source(s)

| Name | M. | ID | Result. PWL | | | Lw / Li | | | Operating Time | | | Height | | Coordinates | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Day | Evening | Night | Type | Value | norm. | Day | Special | Night | | | X | Y | Z |
| | | | (dBA) | (dBA) | (dBA) | | | dB(A) | (min) | (min) | (min) | (ft) | | (ft) | (ft) | (ft) |

## Barrier(s)

| Name | Sel. | M. | ID | Absorption | | Z-Ext. | Cantilever | | Height | | | Coordinates | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | left | right | | horz. | vert. | Begin | | End | x | y | z | Ground |
| | | | | | | (ft) | (ft) | (ft) | (ft) | | (ft) | (ft) | (ft) | (ft) | (ft) |
| BARRIEREXISTING | | | 0 | | | | | | 6.00 | a | | 6515168.72 | 2230706.29 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514788.34 | 2230700.89 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514737.29 | 2230650.89 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514737.82 | 2230147.24 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514759.37 | 2230152.81 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514781.42 | 2230155.93 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514803.68 | 2230156.57 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514825.87 | 2230154.70 | 6.00 | 0.00 |
| | | | | | | | | | | | | 6514847.71 | 2230150.37 | 6.00 | 0.00 |
| BARRIEREXISTING | | | 0 | | | | | | 6.00 | a | | 6515172.92 | 2230777.65 | 6.00 | 0.00 |

| Name | Sel. | M. | ID | Absorption | | Z-Ext. | Cantilever | | Height | | | | Coordinates | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | left | right | | horz. | vert. | Begin | | End | | x | y | z | Ground |
| | | | | | | (ft) | (ft) | (ft) | (ft) | | (ft) | | (ft) | (ft) | (ft) | (ft) |
| | | | | | | | | | | | | | 6514801.36 | 2230775.37 | 6.00 | 0.00 |
| | | | | | | | | | | | | | 6514774.27 | 2230801.41 | 6.00 | 0.00 |
| | | | | | | | | | | | | | 6514776.36 | 2231105.58 | 6.00 | 0.00 |
| | | | | | | | | | | | | | 6514775.84 | 2231325.89 | 6.00 | 0.00 |
| BARRIEREXISTING | | | 0 | | | | | | 6.00 | a | | | 6514213.05 | 2231572.41 | 6.00 | 0.00 |
| | | | | | | | | | | | | | 6514207.45 | 2230182.98 | 6.00 | 0.00 |
| | | | | | | | | | | | | | 6514169.67 | 2230135.41 | 6.00 | 0.00 |
| | | | | | | | | | | | | | 6513307.75 | 2230136.81 | 6.00 | 0.00 |

## Building(s)

| Name | Sel. | M. | ID | RB | Residents | Absorption | Height | Coordinates | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Begin | x | y | z | Ground |
| | | | | | | | (ft) | (ft) | (ft) | (ft) | (ft) |

Michael Baker
INTERNATIONAL

We Make a Difference

# SKILLED NURSING FACILITY
# PRELIMINARY HYDROLOGY STUDY
# CITY OF RANCHO MIRAGE

Date: October 2023

*Prepared for:*
Advanced Health Care
310 W. Park Lane
Farmington, UT 84025
Telephone: TBD

| ***Revision History*** | |
|---|---|
| Date | Comment |
| | |
| | |
| | |
| | |

*Report Prepared By:*
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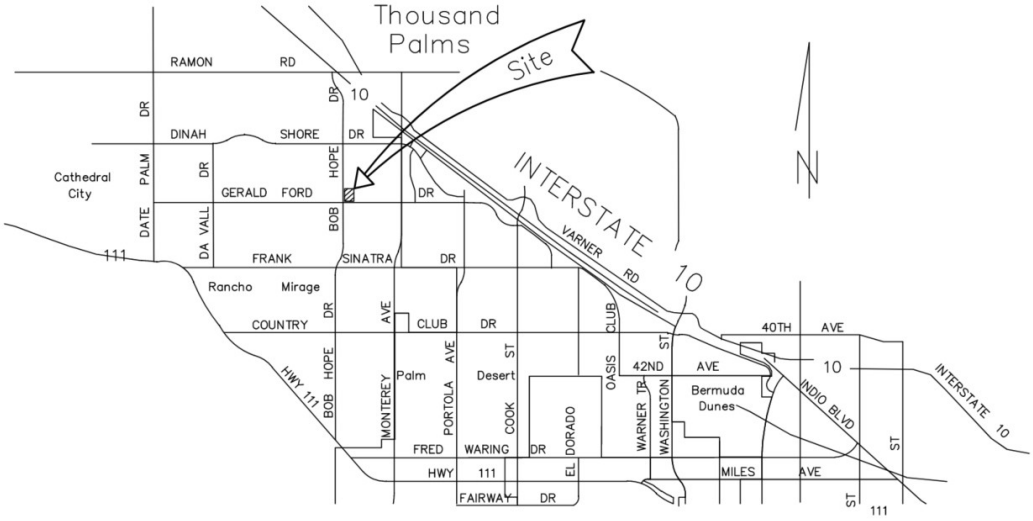
MBI JN: 194821

*Engineer of Work/ Contact Person:*
Todd Pitner, P.E.
Danielle Peltier, E.I.T.

## SECTION 1 – INTRODUCTION

*1.1 BACKGROUND*

Michael Baker International has been retained by Advanced Health Care to prepare a hydrology study for a Skilled Nursing Facility located on the northeast corner of Gerald Ford Drive and Bob Hope Drive in Rancho Mirage, CA 92270 to show how storm water runoff from the 100-year storm event shall be retained on-site to ensure proper stormwater handling and safety to the public. Figure 1 below shows the general vicinity of the project location.




VICINITY MAP
NO SCALE

Figure 1. Vicinity Map

The 5.4-acre site is a vacant plot that does not receive runoff from neighboring land developments. The property currently lies within a FEMA mapped flood plain Zone X, Areas determined to be outside the 0.2% annual chance floodplain. The National Flood Hazard FRIMette can be found in Appendix F. Runoff will be collected in storm drain facilities and drain to both above ground infiltration basins and an underground storage chamber proposed onsite under the parking lot.

*1.2 OBJECTIVE*

The objective of this drainage study is to determine the 100-year onsite discharges in accordance with the criteria and procedures described in the Riverside County Flood Control & Water Conservation District (RCFCD&WCD) Hydrology Manual. The included calculations have been prepared to show the required storage volume for on-site retention. The drainage study will also demonstrate that the proposed storm drain system is sized to mitigate peak flows and minimize runoff due to the proposed land developments.

## SECTION 2 – PROJECT DESCRIPTION

*2.1 EXISTING CONDITIONS*

The project site is a vacant lot with poor land cover, as seen in Figure 2 below. The property

is 5.4 acres with a public, meandering sidewalk on the south and west perimeters, which is the only existing impervious surface on the property. Runoff generally flows in the southerly direction until meeting Gerald Ford Drive. There is no stormwater run-on from neighboring properties.

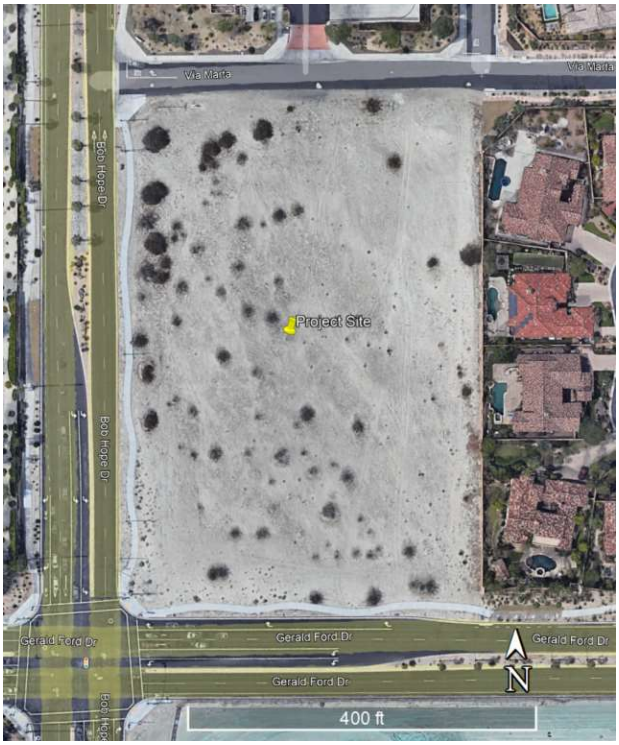


Figure 2. Project Site

*2.2 PROPOSED CONDITIONS*

The proposed development will include one building, concrete flatwork, paved parking areas, landscape areas, and various associated site improvements. Stormwater runoff will behave similar to the existing flow patterns by generally draining in the southerly direction. Runoff from the parking lot will sheet flow to gutters and drain into grate inlets located at low points throughout the parking lot. Roof runoff will be collected in roof drains and conveyed to the proposed storm drain network and will be detailed in Final. Although the parcels are 5.4 acres, the total area of all drainage management areas that will have their runoff retained on-site are 4.41 acres. Approximately 0.09 acres of hardscape from the driveway will be draining away from the site, and the rest of the areas are landscaped/self treating areas. All drainage area runoff will be discharged into either above ground infiltration basins or a proposed underground basin system. The stored volume will be infiltrated into the subsoils within 72 hours to avoid any vector issues and will be confirmed with a calculation following the results of an on-site percolation test. Flows exceeding the design storm volume will be conveyed via surface overflow to Gerald Ford Drive. Refer to Appendix B for the Proposed Condition Hydrology Map.

As of June 15, 2009, developers must comply with the Colorado River Basin Regional Water Quality Control Board (CRBRWQCB) requiring the preparation, approval, and implementation of a project-specific WQMP for discretionary New Developments and Redevelopment projects that fall into (1) of the (8) Priority Development Project categories. This project falls into categories 3 and 8:

3. Commercial and industrial developments of 100,000 square feet or more;

8. Parking lots of 5,000 square feet of more with 25 or more parking spaces and potentially exposed to Urban Runoff.

## SECTION 3 – HYDROLOGY

*3.1 APPROACH AND METHODOLOGY*

The hydrologic analysis described in this report was performed in accordance with the criteria and procedures outlined in the Riverside County Flood Control and Water Conservation District Hydrology Manual dated April 1978, referred to hereafter as "Hydrology Manual".

Hydrologic calculations to evaluate surface runoff associated with the 100-year storm event were performed using data from the *Web Soil Survey* and *NOAA Atlas Point Precipitation Frequency Estimates* to find soil classification and rainfall intensity values. The Web Soil Survey report in Appendix D shows that the site entirely lies within hydrologic soil type "A". Precipitation data used in this study was taken from the NOAA Atlas 14 website at the project site and is included in Appendix E. The developed site will be considered "commercial" land use type with varying impervious cover. A summary of the proposed land-use is shown below in Table 1.

Table 1 – Proposed Land-use Summary

| DMA ID | DMA Area (sf) | Pervious (sf) | % Pervious | % Impervious |
|---|---|---|---|---|
| A1 | 31426.41 | 5520.48 | 17.57 | 82.43 |
| A2 | 12578.47 | 5553.72 | 44.15 | 55.85 |
| B1 | 26576.93 | 3222.4 | 12.12 | 87.88 |
| B2 | 21054.64 | 7749.67 | 36.81 | 63.19 |
| C1 | 76099.21 | 12855.85 | 16.89 | 83.11 |
| D1 | 24299.8 | 5102.5 | 21.00 | 79.00 |

Watershed losses generally consist of infiltration, depression storage, vegetation, and minor amounts of evaporation. Loss rates vary with each land use and soil type. The procedures and criteria used in this study for estimating loss rates follow the guidelines of the Hydrology Manual.

The Antecedent Moisture Condition (AMC) indicates the soil wetness prior to a particular storm and the runoff potential for the subject storm. An AMC is defined as:

AMC I: Lowest runoff potential

AMC II: Moderate runoff potential

AMC III: Highest runoff potential

AMC II was applied for the 100-year storm event as outlined in the Hydrology Manual.

*3.2 RATIONAL METHOD HYDROLOGY RESULTS*

The peak 100-year discharges are calculated using the rational method, as prescribed by the RCFC&WCD Hydrology Manual. Detailed catch basin inlet and storm drain size

calculations (hydraulics) will be provided in the Final Report along with a discussion of Manning's N values. For the Preliminary report, rational method calculations are located in Appendix A.

*3.3 STORAGE VOLUMES*

The project is required to retain 100% of the worst-case duration of the 100-year storm event onsite per the City of Rancho Mirage Municipal Code – Title 13 Section 13.05.010 for all projects greater than one acre in size and located north of the Whitewater River. A spreadsheet based on the Shortcut Method Synthetic Unit Hydrograph approach as prescribed by the Hydrology Manual has been utilized to perform the calculations. Rainfall input data for the 100-year, 1-hour, 3-hour, 6-hour, and 24-hour storms is input per said NOAA 14 Atlas. Basin Inflow is modeled in 5-minute intervals for the 1-hour, 3-hour and 6-hour storms, and 15-minute intervals for the 24-hour storm, based on the design storm unit hydrographs presented in the Hydrology Manual.

The 100-yr, 6-hour storm is shown to be the design storm from the results and a summary of the basin sizing can be seen in Table 2 below. The proposed underground retention chamber system has a capacity of approximately 3,725.06 cubic feet. ADS StormTech drawings are included in Appendix G that show the preliminary layout, sections, and details of the underground system; further specifications such as invert evaluations will be provided in the Final Drainage Study. The design infiltration rate of the soils at the basin is 1.0 in/hr per the maximum percolation rate set by the City of Rancho Mirage design standards in City Standard 310.

Table 2 – Unit Hydrograph Summary

| Basin | Drainage Area (ac) | Basin Storage Provided (cf) | Basin Storage Storm Volume (cf) | Depth Full/ Max Depth |
|---|---|---|---|---|
| A | 1.01 | 6,543.14 | 5,898.65 | 3.61/4 |
| B | 1.09 | 7,439.91 | 6,611.18 | 3.55/4 |
| C | 1.75 | 13,071.17 | 12,552.77 | 4.80/5 |
| D | 0.56 | 3,725.06 | 3,509.92 | 5.19/5.5 |

The proposed basins are in line with the design criteria set by the City having no steeper than 2:1 slopes, and one foot minimum of freeboard below the lowest building pad to the maximum water level. The maximum water surface elevation comes from Basin C, at 10.8, while the building pad is at 11.93.

## CONCLUSION

The methodologies used in this study are in compliance with the City of Rancho Mirage and RCFC&WCD Criteria. The project site lies within FEMA designated Zone X, Areas determined to be outside the 0.2% annual chance floodplain. The above ground infiltration basins and underground storage chamber will retain the volume of 100% of the worst case 100-year storm volume. Based on these design calculations, the proposed drainage system will capture sufficient onsite runoff to keep the proposed site from significant flooding during the 100-year storm event. There are no anticipated negative upstream or downstream impacts.

# APPENDIX A

## RATIONAL METHOD

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 10/02/23 File:SNFA.out

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SKILLED NURSING FACILITY
DMA A
PROPOSED CONDITION 100-YEAR STORM
BY DP ON 10/2/23

---

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

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Program License Serial Number 6482

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Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)
For the [ Cathedral City ] area used.
10 year storm 10 minute intensity = 2.770(In/Hr)
10 year storm 60 minute intensity = 0.980(In/Hr)
100 year storm 10 minute intensity = 4.520(In/Hr)
100 year storm 60 minute intensity = 1.600(In/Hr)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.600(In/Hr)
Slope of intensity duration curve = 0.5800

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

Process from Point/Station 10.000 to Point/Station 20.000
**** INITIAL AREA EVALUATION ****

---

Initial area flow distance = 247.600(Ft.)
Top (of initial area) elevation = 12.310(Ft.)
Bottom (of initial area) elevation = 11.190(Ft.)
Difference in elevation = 1.120(Ft.)
Slope = 0.00452 s(percent)= 0.45
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 8.008 min.
Rainfall intensity = 5.145(In/Hr) for a 100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.868
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000

```
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      3.216(CFS)
Total initial stream area =        0.720(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       20.000 to Point/Station       40.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 1 in normal stream number 1
Stream flow area =      0.720(Ac.)
Runoff from this stream =      3.216(CFS)
Time of concentration =    8.01 min.
Rainfall intensity =     5.145(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       30.000 to Point/Station       40.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   110.900(Ft.)
Top (of initial area) elevation =    12.300(Ft.)
Bottom (of initial area) elevation =    11.220(Ft.)
Difference in elevation =     1.080(Ft.)
Slope =    0.00974  s(percent)=       0.97
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Warning: TC computed to be less than 5 min.; program is assuming the
time of concentration is 5 minutes.
Initial area time of concentration =    5.000 min.
Rainfall intensity =      6.762(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.873
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      1.713(CFS)
Total initial stream area =        0.290(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       40.000 to Point/Station       40.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 1 in normal stream number 2
Stream flow area =      0.290(Ac.)
Runoff from this stream =      1.713(CFS)
Time of concentration =    5.00 min.
Rainfall intensity =     6.762(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)
```

```
1        3.216      8.01                 5.145
2        1.713      5.00                 6.762
Largest stream flow has longer time of concentration
Qp =      3.216 + sum of
        Qb         Ia/Ib
         1.713 *    0.761 =      1.303
Qp =      4.519

Total of 2 streams to confluence:
Flow rates before confluence point:
       3.216       1.713
Area of streams before confluence:
        0.720        0.290
Results of confluence:
Total flow rate =      4.519(CFS)
Time of concentration =     8.008 min.
Effective stream area after confluence =      1.010(Ac.)
End of computations, total study area =            1.01 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged RI index number =  32.0
```

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 10/02/23 File:SNFB.out

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SKILLED NURSING FACILITY
DMA B
PROPOSED CONDITION 100-YEAR STORM
BY DP ON 10/2/23

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********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

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Program License Serial Number 6482

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Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)
For the [ Cathedral City ] area used.
10 year storm 10 minute intensity = 2.770(In/Hr)
10 year storm 60 minute intensity = 0.980(In/Hr)
100 year storm 10 minute intensity = 4.520(In/Hr)
100 year storm 60 minute intensity = 1.600(In/Hr)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.600(In/Hr)
Slope of intensity duration curve = 0.5800

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

Process from Point/Station 10.000 to Point/Station 50.000
**** INITIAL AREA EVALUATION ****

---

Initial area flow distance = 121.900(Ft.)
Top (of initial area) elevation = 12.310(Ft.)
Bottom (of initial area) elevation = 10.780(Ft.)
Difference in elevation = 1.530(Ft.)
Slope = 0.01255 s(percent)= 1.26
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Warning: TC computed to be less than 5 min.; program is assuming the
time of concentration is 5 minutes.
Initial area time of concentration = 5.000 min.
Rainfall intensity = 6.762(In/Hr) for a 100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.873
Decimal fraction soil group A = 1.000

```
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      3.602(CFS)
Total initial stream area =        0.610(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       50.000 to Point/Station       70.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 1 in normal stream number 1
Stream flow area =      0.610(Ac.)
Runoff from this stream =      3.602(CFS)
Time of concentration =    5.00 min.
Rainfall intensity =     6.762(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       60.000 to Point/Station       70.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   196.000(Ft.)
Top (of initial area) elevation =    12.920(Ft.)
Bottom (of initial area) elevation =    11.060(Ft.)
Difference in elevation =     1.860(Ft.)
Slope =    0.00949  s(percent)=       0.95
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    6.289 min.
Rainfall intensity =      5.919(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.871
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      2.474(CFS)
Total initial stream area =        0.480(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       70.000 to Point/Station       70.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 1 in normal stream number 2
Stream flow area =      0.480(Ac.)
Runoff from this stream =      2.474(CFS)
Time of concentration =    6.29 min.
Rainfall intensity =     5.919(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)
```

```
1        3.602      5.00                 6.762
2        2.474      6.29                 5.919
Largest stream flow has longer or shorter time of concentration
Qp =      3.602 + sum of
        Qa          Tb/Ta
         2.474 *    0.795 =      1.967
Qp =      5.570

Total of 2 streams to confluence:
Flow rates before confluence point:
       3.602       2.474
Area of streams before confluence:
        0.610        0.480
Results of confluence:
Total flow rate =      5.570(CFS)
Time of concentration =     5.000 min.
Effective stream area after confluence =      1.090(Ac.)
End of computations, total study area =            1.09 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged RI index number =  32.0
```

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 10/02/23 File:SNFC.out

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SKILLED NURSING FACILITY
DMA C
PROPOSED CONDITION 100-YEAR STORM
BY DP ON 10/2/23

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********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

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Program License Serial Number 6482

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Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)
For the [ Cathedral City ] area used.
10 year storm 10 minute intensity = 2.770(In/Hr)
10 year storm 60 minute intensity = 0.980(In/Hr)
100 year storm 10 minute intensity = 4.520(In/Hr)
100 year storm 60 minute intensity = 1.600(In/Hr)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.600(In/Hr)
Slope of intensity duration curve = 0.5800

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

Process from Point/Station 80.000 to Point/Station 90.000
**** INITIAL AREA EVALUATION ****

---

Initial area flow distance = 183.400(Ft.)
Top (of initial area) elevation = 12.430(Ft.)
Bottom (of initial area) elevation = 10.840(Ft.)
Difference in elevation = 1.590(Ft.)
Slope = 0.00867 s(percent)= 0.87
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 6.236 min.
Rainfall intensity = 5.949(In/Hr) for a 100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.871
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000

```
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      9.067(CFS)
Total initial stream area =        1.750(Ac.)
Pervious area fraction = 0.100
End of computations, total study area =            1.75 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged RI index number =  32.0
```

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 10/02/23 File:SNFD.out

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SKILLED NURSING FACILITY
DMA D
PROPOSED CONDITION 100-YEAR STORM
BY DP ON 10/2/23

---

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

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Program License Serial Number 6482

---

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)
For the [ Cathedral City ] area used.
10 year storm 10 minute intensity = 2.770(In/Hr)
10 year storm 60 minute intensity = 0.980(In/Hr)
100 year storm 10 minute intensity = 4.520(In/Hr)
100 year storm 60 minute intensity = 1.600(In/Hr)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.600(In/Hr)
Slope of intensity duration curve = 0.5800

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

Process from Point/Station 100.000 to Point/Station 110.000
**** INITIAL AREA EVALUATION ****

---

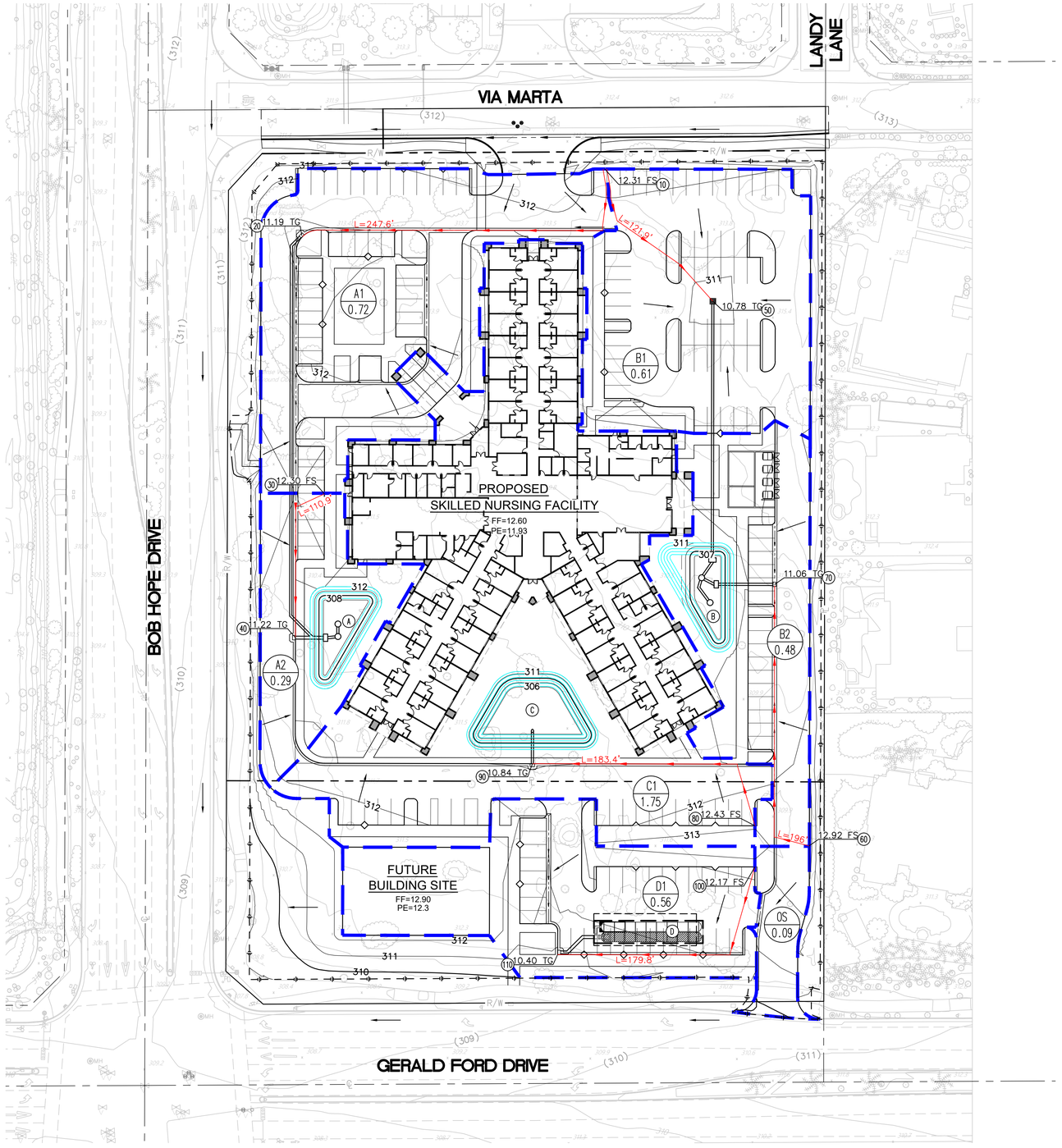
Initial area flow distance = 179.800(Ft.)
Top (of initial area) elevation = 12.170(Ft.)
Bottom (of initial area) elevation = 10.400(Ft.)
Difference in elevation = 1.770(Ft.)
Slope = 0.00984 s(percent)= 0.98
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 6.031 min.
Rainfall intensity = 6.065(In/Hr) for a 100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.871
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000

```
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      2.959(CFS)
Total initial stream area =        0.560(Ac.)
Pervious area fraction = 0.100
End of computations, total study area =            0.56 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged RI index number =  32.0
```

# APPENDIX B

## PROPOSED CONDITION HYDROLOGY MAP




## LEGEND:

- DRAINAGE MANAGEMENT AREA
- SUBAREA IDENTIFICATION (X# / #.##) AREA IN ACRES
- NODE IDENTIFICATION (XX)
- SURFACE FLOW
- PROPOSED STORM DRAIN

SCALE 1"=40'

40 20 0 40 80 120

SCALE: 1"=40'


Michael Baker INTERNATIONAL
75-410 GERALD FORD DRIVE, SUITE 100, PALM DESERT CA 92211
PHONE: (760) 346-7481 · MBAKERINTL.COM


EXHIBIT 1
PRELIMINARY HYDROLOGY MAP
SKILLED NURSING FACILITY

H:\PDATA\194821\CADD\STORMWATER\194821-HH-20L.DWG PELTIER, DANIELLE 10/2/2023 3:36 PM

# APPENDIX C

## SYNTHETIC UNIT HYDROGRAPH CALCULATIONS

**HYDROLOGY CALCULATIONS -**

**Using the RCFC&WCD Short Cut Unit Hydrograph Method**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Area Designations** | **Basin A** | | | | | |
| **Drainage Area (ac.)** | **1.0100** | | | | | |
| Unit time (minutes) | **5** | **5** | **5** | **15** | | |
| 100 Year Storm Duration (hrs) | 1 | 3 | 6 | 24 | | |
| Total Precipitation (Plates D-4.4,E-5.2, 5.4, 5.6)(in.) | **1.76** | **2.49** | **3.24** | **4.78** | Or data from NOAA interactive website | |
| Soils Group | A | | | | | |
| AMC index II Runoff Number (plate E-6.1) | 32 | | | | | |
| Plate E-6.2 Pervious Area Loss Rate (Fp)(in/hr) | 0.74 | (AMC II) | | | | |
| Percentage of Impervious Cover (Ai)(%) (plate E-6.3) | | **74.83** | (See impervious/pervious area calculations included in report) | | | |
| Weighted Average Loss Rate (F=Fp(1-.9Ai))(in./hr.) | 0.24 | (used for 1, 3, and 6 hour storm, the 24 hour storm uses variable maximum loss rate per plate E-1.1 (3 of 6)) | | | | |
| Low Loss Rate Percent (%) | 80 | | | | | |
| Retention Basin Percolation Rate (in/hr) | **1** | (also used for drywell percolation rate) | | | | |

**Percolation is taken incrementally.**

**Basin volume is calculated using the "truncated pyramid" formula, a more conservative estimate than "averaged end areas" sometimes used**

**(Drywell can be "zeroed out" by reducing numbers to less than .001, but should not entered as zeros or program chokes.)**

**Drywell storage includes 40% of the 1' wide rock bed surrounding the drywell: formula (upper)*PI()*(diam/2)^2+(lower)*PI()*((diam/2)^2+0.4*((diam/2+(grav+0.4166))^2-(diam/2+0.4166)^2))**

**The drywell wall thickness is assumed at 5" (0.4166) and the gravel bed width is variable "grav"**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Drywell design factors** | **Upper sec. (ft.)=** | **5** | **Lower sec. (ft.)=** | **15** | **Ring diam. (ft.) =** | **4** | **Drywell lower max. (cf)=** | **298.45** | **Upper max.(cf)=** | **62.83** |
| | **Gravel bed width around drwyell=** | **1** | | | | | **Drywell total(cf)=** | **361.28** | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Ret. Basin design (area, depth)** | **Top =** | **2377.95** | s.f. | **Bot. =** | **992.86** | **s.f.** | **Max. Depth (d)=** | **4** | **Max. storage=** | **6543.14** | (d/3)*(bottom+top+(bottom*top)^0.50) |
| **Formulas** | **vol=(h/3)*(bottom+top+(bottom*top)^0.50)** | | | **area=bottom+(h/d)*(top-bottom)** | | | **h=(vol*3)/(bottom+top+(bottom*top)^0.5)** | | **(values must be non-zero or error occurs)** | | |
| | **Outside input from:** | **N/A** | | | | | | | | | |

**1 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 3.7 | 0.7814 | 0.2416 | N/A | | 0.5398 | 0.5497 | 164.92 | 0.00 | 30.89 | 0.21 | 164.71 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 4.8 | 1.0138 | 0.2416 | N/A | | 0.7721 | 0.7863 | 235.90 | 0.00 | 171.76 | 1.19 | 361.28 | 20.00 | 38.14 | 992.86 | 6.89 | 31.25 | 0.02 | 0.00 | 0.00 |
| 0:15 | 5.1 | 1.0771 | 0.2416 | N/A | | 0.8355 | 0.8509 | 255.26 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 253.28 | 999.47 | 6.94 | 277.58 | 0.17 | 0.00 | 0.00 |
| 0:20 | 4.9 | 1.0349 | 0.2416 | N/A | | 0.7932 | 0.8079 | 242.36 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 240.37 | 1051.62 | 7.30 | 510.65 | 0.31 | 0.00 | 0.00 |
| 0:25 | 6.6 | 1.3939 | 0.2416 | N/A | | 1.1523 | 1.1735 | 352.05 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 350.07 | 1100.96 | 7.65 | 853.07 | 0.52 | 0.00 | 0.00 |
| 0:30 | 7.3 | 1.5418 | 0.2416 | N/A | | 1.3001 | 1.3241 | 397.22 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 395.23 | 1173.44 | 8.15 | 1240.15 | 0.76 | 0.00 | 0.00 |
| 0:35 | 8.4 | 1.7741 | 0.2416 | N/A | | 1.5324 | 1.5607 | 468.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 466.21 | 1255.38 | 8.72 | 1697.65 | 1.04 | 0.00 | 0.00 |
| 0:40 | 9 | 1.9008 | 0.2416 | N/A | | 1.6592 | 1.6897 | 506.92 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 504.93 | 1352.23 | 9.39 | 2193.19 | 1.34 | 0.00 | 0.00 |
| 0:45 | 12.3 | 2.5978 | 0.2416 | N/A | | 2.3561 | 2.3995 | 719.86 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 717.87 | 1457.13 | 10.12 | 2900.94 | 1.77 | 0.00 | 0.00 |
| 0:50 | 17.6 | 3.7171 | 0.2416 | N/A | | **3.4755** | **3.5395** | **1061.85** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 1059.86 | 1606.95 | 11.16 | 3949.64 | 2.41 | 0.00 | 0.00 |
| 0:55 | 16.1 | 3.4003 | 0.2416 | N/A | | 3.1587 | 3.2169 | 965.06 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 963.07 | 1828.94 | 12.70 | 4900.01 | 3.00 | 0.00 | 0.00 |
| **1:00** | 4.2 | 0.8870 | 0.2416 | N/A | | 0.6454 | 0.6573 | 197.19 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 195.20 | 2030.12 | 14.10 | **5081.11** | **3.11** | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2416 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2068.46 | 14.36 | 5066.75 | 3.10 | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2416 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2065.42 | 14.34 | 5052.41 | 3.09 | 0.00 | 0.00 |
| 1:15 | 0 | 0.0000 | 0.2416 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2062.38 | 14.32 | 5038.08 | 3.08 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **5566.79** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**3 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 1.3 | 0.39 | 0.24 | N/A | | 0.1468 | 0.1495 | 44.85 | 0.00 | 30.89 | 0.21 | 44.64 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 1.3 | 0.39 | 0.24 | N/A | | 0.1468 | 0.1495 | 44.85 | 0.00 | 69.07 | 0.48 | 89.01 | 4.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 1.1 | 0.33 | 0.24 | N/A | | 0.0870 | 0.0887 | 26.60 | 0.00 | 107.02 | 0.74 | 114.86 | 5.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:20 | 1.5 | 0.45 | 0.24 | N/A | | 0.2066 | 0.2104 | 63.11 | 0.00 | 129.13 | 0.90 | 177.08 | 8.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:25 | 1.5 | 0.45 | 0.24 | N/A | | 0.2066 | 0.2104 | 63.11 | 0.00 | 182.34 | 1.27 | 238.93 | 12.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 235.23 | 1.63 | 349.72 | 19.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:35 | 1.5 | 0.45 | 0.24 | N/A | | 0.2066 | 0.2104 | 63.11 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 49.56 | 992.86 | 6.89 | 42.67 | 0.03 | 0.00 | 0.00 |
| 0:40 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 1001.89 | 6.96 | 124.22 | 0.08 | 0.00 | 0.00 |
| 0:45 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 1019.16 | 7.08 | 205.66 | 0.13 | 0.00 | 0.00 |
| 0:50 | 1.5 | 0.45 | 0.24 | N/A | | 0.2066 | 0.2104 | 63.11 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 61.12 | 1036.39 | 7.20 | 259.58 | 0.16 | 0.00 | 0.00 |
| 0:55 | 1.6 | 0.48 | 0.24 | N/A | | 0.2364 | 0.2408 | 72.24 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 70.25 | 1047.81 | 7.28 | 322.56 | 0.20 | 0.00 | 0.00 |
| **1:00** | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 1061.14 | 7.37 | 403.70 | 0.25 | 0.00 | 0.00 |
| 1:05 | 2.2 | 0.66 | 0.24 | N/A | | 0.4157 | 0.4234 | 127.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 125.03 | 1078.32 | 7.49 | 521.24 | 0.32 | 0.00 | 0.00 |
| 1:10 | 2.2 | 0.66 | 0.24 | N/A | | 0.4157 | 0.4234 | 127.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 125.03 | 1103.20 | 7.66 | 638.61 | 0.39 | 0.00 | 0.00 |
| 1:15 | 2.2 | 0.66 | 0.24 | N/A | | 0.4157 | 0.4234 | 127.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 125.03 | 1128.04 | 7.83 | 755.81 | 0.46 | 0.00 | 0.00 |
| 1:20 | 2 | 0.60 | 0.24 | N/A | | 0.3560 | 0.3625 | 108.76 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 106.77 | 1152.85 | 8.01 | 854.57 | 0.52 | 0.00 | 0.00 |
| 1:25 | 2.6 | 0.78 | 0.24 | N/A | | 0.5352 | 0.5451 | 163.53 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 161.54 | 1173.76 | 8.15 | 1007.96 | 0.62 | 0.00 | 0.00 |
| 1:30 | 2.7 | 0.81 | 0.24 | N/A | | 0.5651 | 0.5755 | 172.66 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 170.67 | 1206.23 | 8.38 | 1170.26 | 0.72 | 0.00 | 0.00 |
| 1:35 | 2.4 | 0.72 | 0.24 | N/A | | 0.4755 | 0.4842 | 145.27 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 143.29 | 1240.59 | 8.62 | 1304.93 | 0.80 | 0.00 | 0.00 |
| 1:40 | 2.7 | 0.81 | 0.24 | N/A | | 0.5651 | 0.5755 | 172.66 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 170.67 | 1269.10 | 8.81 | 1466.79 | 0.90 | 0.00 | 0.00 |
| 1:45 | 3.3 | 0.99 | 0.24 | N/A | | 0.7444 | 0.7581 | 227.44 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 225.45 | 1303.36 | 9.05 | 1683.19 | 1.03 | 0.00 | 0.00 |
| 1:50 | 3.1 | 0.93 | 0.24 | N/A | | 0.6846 | 0.6973 | 209.18 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 207.19 | 1349.17 | 9.37 | 1881.01 | 1.15 | 0.00 | 0.00 |
| 1:55 | 2.9 | 0.87 | 0.24 | N/A | | 0.6249 | 0.6364 | 190.92 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 188.93 | 1391.04 | 9.66 | 2060.28 | 1.26 | 0.00 | 0.00 |
| **2:00** | 3 | 0.90 | 0.24 | N/A | | 0.6548 | 0.6668 | 200.05 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 198.06 | 1428.99 | 9.92 | 2248.42 | 1.37 | 0.00 | 0.00 |
| 2:05 | 3.1 | 0.93 | 0.24 | N/A | | 0.6846 | 0.6973 | 209.18 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 207.19 | 1468.82 | 10.20 | 2445.41 | 1.49 | 0.00 | 0.00 |
| 2:10 | 4.2 | 1.25 | 0.24 | N/A | | 1.0133 | 1.0320 | 309.60 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 307.61 | 1510.52 | 10.49 | 2742.53 | 1.68 | 0.00 | 0.00 |
| 2:15 | 5 | 1.49 | 0.24 | N/A | | 1.2524 | 1.2754 | 382.63 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 380.64 | 1573.41 | 10.93 | 3112.24 | 1.90 | 0.00 | 0.00 |
| 2:20 | 3.5 | 1.05 | 0.24 | N/A | | 0.8042 | 0.8190 | 245.69 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 243.71 | 1651.68 | 11.47 | 3344.48 | 2.04 | 0.00 | 0.00 |
| 2:25 | 6.8 | 2.03 | 0.24 | N/A | | 1.7902 | 1.8232 | 546.95 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 544.97 | 1700.84 | 11.81 | 3877.64 | 2.37 | 0.00 | 0.00 |
| 2:30 | 7.3 | 2.18 | 0.24 | N/A | | 1.9396 | 1.9753 | 592.60 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 590.61 | 1813.70 | 12.60 | 4455.65 | 2.72 | 0.00 | 0.00 |
| 2:35 | 8.2 | 2.45 | 0.24 | N/A | | **2.2085** | **2.2492** | **674.76** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 672.77 | 1936.06 | 13.44 | 5114.98 | 3.13 | 0.00 | 0.00 |
| 2:40 | 5.9 | 1.76 | 0.24 | N/A | | 1.5213 | 1.5493 | 464.79 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 462.80 | 2075.63 | 14.41 | 5563.37 | 3.40 | 0.00 | 0.00 |
| 2:45 | 2 | 0.60 | 0.24 | N/A | | 0.3560 | 0.3625 | 108.76 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 106.77 | 2170.55 | 15.07 | 5655.07 | 3.46 | 0.00 | 0.00 |
| 2:50 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 2189.96 | 15.21 | 5728.37 | 3.50 | 0.00 | 0.00 |
| 2:55 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 2205.47 | 15.32 | **5801.57** | **3.55** | 0.00 | 0.00 |
| **3:00** | 0.6 | 0.18 | 0.24 | 0.14 | | 0.0359 | 0.0365 | 10.95 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 8.97 | 2220.97 | 15.42 | 5795.11 | 3.54 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2219.60 | 15.41 | 5779.70 | 3.53 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2216.34 | 15.39 | 5764.31 | 3.52 | 0.00 | 0.00 |
| 3:15 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2213.08 | 15.37 | 5748.94 | 3.51 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 353.33 | 19.37 | 0.00 | 2209.83 | 15.35 | 5733.59 | 3.51 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 351.35 | 19.21 | 0.00 | 2206.58 | 15.32 | 5718.27 | 3.50 | 0.00 | 0.00 |
| 3:30 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 349.36 | 19.05 | 0.00 | 2203.34 | 15.30 | 5702.97 | 3.49 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 347.37 | 18.89 | 0.00 | 2200.10 | 15.28 | 5687.69 | 3.48 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 345.38 | 18.73 | 0.00 | 2196.86 | 15.26 | 5672.43 | 3.47 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | | **6501.40** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**6 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 0.5 | 0.19 | 0.24 | 0.16 | 0.0389 | 0.0396 | 11.88 | 0.00 | 30.89 | 0.21 | 11.66 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 0.6 | 0.23 | 0.24 | 0.19 | 0.0467 | 0.0475 | 14.25 | 0.00 | 40.87 | 0.28 | 25.64 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 0.6 | 0.23 | 0.24 | 0.19 | 0.0467 | 0.0475 | 14.25 | 0.00 | 52.82 | 0.37 | 39.52 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:20 | 0.6 | 0.23 | 0.24 | 0.19 | 0.0467 | 0.0475 | 14.25 | 0.00 | 64.69 | 0.45 | 53.33 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:25 | 0.6 | 0.23 | 0.24 | 0.19 | 0.0467 | 0.0475 | 14.25 | 0.00 | 76.50 | 0.53 | 67.05 | 3.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 88.24 | 0.61 | 83.07 | 4.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:35 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 101.94 | 0.71 | 98.99 | 4.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:40 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 115.56 | 0.80 | 114.82 | 5.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 129.09 | 0.90 | 130.55 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:50 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 142.55 | 0.99 | 146.19 | 7.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:55 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 155.93 | 1.08 | 161.74 | 8.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 169.22 | 1.18 | 181.77 | 9.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:05 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 186.35 | 1.29 | 201.68 | 10.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:10 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 203.38 | 1.41 | 221.48 | 11.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 220.31 | 1.53 | 241.15 | 12.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:20 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 237.14 | 1.65 | 260.71 | 13.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:25 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 253.87 | 1.76 | 280.15 | 14.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 270.50 | 1.88 | 306.22 | 15.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:35 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 325.44 | 17.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:40 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 344.66 | 18.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 2.60 | 992.86 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:50 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 19.22 | 992.86 | 6.89 | 12.32 | 0.01 | 0.00 | 0.00 |
| 1:55 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 19.22 | 995.47 | 6.91 | 24.63 | 0.02 | 0.00 | 0.00 |
| **2:00** | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 998.07 | 6.93 | 48.80 | 0.03 | 0.00 | 0.00 |
| 2:05 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 19.22 | 1003.19 | 6.97 | 61.05 | 0.04 | 0.00 | 0.00 |
| 2:10 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1005.78 | 6.98 | 85.16 | 0.05 | 0.00 | 0.00 |
| 2:15 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1010.89 | 7.02 | 109.24 | 0.07 | 0.00 | 0.00 |
| 2:20 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1015.98 | 7.06 | 133.28 | 0.08 | 0.00 | 0.00 |
| 2:25 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1021.07 | 7.09 | 157.29 | 0.10 | 0.00 | 0.00 |
| 2:30 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1026.16 | 7.13 | 181.26 | 0.11 | 0.00 | 0.00 |
| 2:35 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1031.23 | 7.16 | 205.20 | 0.13 | 0.00 | 0.00 |
| 2:40 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1036.30 | 7.20 | 229.10 | 0.14 | 0.00 | 0.00 |
| 2:45 | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1041.36 | 7.23 | 264.84 | 0.16 | 0.00 | 0.00 |
| 2:50 | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1048.92 | 7.28 | 300.53 | 0.18 | 0.00 | 0.00 |
| 2:55 | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1056.48 | 7.34 | 336.17 | 0.21 | 0.00 | 0.00 |
| **3:00** | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1064.02 | 7.39 | 371.76 | 0.23 | 0.00 | 0.00 |
| 3:05 | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1071.56 | 7.44 | 407.29 | 0.25 | 0.00 | 0.00 |
| 3:10 | 1.1 | 0.43 | 0.24 | N/A | 0.1860 | 0.1895 | 56.84 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 54.86 | 1079.08 | 7.49 | 454.66 | 0.28 | 0.00 | 0.00 |
| 3:15 | 1.1 | 0.43 | 0.24 | N/A | 0.1860 | 0.1895 | 56.84 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 54.86 | 1089.10 | 7.56 | 501.95 | 0.31 | 0.00 | 0.00 |
| 3:20 | 1.1 | 0.43 | 0.24 | N/A | 0.1860 | 0.1895 | 56.84 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 54.86 | 1099.12 | 7.63 | 549.17 | 0.34 | 0.00 | 0.00 |
| 3:25 | 1.2 | 0.47 | 0.24 | N/A | 0.2249 | 0.2291 | 68.72 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 66.73 | 1109.11 | 7.70 | 608.20 | 0.37 | 0.00 | 0.00 |
| 3:30 | 1.3 | 0.51 | 0.24 | N/A | 0.2638 | 0.2687 | 80.60 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 78.61 | 1121.61 | 7.79 | 679.03 | 0.42 | 0.00 | 0.00 |
| 3:35 | 1.4 | 0.54 | 0.24 | N/A | 0.3027 | 0.3083 | 92.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 90.49 | 1136.60 | 7.89 | 761.62 | 0.47 | 0.00 | 0.00 |
| 3:40 | 1.4 | 0.54 | 0.24 | N/A | 0.3027 | 0.3083 | 92.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 90.49 | 1154.09 | 8.01 | 844.10 | 0.52 | 0.00 | 0.00 |
| 3:45 | 1.5 | 0.58 | 0.24 | N/A | 0.3416 | 0.3479 | 104.36 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 102.37 | 1171.54 | 8.14 | 938.34 | 0.57 | 0.00 | 0.00 |
| 3:50 | 1.5 | 0.58 | 0.24 | N/A | 0.3416 | 0.3479 | 104.36 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 102.37 | 1191.49 | 8.27 | 1032.43 | 0.63 | 0.00 | 0.00 |
| 3:55 | 1.6 | 0.62 | 0.24 | N/A | 0.3804 | 0.3875 | 116.24 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 114.25 | 1211.41 | 8.41 | 1138.27 | 0.70 | 0.00 | 0.00 |
| **4:00** | 1.6 | 0.62 | 0.24 | N/A | 0.3804 | 0.3875 | 116.24 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 114.25 | 1233.82 | 8.57 | 1243.95 | 0.76 | 0.00 | 0.00 |
| 4:05 | 1.7 | 0.66 | 0.24 | N/A | 0.4193 | 0.4271 | 128.12 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 126.13 | 1256.19 | 8.72 | 1361.35 | 0.83 | 0.00 | 0.00 |
| 4:10 | 1.8 | 0.70 | 0.24 | N/A | 0.4582 | 0.4666 | 139.99 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 138.01 | 1281.04 | 8.90 | 1490.47 | 0.91 | 0.00 | 0.00 |
| 4:15 | 1.9 | 0.74 | 0.24 | N/A | 0.4971 | 0.5062 | 151.87 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 149.89 | 1308.37 | 9.09 | 1631.27 | 1.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:20 | 2 | 0.78 | 0.24 | N/A | | 0.5360 | 0.5458 | 163.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 161.76 | 1338.18 | 9.29 | 1783.74 | 1.09 | 0.00 | 0.00 |
| 4:25 | 2.1 | 0.82 | 0.24 | N/A | | 0.5748 | 0.5854 | 175.63 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 173.64 | 1370.45 | 9.52 | 1947.86 | 1.19 | 0.00 | 0.00 |
| 4:30 | 2.1 | 0.82 | 0.24 | N/A | | 0.5748 | 0.5854 | 175.63 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 173.64 | 1405.20 | 9.76 | 2111.75 | 1.29 | 0.00 | 0.00 |
| 4:35 | 2.2 | 0.86 | 0.24 | N/A | | 0.6137 | 0.6250 | 187.51 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 185.52 | 1439.89 | 10.00 | 2287.27 | 1.40 | 0.00 | 0.00 |
| 4:40 | 2.3 | 0.89 | 0.24 | N/A | | 0.6526 | 0.6646 | 199.39 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 197.40 | 1477.04 | 10.26 | 2474.41 | 1.51 | 0.00 | 0.00 |
| 4:45 | 2.4 | 0.93 | 0.24 | N/A | | 0.6915 | 0.7042 | 211.27 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 209.28 | 1516.66 | 10.53 | 2673.16 | 1.63 | 0.00 | 0.00 |
| 4:50 | 2.4 | 0.93 | 0.24 | N/A | | 0.6915 | 0.7042 | 211.27 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 209.28 | 1558.73 | 10.82 | 2871.62 | 1.76 | 0.00 | 0.00 |
| 4:55 | 2.5 | 0.97 | 0.24 | N/A | | 0.7304 | 0.7438 | 223.15 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 221.16 | 1600.74 | 11.12 | 3081.66 | 1.88 | 0.00 | 0.00 |
| **5:00** | 2.6 | 1.01 | 0.24 | N/A | | 0.7692 | 0.7834 | 235.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 233.04 | 1645.20 | 11.43 | 3303.27 | 2.02 | 0.00 | 0.00 |
| 5:05 | 3.1 | 1.21 | 0.24 | N/A | | 0.9636 | 0.9814 | 294.42 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 292.43 | 1692.12 | 11.75 | 3583.95 | 2.19 | 0.00 | 0.00 |
| 5:10 | 3.6 | 1.40 | 0.24 | N/A | | 1.1580 | 1.1794 | 353.81 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 351.83 | 1751.53 | 12.16 | 3923.61 | 2.40 | 0.00 | 0.00 |
| 5:15 | 3.9 | 1.52 | 0.24 | N/A | | 1.2747 | 1.2982 | 389.45 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 387.46 | 1823.43 | 12.66 | 4298.41 | 2.63 | 0.00 | 0.00 |
| 5:20 | 4.2 | 1.63 | 0.24 | N/A | | 1.3913 | 1.4170 | 425.09 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 423.10 | 1902.77 | 13.21 | 4708.30 | 2.88 | 0.00 | 0.00 |
| 5:25 | 4.7 | 1.83 | 0.24 | N/A | | 1.5857 | 1.6149 | 484.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 482.49 | 1989.54 | 13.82 | 5176.97 | 3.16 | 0.00 | 0.00 |
| 5:30 | 5.6 | 2.18 | 0.24 | N/A | | **1.9356** | **1.9713** | **591.39** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 589.40 | 2088.75 | 14.51 | 5751.87 | 3.52 | 0.00 | 0.00 |
| 5:35 | 1.9 | 0.74 | 0.24 | N/A | | 0.4971 | 0.5062 | 151.87 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 149.89 | 2210.45 | 15.35 | 5886.41 | 3.60 | 0.00 | 0.00 |
| 5:40 | 0.9 | 0.35 | 0.24 | N/A | | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 2238.93 | 15.55 | 5901.96 | 3.61 | 0.00 | 0.00 |
| 5:45 | 0.6 | 0.23 | 0.24 | 0.19 | | 0.0467 | 0.0475 | 14.25 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 12.27 | 2242.22 | 15.57 | **5898.65** | **3.61** | 0.00 | 0.00 |
| 5:50 | 0.5 | 0.19 | 0.24 | 0.16 | | 0.0389 | 0.0396 | 11.88 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 9.89 | 2241.52 | 15.57 | 5892.98 | 3.60 | 0.00 | 0.00 |
| 5:55 | 0.3 | 0.12 | 0.24 | 0.09 | | 0.0233 | 0.0238 | 7.13 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 5.14 | 2240.32 | 15.56 | 5882.56 | 3.60 | 0.00 | 0.00 |
| **6:00** | 0.2 | 0.08 | 0.24 | 0.06 | | 0.0156 | 0.0158 | 4.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 2.76 | 2238.11 | 15.54 | 5869.78 | 3.59 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2235.41 | 15.52 | 5854.26 | 3.58 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2232.12 | 15.50 | 5838.76 | 3.57 | 0.00 | 0.00 |
| 6:15 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2228.84 | 15.48 | 5823.28 | 3.56 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 353.33 | 19.37 | 0.00 | 2225.57 | 15.46 | 5807.82 | 3.55 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 351.35 | 19.21 | 0.00 | 2222.29 | 15.43 | 5792.39 | 3.54 | 0.00 | 0.00 |
| 6:30 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 349.36 | 19.05 | 0.00 | 2219.03 | 15.41 | 5776.98 | 3.53 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 347.37 | 18.89 | 0.00 | 2215.77 | 15.39 | 5761.59 | 3.52 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 345.38 | 18.73 | 0.00 | 2212.51 | 15.36 | 5746.23 | 3.51 | 0.00 | 0.00 |
| 6:45 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 343.40 | 18.58 | 0.00 | 2209.26 | 15.34 | 5730.89 | 3.50 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 341.41 | 18.42 | 0.00 | 2206.01 | 15.32 | 5715.57 | 3.49 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 339.42 | 18.26 | 0.00 | 2202.76 | 15.30 | 5700.27 | 3.48 | 0.00 | 0.00 |
| **7:00** | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 337.44 | 18.10 | 0.00 | 2199.53 | 15.27 | 5685.00 | 3.48 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | | **6844.04** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**24 Hour Storm in 15 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:15 | 0.2 | 0.04 | 0.42 | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 30.89 | 0.64 | 6.37 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.3 | 0.06 | 0.42 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 36.34 | 0.76 | 16.12 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.3 | 0.06 | 0.41 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 44.68 | 0.93 | 25.71 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.4 | 0.08 | 0.41 | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 52.88 | 1.10 | 38.63 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.3 | 0.06 | 0.40 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 63.93 | 1.33 | 47.81 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.3 | 0.06 | 0.40 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 71.78 | 1.50 | 56.83 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.3 | 0.06 | 0.40 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 79.50 | 1.66 | 65.69 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **2:00** | 0.4 | 0.08 | 0.39 | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 87.07 | 1.81 | 77.89 | 3.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:15 | 0.4 | 0.08 | 0.39 | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 97.51 | 2.03 | 89.88 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:30 | 0.4 | 0.08 | 0.38 | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 107.76 | 2.25 | 101.66 | 5.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:45 | 0.5 | 0.10 | 0.38 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 117.84 | 2.45 | 116.73 | 5.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **3:00** | 0.5 | 0.10 | 0.37 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 130.72 | 2.72 | 131.53 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:15 | 0.5 | 0.10 | 0.37 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 143.38 | 2.99 | 146.07 | 7.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:30 | 0.5 | 0.10 | 0.36 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 155.82 | 3.25 | 160.35 | 8.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:45 | 0.5 | 0.10 | 0.36 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 168.03 | 3.50 | 174.37 | 8.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **4:00** | 0.6 | 0.11 | 0.35 | 0.09 | 0.0229 | 0.0234 | 21.03 | 0.00 | 180.02 | 3.75 | 191.65 | 9.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:15 | 0.6 | 0.11 | 0.35 | 0.09 | 0.0229 | 0.0234 | 21.03 | 0.00 | 194.80 | 4.06 | 208.62 | 10.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:30 | 0.7 | 0.13 | 0.34 | 0.11 | 0.0268 | 0.0273 | 24.53 | 0.00 | 209.32 | 4.36 | 228.79 | 11.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:45 | 0.7 | 0.13 | 0.34 | 0.11 | 0.0268 | 0.0273 | 24.53 | 0.00 | 226.57 | 4.72 | 248.61 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **5:00** | 0.8 | 0.15 | 0.34 | 0.12 | 0.0306 | 0.0312 | 28.04 | 0.00 | 243.52 | 5.07 | 271.58 | 13.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:15 | 0.6 | 0.11 | 0.33 | 0.09 | 0.0229 | 0.0234 | 21.03 | 0.00 | 263.16 | 5.48 | 287.12 | 14.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:30 | 0.7 | 0.13 | 0.33 | 0.11 | 0.0268 | 0.0273 | 24.53 | 0.00 | 276.46 | 5.76 | 310.07 | 15.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:45 | 0.8 | 0.15 | 0.32 | 0.12 | 0.0306 | 0.0312 | 28.04 | 0.00 | 286.14 | 5.96 | 332.15 | 17.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **6:00** | 0.8 | 0.15 | 0.32 | 0.12 | 0.0306 | 0.0312 | 28.04 | 0.00 | 286.14 | 5.96 | 354.23 | 19.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:15 | 0.9 | 0.17 | 0.31 | 0.14 | 0.0344 | 0.0350 | 31.54 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 18.53 | 992.86 | 18.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:30 | 0.9 | 0.17 | 0.31 | 0.14 | 0.0344 | 0.0350 | 31.54 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 25.58 | 992.86 | 20.68 | 4.90 | 0.00 | 0.00 | 0.00 |
| 6:45 | 1 | 0.19 | 0.31 | 0.15 | 0.0382 | 0.0389 | 35.05 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 29.09 | 993.90 | 20.71 | 13.28 | 0.01 | 0.00 | 0.00 |
| **7:00** | 1 | 0.19 | 0.30 | 0.15 | 0.0382 | 0.0389 | 35.05 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 29.09 | 995.67 | 20.74 | 21.63 | 0.01 | 0.00 | 0.00 |
| 7:15 | 1 | 0.19 | 0.30 | 0.15 | 0.0382 | 0.0389 | 35.05 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 29.09 | 997.44 | 20.78 | 29.94 | 0.02 | 0.00 | 0.00 |
| 7:30 | 1.1 | 0.21 | 0.29 | 0.17 | 0.0421 | 0.0428 | 38.55 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 32.59 | 999.20 | 20.82 | 41.71 | 0.03 | 0.00 | 0.00 |
| 7:45 | 1.2 | 0.23 | 0.29 | 0.18 | 0.0459 | 0.0467 | 42.06 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 36.10 | 1001.69 | 20.87 | 56.94 | 0.03 | 0.00 | 0.00 |
| **8:00** | 1.3 | 0.25 | 0.29 | 0.20 | 0.0497 | 0.0506 | 45.56 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 39.60 | 1004.91 | 20.94 | 75.61 | 0.05 | 0.00 | 0.00 |
| 8:15 | 1.5 | 0.29 | 0.28 | 0.23 | 0.0574 | 0.0584 | 52.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 46.61 | 1008.87 | 21.02 | 101.21 | 0.06 | 0.00 | 0.00 |
| 8:30 | 1.5 | 0.29 | 0.28 | 0.23 | 0.0574 | 0.0584 | 52.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 46.61 | 1014.28 | 21.13 | 126.69 | 0.08 | 0.00 | 0.00 |
| 8:45 | 1.6 | 0.31 | 0.27 | 0.24 | 0.0612 | 0.0623 | 56.08 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.12 | 1019.68 | 21.24 | 155.56 | 0.10 | 0.00 | 0.00 |
| **9:00** | 1.7 | 0.33 | 0.27 | 0.26 | 0.0650 | 0.0662 | 59.58 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 53.62 | 1025.79 | 21.37 | 187.82 | 0.11 | 0.00 | 0.00 |
| 9:15 | 1.9 | 0.36 | 0.27 | N/A | 0.0975 | 0.0993 | 89.34 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 83.37 | 1032.62 | 21.51 | 249.68 | 0.15 | 0.00 | 0.00 |
| 9:30 | 2 | 0.38 | 0.26 | N/A | 0.1204 | 0.1226 | 110.34 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 104.37 | 1045.71 | 21.79 | 332.27 | 0.20 | 0.00 | 0.00 |
| 9:45 | 2.1 | 0.40 | 0.26 | N/A | 0.1433 | 0.1459 | 131.30 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 125.34 | 1063.20 | 22.15 | 435.46 | 0.27 | 0.00 | 0.00 |
| **10:00** | 2.2 | 0.42 | 0.25 | N/A | 0.1661 | 0.1692 | 152.24 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 146.28 | 1085.04 | 22.61 | 559.13 | 0.34 | 0.00 | 0.00 |
| 10:15 | 1.5 | 0.29 | 0.25 | 0.23 | 0.0574 | 0.0584 | 52.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 46.61 | 1111.22 | 23.15 | 582.59 | 0.36 | 0.00 | 0.00 |
| 10:30 | 1.5 | 0.29 | 0.25 | 0.23 | 0.0574 | 0.0584 | 52.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 46.61 | 1116.19 | 23.25 | 605.95 | 0.37 | 0.00 | 0.00 |
| 10:45 | 2 | 0.38 | 0.24 | N/A | 0.1388 | 0.1413 | 127.21 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 121.25 | 1121.13 | 23.36 | 703.85 | 0.43 | 0.00 | 0.00 |
| **11:00** | 2 | 0.38 | 0.24 | N/A | 0.1424 | 0.1450 | 130.49 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 124.53 | 1141.85 | 23.79 | 804.59 | 0.49 | 0.00 | 0.00 |
| 11:15 | 1.9 | 0.36 | 0.24 | N/A | 0.1268 | 0.1291 | 116.20 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 110.24 | 1163.18 | 24.23 | 890.60 | 0.54 | 0.00 | 0.00 |
| 11:30 | 1.9 | 0.36 | 0.23 | N/A | 0.1303 | 0.1327 | 119.41 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 113.45 | 1181.39 | 24.61 | 979.43 | 0.60 | 0.00 | 0.00 |
| 11:45 | 1.7 | 0.33 | 0.23 | N/A | 0.0955 | 0.0973 | 87.53 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 81.57 | 1200.19 | 25.00 | 1035.99 | 0.63 | 0.00 | 0.00 |
| **12:00** | 1.8 | 0.34 | 0.23 | N/A | 0.1180 | 0.1202 | 108.19 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 102.23 | 1212.17 | 25.25 | 1112.97 | 0.68 | 0.00 | 0.00 |
| 12:15 | 2.5 | 0.48 | 0.22 | N/A | 0.2553 | 0.2600 | 233.96 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 228.00 | 1228.46 | 25.59 | 1315.38 | 0.80 | 0.00 | 0.00 |
| 12:30 | 2.6 | 0.50 | 0.22 | N/A | 0.2777 | 0.2828 | 254.55 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 248.59 | 1271.31 | 26.49 | 1537.48 | 0.94 | 0.00 | 0.00 |
| 12:45 | 2.8 | 0.54 | 0.22 | N/A | 0.3193 | 0.3251 | 292.63 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 286.66 | 1318.32 | 27.47 | 1796.68 | 1.10 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **13:00** | 2.9 | 0.55 | 0.21 | N/A | | 0.3416 | 0.3479 | 313.14 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 307.18 | 1373.19 | 28.61 | 2075.25 | 1.27 | 0.00 | 0.00 |
| 13:15 | 3.4 | 0.65 | 0.21 | N/A | | 0.4405 | 0.4486 | 403.72 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 397.76 | 1432.16 | 29.84 | 2443.17 | 1.49 | 0.00 | 0.00 |
| 13:30 | 3.4 | 0.65 | 0.21 | N/A | | **0.4436** | **0.4518** | **406.63** | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 400.67 | 1510.04 | 31.46 | 2812.38 | 1.72 | 0.00 | 0.00 |
| 13:45 | 2.3 | 0.44 | 0.20 | N/A | | 0.2365 | 0.2408 | 216.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 210.77 | 1588.20 | 33.09 | 2990.07 | 1.83 | 0.00 | 0.00 |
| **14:00** | 2.3 | 0.44 | 0.20 | N/A | | 0.2396 | 0.2440 | 219.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 213.61 | 1625.82 | 33.87 | 3169.81 | 1.94 | 0.00 | 0.00 |
| 14:15 | 2.7 | 0.52 | 0.20 | N/A | | 0.3191 | 0.3250 | 292.47 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 286.51 | 1663.86 | 34.66 | 3421.66 | 2.09 | 0.00 | 0.00 |
| 14:30 | 2.6 | 0.50 | 0.19 | N/A | | 0.3030 | 0.3086 | 277.71 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 271.75 | 1717.18 | 35.77 | 3657.64 | 2.24 | 0.00 | 0.00 |
| 14:45 | 2.6 | 0.50 | 0.19 | N/A | | 0.3060 | 0.3116 | 280.43 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 274.47 | 1767.13 | 36.82 | 3895.29 | 2.38 | 0.00 | 0.00 |
| **15:00** | 2.5 | 0.48 | 0.19 | N/A | | 0.2898 | 0.2951 | 265.59 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 259.63 | 1817.44 | 37.86 | 4117.06 | 2.52 | 0.00 | 0.00 |
| 15:15 | 2.4 | 0.46 | 0.19 | N/A | | 0.2735 | 0.2786 | 250.70 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 244.74 | 1864.38 | 38.84 | 4322.96 | 2.64 | 0.00 | 0.00 |
| 15:30 | 2.3 | 0.44 | 0.18 | N/A | | 0.2572 | 0.2620 | 235.78 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 229.82 | 1907.97 | 39.75 | 4513.02 | 2.76 | 0.00 | 0.00 |
| 15:45 | 1.9 | 0.36 | 0.18 | N/A | | 0.1835 | 0.1869 | 168.24 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 162.27 | 1948.20 | 40.59 | 4634.71 | 2.83 | 0.00 | 0.00 |
| **16:00** | 1.9 | 0.36 | 0.18 | N/A | | 0.1863 | 0.1897 | 170.75 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 164.79 | 1973.96 | 41.12 | **4758.37** | **2.91** | 0.00 | 0.00 |
| 16:15 | 0.4 | 0.08 | 0.17 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 2000.14 | 41.67 | 4724.76 | 2.89 | 0.00 | 0.00 |
| 16:30 | 0.4 | 0.08 | 0.17 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1993.03 | 41.52 | 4691.30 | 2.87 | 0.00 | 0.00 |
| 16:45 | 0.3 | 0.06 | 0.17 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1985.94 | 41.37 | 4654.48 | 2.85 | 0.00 | 0.00 |
| **17:00** | 0.3 | 0.06 | 0.17 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1978.15 | 41.21 | 4617.82 | 2.82 | 0.00 | 0.00 |
| 17:15 | 0.5 | 0.10 | 0.16 | | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 11.56 | 1970.39 | 41.05 | 4588.34 | 2.80 | 0.00 | 0.00 |
| 17:30 | 0.5 | 0.10 | 0.16 | | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 11.56 | 1964.15 | 40.92 | 4558.98 | 2.79 | 0.00 | 0.00 |
| 17:45 | 0.5 | 0.10 | 0.16 | | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 11.56 | 1957.93 | 40.79 | 4529.75 | 2.77 | 0.00 | 0.00 |
| **18:00** | 0.4 | 0.08 | 0.16 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1951.74 | 40.66 | 4497.15 | 2.75 | 0.00 | 0.00 |
| 18:15 | 0.4 | 0.08 | 0.15 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1944.84 | 40.52 | 4464.69 | 2.73 | 0.00 | 0.00 |
| 18:30 | 0.4 | 0.08 | 0.15 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1937.97 | 40.37 | 4432.38 | 2.71 | 0.00 | 0.00 |
| 18:45 | 0.3 | 0.06 | 0.15 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1931.13 | 40.23 | 4396.70 | 2.69 | 0.00 | 0.00 |
| **19:00** | 0.2 | 0.04 | 0.15 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1923.58 | 40.07 | 4357.67 | 2.66 | 0.00 | 0.00 |
| 19:15 | 0.3 | 0.06 | 0.15 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1915.32 | 39.90 | 4322.32 | 2.64 | 0.00 | 0.00 |
| 19:30 | 0.4 | 0.08 | 0.14 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1907.83 | 39.75 | 4290.63 | 2.62 | 0.00 | 0.00 |
| 19:45 | 0.3 | 0.06 | 0.14 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1901.13 | 39.61 | 4255.58 | 2.60 | 0.00 | 0.00 |
| **20:00** | 0.2 | 0.04 | 0.14 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1893.71 | 39.45 | 4217.18 | 2.58 | 0.00 | 0.00 |
| 20:15 | 0.3 | 0.06 | 0.14 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1885.58 | 39.28 | 4182.45 | 2.56 | 0.00 | 0.00 |
| 20:30 | 0.3 | 0.06 | 0.14 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1878.23 | 39.13 | 4147.87 | 2.54 | 0.00 | 0.00 |
| 20:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1870.91 | 38.98 | 4113.45 | 2.51 | 0.00 | 0.00 |
| **21:00** | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1863.62 | 38.83 | 4075.67 | 2.49 | 0.00 | 0.00 |
| 21:15 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1855.62 | 38.66 | 4041.57 | 2.47 | 0.00 | 0.00 |
| 21:30 | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1848.40 | 38.51 | 4004.11 | 2.45 | 0.00 | 0.00 |
| 21:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1840.47 | 38.34 | 3970.32 | 2.43 | 0.00 | 0.00 |
| **22:00** | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1833.32 | 38.19 | 3933.17 | 2.40 | 0.00 | 0.00 |
| 22:15 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1825.46 | 38.03 | 3899.70 | 2.38 | 0.00 | 0.00 |
| 22:30 | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1818.37 | 37.88 | 3862.86 | 2.36 | 0.00 | 0.00 |
| 22:45 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1810.57 | 37.72 | 3826.19 | 2.34 | 0.00 | 0.00 |
| **23:00** | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1802.81 | 37.56 | 3789.68 | 2.32 | 0.00 | 0.00 |
| 23:15 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1795.08 | 37.40 | 3753.33 | 2.29 | 0.00 | 0.00 |
| 23:30 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1787.39 | 37.24 | 3717.14 | 2.27 | 0.00 | 0.00 |
| 23:45 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1779.73 | 37.08 | 3681.11 | 2.25 | 0.00 | 0.00 |
| **24:00** | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1772.10 | 36.92 | 3645.24 | 2.23 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.12 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 5.96 | 355.32 | 19.53 | 0.00 | 1764.51 | 36.76 | 3608.48 | 2.21 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **6835.82** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**HYDROLOGY CALCULATIONS -**

**Using the RCFC&WCD Short Cut Unit Hydrograph Method**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Area Designations** | **Basin B** | | | | | |
| **Drainage Area (ac.)** | **1.0900** | | | | | |
| Unit time (minutes) | **5** | **5** | **5** | **15** | | |
| 100 Year Storm Duration (hrs) | 1 | 3 | 6 | 24 | | |
| Total Precipitation (Plates D-4.4,E-5.2, 5.4, 5.6)(in.) | **1.76** | **2.49** | **3.24** | **4.78** | Or data from NOAA interactive website | |
| Soils Group | A | | | | | |
| AMC index II Runoff Number (plate E-6.1) | 32 | | | | | |
| Plate E-6.2 Pervious Area Loss Rate (Fp)(in/hr) | 0.74 | (AMC II) | | | | |
| Percentage of Impervious Cover (Ai)(%) (plate E-6.3) | | **76.96** | (See impervious/pervious area calculations included in report) | | | |
| Weighted Average Loss Rate (F=Fp(1-.9Ai))(in./hr.) | 0.23 | (used for 1, 3, and 6 hour storm, the 24 hour storm uses variable maximum loss rate per plate E-1.1 (3 of 6)) | | | | |
| Low Loss Rate Percent (%) | 80 | | | | | |
| Retention Basin Percolation Rate (in/hr) | **1** | (also used for drywell percolation rate) | | | | |

**Percolation is taken incrementally.**

**Basin volume is calculated using the "truncated pyramid" formula, a more conservative estimate than "averaged end areas" sometimes used**

**(Drywell can be "zeroed out" by reducing numbers to less than .001, but should not entered as zeros or program chokes.)**

**Drywell storage includes 40% of the 1' wide rock bed surrounding the drywell: formula (upper)*PI()*(diam/2)^2+(lower)*PI()*((diam/2)^2+0.4*((diam/2+(grav+0.4166))^2-(diam/2+0.4166)^2))**

**The drywell wall thickness is assumed at 5" (0.4166) and the gravel bed width is variable "grav"**

**Drywell design factors** **Upper sec. (ft.)=** **5** **Lower sec. (ft.)=** **15** **Ring diam. (ft.) =** **4** **Drywell lower max. (cf)=** **298.45** **Upper max.(cf)=** **62.83**

**Gravel bed width around drwyell=** **1** **Drywell total(cf)=** **361.28**

**Ret. Basin design (area, depth)** **Top =** **2656.01** s.f. **Bot. =** **1164.93** **s.f.** **Max. Depth (d)=** **4** **Max. storage=** **7439.91** (d/3)*(bottom+top+(bottom*top)^0.50)

**Formulas** **vol=(h/3)*(bottom+top+(bottom*top)^0.50)** **area=bottom+(h/d)*(top-bottom)** **h=(vol*3)/(bottom+top+(bottom*top)^0.5)** **(values must be non-zero or error occurs)**

**Outside input from:** **N/A**

**1 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 3.7 | 0.7814 | 0.2274 | N/A | | 0.5540 | 0.6089 | 182.67 | 0.00 | 30.89 | 0.21 | 182.45 | 9.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 4.8 | 1.0138 | 0.2274 | N/A | | 0.7863 | 0.8642 | 259.27 | 0.00 | 186.93 | 1.30 | 361.28 | 20.00 | 79.14 | 1164.93 | 8.09 | 71.05 | 0.04 | 0.00 | 0.00 |
| 0:15 | 5.1 | 1.0771 | 0.2274 | N/A | | 0.8497 | 0.9339 | 280.16 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 278.17 | 1179.17 | 8.19 | 341.03 | 0.18 | 0.00 | 0.00 |
| 0:20 | 4.9 | 1.0349 | 0.2274 | N/A | | 0.8074 | 0.8874 | 266.23 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 264.24 | 1233.28 | 8.56 | 596.71 | 0.32 | 0.00 | 0.00 |
| 0:25 | 6.6 | 1.3939 | 0.2274 | N/A | | 1.1665 | 1.2821 | 384.62 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 382.63 | 1284.52 | 8.92 | 970.42 | 0.52 | 0.00 | 0.00 |
| 0:30 | 7.3 | 1.5418 | 0.2274 | N/A | | 1.3143 | 1.4445 | 433.36 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 431.37 | 1359.42 | 9.44 | 1392.35 | 0.75 | 0.00 | 0.00 |
| 0:35 | 8.4 | 1.7741 | 0.2274 | N/A | | 1.5466 | 1.6999 | 509.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 507.98 | 1443.98 | 10.03 | 1890.30 | 1.02 | 0.00 | 0.00 |
| 0:40 | 9 | 1.9008 | 0.2274 | N/A | | 1.6734 | 1.8392 | 551.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 549.76 | 1543.78 | 10.72 | 2429.34 | 1.31 | 0.00 | 0.00 |
| 0:45 | 12.3 | 2.5978 | 0.2274 | N/A | | 2.3703 | 2.6052 | 781.55 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 779.56 | 1651.81 | 11.47 | 3197.44 | 1.72 | 0.00 | 0.00 |
| 0:50 | 17.6 | 3.7171 | 0.2274 | N/A | | **3.4897** | **3.8354** | **1150.63** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 1148.65 | 1805.75 | 12.54 | 4333.54 | 2.33 | 0.00 | 0.00 |
| 0:55 | 16.1 | 3.4003 | 0.2274 | N/A | | 3.1729 | 3.4873 | 1046.18 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 1044.19 | 2033.44 | 14.12 | 5363.61 | 2.88 | 0.00 | 0.00 |
| **1:00** | 4.2 | 0.8870 | 0.2274 | N/A | | 0.6596 | 0.7249 | 217.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 215.50 | 2239.88 | 15.55 | **5563.55** | **2.99** | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2274 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2279.96 | 15.83 | 5547.72 | 2.98 | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2274 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2276.78 | 15.81 | 5531.91 | 2.97 | 0.00 | 0.00 |
| 1:15 | 0 | 0.0000 | 0.2274 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2273.61 | 15.79 | 5516.12 | 2.97 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **6063.85** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**3 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 1.3 | 0.39 | 0.23 | N/A | | 0.1610 | 0.1769 | 53.08 | 0.00 | 30.89 | 0.21 | 52.87 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 1.3 | 0.39 | 0.23 | N/A | | 0.1610 | 0.1769 | 53.08 | 0.00 | 76.11 | 0.53 | 105.42 | 5.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 1.1 | 0.33 | 0.23 | N/A | | 0.1012 | 0.1113 | 33.38 | 0.00 | 121.06 | 0.84 | 137.96 | 6.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:20 | 1.5 | 0.45 | 0.23 | N/A | | 0.2208 | 0.2426 | 72.79 | 0.00 | 148.89 | 1.03 | 209.72 | 10.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:25 | 1.5 | 0.45 | 0.23 | N/A | | 0.2208 | 0.2426 | 72.79 | 0.00 | 210.25 | 1.46 | 281.04 | 14.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 271.26 | 1.88 | 361.28 | 20.00 | 20.22 | 1164.93 | 8.09 | 12.14 | 0.01 | 0.00 | 0.00 |
| 0:35 | 1.5 | 0.45 | 0.23 | N/A | | 0.2208 | 0.2426 | 72.79 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 70.80 | 1167.36 | 8.11 | 74.83 | 0.04 | 0.00 | 0.00 |
| 0:40 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 1179.93 | 8.19 | 166.99 | 0.09 | 0.00 | 0.00 |
| 0:45 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 1198.40 | 8.32 | 259.03 | 0.14 | 0.00 | 0.00 |
| 0:50 | 1.5 | 0.45 | 0.23 | N/A | | 0.2208 | 0.2426 | 72.79 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 70.80 | 1216.84 | 8.45 | 321.38 | 0.17 | 0.00 | 0.00 |
| 0:55 | 1.6 | 0.48 | 0.23 | N/A | | 0.2506 | 0.2755 | 82.64 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 80.65 | 1229.34 | 8.54 | 393.49 | 0.21 | 0.00 | 0.00 |
| **1:00** | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 1243.79 | 8.64 | 485.21 | 0.26 | 0.00 | 0.00 |
| 1:05 | 2.2 | 0.66 | 0.23 | N/A | | 0.4299 | 0.4725 | 141.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 139.77 | 1262.17 | 8.77 | 616.22 | 0.33 | 0.00 | 0.00 |
| 1:10 | 2.2 | 0.66 | 0.23 | N/A | | 0.4299 | 0.4725 | 141.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 139.77 | 1288.43 | 8.95 | 747.03 | 0.40 | 0.00 | 0.00 |
| 1:15 | 2.2 | 0.66 | 0.23 | N/A | | 0.4299 | 0.4725 | 141.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 139.77 | 1314.65 | 9.13 | 877.67 | 0.47 | 0.00 | 0.00 |
| 1:20 | 2 | 0.60 | 0.23 | N/A | | 0.3702 | 0.4068 | 122.05 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 120.06 | 1340.83 | 9.31 | 988.42 | 0.53 | 0.00 | 0.00 |
| 1:25 | 2.6 | 0.78 | 0.23 | N/A | | 0.5494 | 0.6039 | 181.16 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 179.17 | 1363.03 | 9.47 | 1158.13 | 0.62 | 0.00 | 0.00 |
| 1:30 | 2.7 | 0.81 | 0.23 | N/A | | 0.5793 | 0.6367 | 191.01 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 189.03 | 1397.04 | 9.70 | 1337.46 | 0.72 | 0.00 | 0.00 |
| 1:35 | 2.4 | 0.72 | 0.23 | N/A | | 0.4897 | 0.5382 | 161.46 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 159.47 | 1432.98 | 9.95 | 1486.98 | 0.80 | 0.00 | 0.00 |
| 1:40 | 2.7 | 0.81 | 0.23 | N/A | | 0.5793 | 0.6367 | 191.01 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 189.03 | 1462.94 | 10.16 | 1665.84 | 0.90 | 0.00 | 0.00 |
| 1:45 | 3.3 | 0.99 | 0.23 | N/A | | 0.7586 | 0.8338 | 250.13 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 248.14 | 1498.79 | 10.41 | 1903.58 | 1.02 | 0.00 | 0.00 |
| 1:50 | 3.1 | 0.93 | 0.23 | N/A | | 0.6988 | 0.7681 | 230.42 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 228.44 | 1546.44 | 10.74 | 2121.27 | 1.14 | 0.00 | 0.00 |
| 1:55 | 2.9 | 0.87 | 0.23 | N/A | | 0.6391 | 0.7024 | 210.72 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 208.73 | 1590.07 | 11.04 | 2318.96 | 1.25 | 0.00 | 0.00 |
| **2:00** | 3 | 0.90 | 0.23 | N/A | | 0.6690 | 0.7352 | 220.57 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 218.58 | 1629.69 | 11.32 | 2526.23 | 1.36 | 0.00 | 0.00 |
| 2:05 | 3.1 | 0.93 | 0.23 | N/A | | 0.6988 | 0.7681 | 230.42 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 228.44 | 1671.23 | 11.61 | 2743.06 | 1.47 | 0.00 | 0.00 |
| 2:10 | 4.2 | 1.25 | 0.23 | N/A | | 1.0275 | 1.1293 | 338.80 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 336.81 | 1714.68 | 11.91 | 3067.96 | 1.65 | 0.00 | 0.00 |
| 2:15 | 5 | 1.49 | 0.23 | N/A | | 1.2666 | 1.3920 | 417.61 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 415.63 | 1779.80 | 12.36 | 3471.23 | 1.87 | 0.00 | 0.00 |
| 2:20 | 3.5 | 1.05 | 0.23 | N/A | | 0.8184 | 0.8994 | 269.83 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 267.84 | 1860.62 | 12.92 | 3726.15 | 2.00 | 0.00 | 0.00 |
| 2:25 | 6.8 | 2.03 | 0.23 | N/A | | 1.8044 | 1.9832 | 594.95 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 592.97 | 1911.71 | 13.28 | 4305.84 | 2.31 | 0.00 | 0.00 |
| 2:30 | 7.3 | 2.18 | 0.23 | N/A | | 1.9538 | 2.1474 | 644.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 642.23 | 2027.89 | 14.08 | 4933.99 | 2.65 | 0.00 | 0.00 |
| 2:35 | 8.2 | 2.45 | 0.23 | N/A | | **2.2227** | **2.4429** | **732.88** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 730.90 | 2153.78 | 14.96 | 5649.93 | 3.04 | 0.00 | 0.00 |
| 2:40 | 5.9 | 1.76 | 0.23 | N/A | | 1.5355 | 1.6876 | 506.28 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 504.30 | 2297.27 | 15.95 | 6138.27 | 3.30 | 0.00 | 0.00 |
| 2:45 | 2 | 0.60 | 0.23 | N/A | | 0.3702 | 0.4068 | 122.05 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 120.06 | 2395.14 | 16.63 | 6241.70 | 3.36 | 0.00 | 0.00 |
| 2:50 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 2415.87 | 16.78 | 6325.28 | 3.40 | 0.00 | 0.00 |
| 2:55 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 2432.62 | 16.89 | **6408.74** | **3.45** | 0.00 | 0.00 |
| **3:00** | 0.6 | 0.18 | 0.23 | 0.14 | | 0.0359 | 0.0394 | 11.82 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 9.84 | 2449.35 | 17.01 | 6401.57 | 3.44 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2447.91 | 17.00 | 6384.57 | 3.43 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2444.50 | 16.98 | 6367.60 | 3.42 | 0.00 | 0.00 |
| 3:15 | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2441.10 | 16.95 | 6350.64 | 3.41 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 353.33 | 19.37 | 0.00 | 2437.70 | 16.93 | 6333.71 | 3.41 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 351.35 | 19.21 | 0.00 | 2434.31 | 16.90 | 6316.81 | 3.40 | 0.00 | 0.00 |
| 3:30 | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 349.36 | 19.05 | 0.00 | 2430.92 | 16.88 | 6299.93 | 3.39 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 347.37 | 18.89 | 0.00 | 2427.54 | 16.86 | 6283.07 | 3.38 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 345.38 | 18.73 | 0.00 | 2424.16 | 16.83 | 6266.24 | 3.37 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | | **7180.08** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**6 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 0.5 | 0.19 | 0.23 | 0.16 | 0.0389 | 0.0427 | 12.82 | 0.00 | 30.89 | 0.21 | 12.61 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 41.67 | 0.29 | 27.70 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 54.58 | 0.38 | 42.70 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:20 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 67.41 | 0.47 | 57.62 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:25 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 80.17 | 0.56 | 72.45 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 92.85 | 0.64 | 89.75 | 4.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:35 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 107.65 | 0.75 | 106.95 | 5.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:40 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 122.36 | 0.85 | 124.05 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 136.98 | 0.95 | 141.04 | 7.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:50 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 151.52 | 1.05 | 157.94 | 7.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:55 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 165.97 | 1.15 | 174.73 | 8.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 180.33 | 1.25 | 201.04 | 10.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:05 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 202.84 | 1.41 | 227.20 | 11.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:10 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 225.21 | 1.56 | 253.20 | 12.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 247.44 | 1.72 | 279.04 | 14.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:20 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 269.55 | 1.87 | 311.88 | 16.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:25 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 337.46 | 18.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 1.75 | 1164.93 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:35 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1164.93 | 8.09 | 17.49 | 0.01 | 0.00 | 0.00 |
| 1:40 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1168.43 | 8.11 | 34.95 | 0.02 | 0.00 | 0.00 |
| 1:45 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1171.93 | 8.14 | 52.39 | 0.03 | 0.00 | 0.00 |
| 1:50 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1175.43 | 8.16 | 69.80 | 0.04 | 0.00 | 0.00 |
| 1:55 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1178.92 | 8.19 | 87.19 | 0.05 | 0.00 | 0.00 |
| **2:00** | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1182.40 | 8.21 | 117.37 | 0.06 | 0.00 | 0.00 |
| 2:05 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1188.45 | 8.25 | 134.69 | 0.07 | 0.00 | 0.00 |
| 2:10 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1191.92 | 8.28 | 164.81 | 0.09 | 0.00 | 0.00 |
| 2:15 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1197.96 | 8.32 | 194.89 | 0.10 | 0.00 | 0.00 |
| 2:20 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1203.99 | 8.36 | 224.92 | 0.12 | 0.00 | 0.00 |
| 2:25 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1210.01 | 8.40 | 254.92 | 0.14 | 0.00 | 0.00 |
| 2:30 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1216.02 | 8.44 | 284.87 | 0.15 | 0.00 | 0.00 |
| 2:35 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1222.02 | 8.49 | 314.78 | 0.17 | 0.00 | 0.00 |
| 2:40 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1228.02 | 8.53 | 344.64 | 0.19 | 0.00 | 0.00 |
| 2:45 | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1234.00 | 8.57 | 387.29 | 0.21 | 0.00 | 0.00 |
| 2:50 | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1242.55 | 8.63 | 429.88 | 0.23 | 0.00 | 0.00 |
| 2:55 | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1251.08 | 8.69 | 472.40 | 0.25 | 0.00 | 0.00 |
| **3:00** | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1259.61 | 8.75 | 514.87 | 0.28 | 0.00 | 0.00 |
| 3:05 | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1268.12 | 8.81 | 557.28 | 0.30 | 0.00 | 0.00 |
| 3:10 | 1.1 | 0.43 | 0.23 | N/A | 0.2002 | 0.2201 | 66.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 64.03 | 1276.62 | 8.87 | 612.45 | 0.33 | 0.00 | 0.00 |
| 3:15 | 1.1 | 0.43 | 0.23 | N/A | 0.2002 | 0.2201 | 66.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 64.03 | 1287.67 | 8.94 | 667.54 | 0.36 | 0.00 | 0.00 |
| 3:20 | 1.1 | 0.43 | 0.23 | N/A | 0.2002 | 0.2201 | 66.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 64.03 | 1298.72 | 9.02 | 722.56 | 0.39 | 0.00 | 0.00 |
| 3:25 | 1.2 | 0.47 | 0.23 | N/A | 0.2391 | 0.2628 | 78.84 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 76.85 | 1309.74 | 9.10 | 790.32 | 0.42 | 0.00 | 0.00 |
| 3:30 | 1.3 | 0.51 | 0.23 | N/A | 0.2780 | 0.3055 | 91.66 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 89.67 | 1323.32 | 9.19 | 870.80 | 0.47 | 0.00 | 0.00 |
| 3:35 | 1.4 | 0.54 | 0.23 | N/A | 0.3169 | 0.3483 | 104.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 102.49 | 1339.45 | 9.30 | 963.99 | 0.52 | 0.00 | 0.00 |
| 3:40 | 1.4 | 0.54 | 0.23 | N/A | 0.3169 | 0.3483 | 104.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 102.49 | 1358.13 | 9.43 | 1057.06 | 0.57 | 0.00 | 0.00 |
| 3:45 | 1.5 | 0.58 | 0.23 | N/A | 0.3558 | 0.3910 | 117.30 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 115.31 | 1376.78 | 9.56 | 1162.81 | 0.63 | 0.00 | 0.00 |
| 3:50 | 1.5 | 0.58 | 0.23 | N/A | 0.3558 | 0.3910 | 117.30 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 115.31 | 1397.98 | 9.71 | 1268.41 | 0.68 | 0.00 | 0.00 |
| 3:55 | 1.6 | 0.62 | 0.23 | N/A | 0.3946 | 0.4337 | 130.12 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 128.13 | 1419.14 | 9.86 | 1386.69 | 0.75 | 0.00 | 0.00 |
| **4:00** | 1.6 | 0.62 | 0.23 | N/A | 0.3946 | 0.4337 | 130.12 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 128.13 | 1442.85 | 10.02 | 1504.81 | 0.81 | 0.00 | 0.00 |
| 4:05 | 1.7 | 0.66 | 0.23 | N/A | 0.4335 | 0.4765 | 142.94 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 140.95 | 1466.52 | 10.18 | 1635.58 | 0.88 | 0.00 | 0.00 |
| 4:10 | 1.8 | 0.70 | 0.23 | N/A | 0.4724 | 0.5192 | 155.76 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 153.77 | 1492.73 | 10.37 | 1778.98 | 0.96 | 0.00 | 0.00 |
| 4:15 | 1.9 | 0.74 | 0.23 | N/A | 0.5113 | 0.5619 | 168.58 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 166.59 | 1521.47 | 10.57 | 1935.01 | 1.04 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:20 | 2 | 0.78 | 0.23 | N/A | 0.5502 | 0.6047 | 181.40 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 179.41 | 1552.74 | 10.78 | 2103.64 | 1.13 | 0.00 | 0.00 |
| 4:25 | 2.1 | 0.82 | 0.23 | N/A | 0.5890 | 0.6474 | 194.22 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 192.23 | 1586.53 | 11.02 | 2284.85 | 1.23 | 0.00 | 0.00 |
| 4:30 | 2.1 | 0.82 | 0.23 | N/A | 0.5890 | 0.6474 | 194.22 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 192.23 | 1622.85 | 11.27 | 2465.82 | 1.33 | 0.00 | 0.00 |
| 4:35 | 2.2 | 0.86 | 0.23 | N/A | 0.6279 | 0.6901 | 207.04 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 205.05 | 1659.12 | 11.52 | 2659.35 | 1.43 | 0.00 | 0.00 |
| 4:40 | 2.3 | 0.89 | 0.23 | N/A | 0.6668 | 0.7329 | 219.86 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 217.87 | 1697.91 | 11.79 | 2865.43 | 1.54 | 0.00 | 0.00 |
| 4:45 | 2.4 | 0.93 | 0.23 | N/A | 0.7057 | 0.7756 | 232.68 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 230.69 | 1739.21 | 12.08 | 3084.04 | 1.66 | 0.00 | 0.00 |
| 4:50 | 2.4 | 0.93 | 0.23 | N/A | 0.7057 | 0.7756 | 232.68 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 230.69 | 1783.02 | 12.38 | 3302.35 | 1.78 | 0.00 | 0.00 |
| 4:55 | 2.5 | 0.97 | 0.23 | N/A | 0.7446 | 0.8183 | 245.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 243.51 | 1826.77 | 12.69 | 3533.17 | 1.90 | 0.00 | 0.00 |
| **5:00** | 2.6 | 1.01 | 0.23 | N/A | 0.7834 | 0.8611 | 258.32 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 256.33 | 1873.04 | 13.01 | 3776.50 | 2.03 | 0.00 | 0.00 |
| 5:05 | 3.1 | 1.21 | 0.23 | N/A | 0.9778 | 1.0747 | 322.42 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 320.43 | 1921.80 | 13.35 | 4083.58 | 2.20 | 0.00 | 0.00 |
| 5:10 | 3.6 | 1.40 | 0.23 | N/A | 1.1722 | 1.2884 | 386.51 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 384.53 | 1983.35 | 13.77 | 4454.33 | 2.39 | 0.00 | 0.00 |
| 5:15 | 3.9 | 1.52 | 0.23 | N/A | 1.2889 | 1.4166 | 424.97 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 422.99 | 2057.65 | 14.29 | 4863.03 | 2.61 | 0.00 | 0.00 |
| 5:20 | 4.2 | 1.63 | 0.23 | N/A | 1.4055 | 1.5448 | 463.43 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 461.45 | 2139.56 | 14.86 | 5309.62 | 2.85 | 0.00 | 0.00 |
| 5:25 | 4.7 | 1.83 | 0.23 | N/A | 1.5999 | 1.7584 | 527.53 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 525.54 | 2229.06 | 15.48 | 5819.68 | 3.13 | 0.00 | 0.00 |
| 5:30 | 5.6 | 2.18 | 0.23 | N/A | **1.9498** | **2.1430** | **642.91** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 640.92 | 2331.29 | 16.19 | 6444.42 | 3.46 | 0.00 | 0.00 |
| 5:35 | 1.9 | 0.74 | 0.23 | N/A | 0.5113 | 0.5619 | 168.58 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 166.59 | 2456.50 | 17.06 | 6593.95 | 3.55 | 0.00 | 0.00 |
| 5:40 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 2486.46 | 17.27 | 6615.08 | 3.56 | 0.00 | 0.00 |
| 5:45 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 13.40 | 2490.70 | 17.30 | **6611.18** | **3.55** | 0.00 | 0.00 |
| 5:50 | 0.5 | 0.19 | 0.23 | 0.16 | 0.0389 | 0.0427 | 12.82 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 10.83 | 2489.92 | 17.29 | 6604.72 | 3.55 | 0.00 | 0.00 |
| 5:55 | 0.3 | 0.12 | 0.23 | 0.09 | 0.0233 | 0.0256 | 7.69 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 5.70 | 2488.62 | 17.28 | 6593.14 | 3.54 | 0.00 | 0.00 |
| **6:00** | 0.2 | 0.08 | 0.23 | 0.06 | 0.0156 | 0.0171 | 5.13 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 3.14 | 2486.30 | 17.27 | 6579.02 | 3.54 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2483.47 | 17.25 | 6561.77 | 3.53 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2480.02 | 17.22 | 6544.55 | 3.52 | 0.00 | 0.00 |
| 6:15 | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2476.56 | 17.20 | 6527.35 | 3.51 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 353.33 | 19.37 | 0.00 | 2473.12 | 17.17 | 6510.18 | 3.50 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 351.35 | 19.21 | 0.00 | 2469.68 | 17.15 | 6493.03 | 3.49 | 0.00 | 0.00 |
| 6:30 | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 349.36 | 19.05 | 0.00 | 2466.24 | 17.13 | 6475.90 | 3.48 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 347.37 | 18.89 | 0.00 | 2462.81 | 17.10 | 6458.80 | 3.47 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 345.38 | 18.73 | 0.00 | 2459.38 | 17.08 | 6441.72 | 3.46 | 0.00 | 0.00 |
| 6:45 | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 343.40 | 18.58 | 0.00 | 2455.95 | 17.06 | 6424.66 | 3.45 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 341.41 | 18.42 | 0.00 | 2452.54 | 17.03 | 6407.63 | 3.45 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 339.42 | 18.26 | 0.00 | 2449.12 | 17.01 | 6390.62 | 3.44 | 0.00 | 0.00 |
| **7:00** | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 337.44 | 18.10 | 0.00 | 2445.71 | 16.98 | 6373.64 | 3.43 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | **7652.75** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**24 Hour Storm in 15 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:15 | 0.2 | 0.04 | 0.40 | 0.03 | 0.0076 | 0.0084 | 7.57 | 0.00 | 30.89 | 0.64 | 6.92 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.3 | 0.06 | 0.39 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 36.81 | 0.77 | 17.50 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.3 | 0.06 | 0.39 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 45.86 | 0.96 | 27.89 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.4 | 0.08 | 0.39 | 0.06 | 0.0153 | 0.0168 | 15.13 | 0.00 | 54.75 | 1.14 | 41.88 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.3 | 0.06 | 0.38 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 66.71 | 1.39 | 51.84 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.3 | 0.06 | 0.38 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 75.23 | 1.57 | 61.62 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.3 | 0.06 | 0.37 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 83.60 | 1.74 | 71.23 | 3.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **2:00** | 0.4 | 0.08 | 0.37 | 0.06 | 0.0153 | 0.0168 | 15.13 | 0.00 | 91.81 | 1.91 | 84.45 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:15 | 0.4 | 0.08 | 0.36 | 0.06 | 0.0153 | 0.0168 | 15.13 | 0.00 | 103.12 | 2.15 | 97.43 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:30 | 0.4 | 0.08 | 0.36 | 0.06 | 0.0153 | 0.0168 | 15.13 | 0.00 | 114.22 | 2.38 | 110.18 | 5.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:45 | 0.5 | 0.10 | 0.35 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 125.12 | 2.61 | 126.49 | 6.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **3:00** | 0.5 | 0.10 | 0.35 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 139.07 | 2.90 | 142.50 | 7.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:15 | 0.5 | 0.10 | 0.35 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 152.77 | 3.18 | 158.23 | 7.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:30 | 0.5 | 0.10 | 0.34 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 166.22 | 3.46 | 173.68 | 8.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:45 | 0.5 | 0.10 | 0.34 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 179.44 | 3.74 | 188.86 | 9.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **4:00** | 0.6 | 0.11 | 0.33 | 0.09 | 0.0229 | 0.0252 | 22.70 | 0.00 | 192.41 | 4.01 | 207.54 | 10.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:15 | 0.6 | 0.11 | 0.33 | 0.09 | 0.0229 | 0.0252 | 22.70 | 0.00 | 208.40 | 4.34 | 225.90 | 11.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:30 | 0.7 | 0.13 | 0.32 | 0.11 | 0.0268 | 0.0294 | 26.48 | 0.00 | 224.09 | 4.67 | 247.71 | 12.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:45 | 0.7 | 0.13 | 0.32 | 0.11 | 0.0268 | 0.0294 | 26.48 | 0.00 | 242.75 | 5.06 | 269.13 | 13.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **5:00** | 0.8 | 0.15 | 0.32 | 0.12 | 0.0306 | 0.0336 | 30.26 | 0.00 | 261.07 | 5.44 | 293.95 | 14.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:15 | 0.6 | 0.11 | 0.31 | 0.09 | 0.0229 | 0.0252 | 22.70 | 0.00 | 282.30 | 5.88 | 312.42 | 16.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:30 | 0.7 | 0.13 | 0.31 | 0.11 | 0.0268 | 0.0294 | 26.48 | 0.00 | 286.14 | 5.96 | 332.94 | 17.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:45 | 0.8 | 0.15 | 0.30 | 0.12 | 0.0306 | 0.0336 | 30.26 | 0.00 | 286.14 | 5.96 | 357.24 | 19.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **6:00** | 0.8 | 0.15 | 0.30 | 0.12 | 0.0306 | 0.0336 | 30.26 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 20.26 | 1164.93 | 20.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:15 | 0.9 | 0.17 | 0.30 | 0.14 | 0.0344 | 0.0378 | 34.04 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 28.08 | 1164.93 | 24.27 | 3.81 | 0.00 | 0.00 | 0.00 |
| 6:30 | 0.9 | 0.17 | 0.29 | 0.14 | 0.0344 | 0.0378 | 34.04 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 28.08 | 1165.69 | 24.29 | 7.61 | 0.00 | 0.00 | 0.00 |
| 6:45 | 1 | 0.19 | 0.29 | 0.15 | 0.0382 | 0.0420 | 37.83 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 31.86 | 1166.46 | 24.30 | 15.17 | 0.01 | 0.00 | 0.00 |
| **7:00** | 1 | 0.19 | 0.28 | 0.15 | 0.0382 | 0.0420 | 37.83 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 31.86 | 1167.97 | 24.33 | 22.71 | 0.01 | 0.00 | 0.00 |
| 7:15 | 1 | 0.19 | 0.28 | 0.15 | 0.0382 | 0.0420 | 37.83 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 31.86 | 1169.48 | 24.36 | 30.21 | 0.02 | 0.00 | 0.00 |
| 7:30 | 1.1 | 0.21 | 0.28 | 0.17 | 0.0421 | 0.0462 | 41.61 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 35.65 | 1170.98 | 24.40 | 41.46 | 0.02 | 0.00 | 0.00 |
| 7:45 | 1.2 | 0.23 | 0.27 | 0.18 | 0.0459 | 0.0504 | 45.39 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 39.43 | 1173.24 | 24.44 | 56.45 | 0.03 | 0.00 | 0.00 |
| **8:00** | 1.3 | 0.25 | 0.27 | 0.20 | 0.0497 | 0.0546 | 49.17 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 43.21 | 1176.24 | 24.51 | 75.15 | 0.04 | 0.00 | 0.00 |
| 8:15 | 1.5 | 0.29 | 0.26 | 0.23 | 0.0574 | 0.0630 | 56.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.78 | 1179.99 | 24.58 | 101.35 | 0.05 | 0.00 | 0.00 |
| 8:30 | 1.5 | 0.29 | 0.26 | 0.23 | 0.0574 | 0.0630 | 56.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.78 | 1185.24 | 24.69 | 127.43 | 0.07 | 0.00 | 0.00 |
| 8:45 | 1.6 | 0.31 | 0.26 | 0.24 | 0.0612 | 0.0672 | 60.52 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 54.56 | 1190.47 | 24.80 | 157.19 | 0.08 | 0.00 | 0.00 |
| **9:00** | 1.7 | 0.33 | 0.25 | N/A | 0.0712 | 0.0783 | 70.46 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 64.50 | 1196.43 | 24.93 | 196.76 | 0.11 | 0.00 | 0.00 |
| 9:15 | 1.9 | 0.36 | 0.25 | N/A | 0.1131 | 0.1243 | 111.85 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 105.89 | 1204.36 | 25.09 | 277.56 | 0.15 | 0.00 | 0.00 |
| 9:30 | 2 | 0.38 | 0.25 | N/A | 0.1358 | 0.1492 | 134.29 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 128.33 | 1220.56 | 25.43 | 380.46 | 0.20 | 0.00 | 0.00 |
| 9:45 | 2.1 | 0.40 | 0.24 | N/A | 0.1584 | 0.1741 | 156.70 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 150.74 | 1241.18 | 25.86 | 505.34 | 0.27 | 0.00 | 0.00 |
| **10:00** | 2.2 | 0.42 | 0.24 | N/A | 0.1810 | 0.1990 | 179.08 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 173.12 | 1266.21 | 26.38 | 652.08 | 0.35 | 0.00 | 0.00 |
| 10:15 | 1.5 | 0.29 | 0.24 | 0.23 | 0.0574 | 0.0630 | 56.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.78 | 1295.62 | 26.99 | 675.87 | 0.36 | 0.00 | 0.00 |
| 10:30 | 1.5 | 0.29 | 0.23 | 0.23 | 0.0574 | 0.0630 | 56.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.78 | 1300.38 | 27.09 | 699.55 | 0.38 | 0.00 | 0.00 |
| 10:45 | 2 | 0.38 | 0.23 | N/A | 0.1531 | 0.1683 | 151.44 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 145.48 | 1305.13 | 27.19 | 817.84 | 0.44 | 0.00 | 0.00 |
| **11:00** | 2 | 0.38 | 0.23 | N/A | 0.1565 | 0.1720 | 154.76 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 148.80 | 1328.84 | 27.68 | 938.96 | 0.50 | 0.00 | 0.00 |
| 11:15 | 1.9 | 0.36 | 0.22 | N/A | 0.1407 | 0.1546 | 139.14 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 133.18 | 1353.11 | 28.19 | 1043.95 | 0.56 | 0.00 | 0.00 |
| 11:30 | 1.9 | 0.36 | 0.22 | N/A | 0.1440 | 0.1582 | 142.40 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 136.44 | 1374.15 | 28.63 | 1151.76 | 0.62 | 0.00 | 0.00 |
| 11:45 | 1.7 | 0.33 | 0.22 | N/A | 0.1090 | 0.1198 | 107.79 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 101.83 | 1395.76 | 29.08 | 1224.51 | 0.66 | 0.00 | 0.00 |
| **12:00** | 1.8 | 0.34 | 0.21 | N/A | 0.1313 | 0.1443 | 129.89 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 123.93 | 1410.34 | 29.38 | 1319.06 | 0.71 | 0.00 | 0.00 |
| 12:15 | 2.5 | 0.48 | 0.21 | N/A | 0.2683 | 0.2949 | 265.43 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 259.47 | 1429.29 | 29.78 | 1548.75 | 0.83 | 0.00 | 0.00 |
| 12:30 | 2.6 | 0.50 | 0.21 | N/A | 0.2906 | 0.3194 | 287.45 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 281.49 | 1475.32 | 30.74 | 1799.50 | 0.97 | 0.00 | 0.00 |
| 12:45 | 2.8 | 0.54 | 0.20 | N/A | 0.3319 | 0.3648 | 328.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 322.39 | 1525.58 | 31.78 | 2090.11 | 1.12 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **13:00** | 2.9 | 0.55 | 0.20 | N/A | | 0.3541 | 0.3892 | 350.30 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 344.34 | 1583.82 | 33.00 | 2401.46 | 1.29 | 0.00 | 0.00 |
| 13:15 | 3.4 | 0.65 | 0.20 | N/A | | 0.4528 | 0.4976 | 447.87 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 441.91 | 1646.22 | 34.30 | 2809.07 | 1.51 | 0.00 | 0.00 |
| 13:30 | 3.4 | 0.65 | 0.19 | N/A | | **0.4558** | **0.5009** | **450.83** | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 444.87 | 1727.91 | 36.00 | 3217.94 | 1.73 | 0.00 | 0.00 |
| 13:45 | 2.3 | 0.44 | 0.19 | N/A | | 0.2484 | 0.2730 | 245.71 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 239.75 | 1809.86 | 37.71 | 3419.98 | 1.84 | 0.00 | 0.00 |
| **14:00** | 2.3 | 0.44 | 0.19 | N/A | | 0.2513 | 0.2762 | 248.59 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 242.63 | 1850.35 | 38.55 | 3624.07 | 1.95 | 0.00 | 0.00 |
| 14:15 | 2.7 | 0.52 | 0.19 | N/A | | 0.3307 | 0.3634 | 327.09 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 321.13 | 1891.25 | 39.40 | 3905.79 | 2.10 | 0.00 | 0.00 |
| 14:30 | 2.6 | 0.50 | 0.18 | N/A | | 0.3144 | 0.3455 | 310.98 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 305.02 | 1947.71 | 40.58 | 4170.24 | 2.24 | 0.00 | 0.00 |
| 14:45 | 2.6 | 0.50 | 0.18 | N/A | | 0.3172 | 0.3486 | 313.75 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 307.78 | 2000.71 | 41.68 | 4436.34 | 2.39 | 0.00 | 0.00 |
| **15:00** | 2.5 | 0.48 | 0.18 | N/A | | 0.3008 | 0.3306 | 297.56 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 291.59 | 2054.04 | 42.79 | 4685.14 | 2.52 | 0.00 | 0.00 |
| 15:15 | 2.4 | 0.46 | 0.17 | N/A | | 0.2844 | 0.3126 | 281.33 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 275.36 | 2103.91 | 43.83 | 4916.67 | 2.64 | 0.00 | 0.00 |
| 15:30 | 2.3 | 0.44 | 0.17 | N/A | | 0.2680 | 0.2945 | 265.05 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 259.09 | 2150.31 | 44.80 | 5130.97 | 2.76 | 0.00 | 0.00 |
| 15:45 | 1.9 | 0.36 | 0.17 | N/A | | 0.1941 | 0.2133 | 192.00 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 186.04 | 2193.26 | 45.69 | 5271.31 | 2.83 | 0.00 | 0.00 |
| **16:00** | 1.9 | 0.36 | 0.17 | N/A | | 0.1967 | 0.2162 | 194.55 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 188.59 | 2221.39 | 46.28 | **5413.62** | **2.91** | 0.00 | 0.00 |
| 16:15 | 0.4 | 0.08 | 0.16 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2249.91 | 46.87 | 5375.92 | 2.89 | 0.00 | 0.00 |
| 16:30 | 0.4 | 0.08 | 0.16 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2242.35 | 46.72 | 5338.37 | 2.87 | 0.00 | 0.00 |
| 16:45 | 0.3 | 0.06 | 0.16 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2234.83 | 46.56 | 5297.20 | 2.85 | 0.00 | 0.00 |
| **17:00** | 0.3 | 0.06 | 0.16 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2226.58 | 46.39 | 5256.20 | 2.83 | 0.00 | 0.00 |
| 17:15 | 0.5 | 0.10 | 0.15 | 0.08 | | 0.0191 | 0.0210 | 18.91 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 12.95 | 2218.36 | 46.22 | 5222.94 | 2.81 | 0.00 | 0.00 |
| 17:30 | 0.5 | 0.10 | 0.15 | 0.08 | | 0.0191 | 0.0210 | 18.91 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 12.95 | 2211.69 | 46.08 | 5189.81 | 2.79 | 0.00 | 0.00 |
| 17:45 | 0.5 | 0.10 | 0.15 | 0.08 | | 0.0191 | 0.0210 | 18.91 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 12.95 | 2205.05 | 45.94 | 5156.82 | 2.77 | 0.00 | 0.00 |
| **18:00** | 0.4 | 0.08 | 0.15 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2198.44 | 45.80 | 5120.19 | 2.75 | 0.00 | 0.00 |
| 18:15 | 0.4 | 0.08 | 0.15 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2191.10 | 45.65 | 5083.71 | 2.73 | 0.00 | 0.00 |
| 18:30 | 0.4 | 0.08 | 0.14 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2183.79 | 45.50 | 5047.39 | 2.71 | 0.00 | 0.00 |
| 18:45 | 0.3 | 0.06 | 0.14 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2176.51 | 45.34 | 5007.43 | 2.69 | 0.00 | 0.00 |
| **19:00** | 0.2 | 0.04 | 0.14 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2168.50 | 45.18 | 4963.86 | 2.67 | 0.00 | 0.00 |
| 19:15 | 0.3 | 0.06 | 0.14 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2159.77 | 45.00 | 4924.25 | 2.65 | 0.00 | 0.00 |
| 19:30 | 0.4 | 0.08 | 0.14 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2151.83 | 44.83 | 4888.59 | 2.63 | 0.00 | 0.00 |
| 19:45 | 0.3 | 0.06 | 0.13 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2144.68 | 44.68 | 4849.29 | 2.61 | 0.00 | 0.00 |
| **20:00** | 0.2 | 0.04 | 0.13 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2136.81 | 44.52 | 4806.38 | 2.58 | 0.00 | 0.00 |
| 20:15 | 0.3 | 0.06 | 0.13 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2128.21 | 44.34 | 4767.43 | 2.56 | 0.00 | 0.00 |
| 20:30 | 0.3 | 0.06 | 0.13 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2120.40 | 44.18 | 4728.64 | 2.54 | 0.00 | 0.00 |
| 20:45 | 0.3 | 0.06 | 0.13 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2112.63 | 44.01 | 4690.01 | 2.52 | 0.00 | 0.00 |
| **21:00** | 0.2 | 0.04 | 0.13 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2104.89 | 43.85 | 4647.77 | 2.50 | 0.00 | 0.00 |
| 21:15 | 0.3 | 0.06 | 0.12 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2096.42 | 43.68 | 4609.48 | 2.48 | 0.00 | 0.00 |
| 21:30 | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2088.74 | 43.52 | 4567.56 | 2.46 | 0.00 | 0.00 |
| 21:45 | 0.3 | 0.06 | 0.12 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2080.34 | 43.34 | 4529.61 | 2.44 | 0.00 | 0.00 |
| **22:00** | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2072.74 | 43.18 | 4488.03 | 2.41 | 0.00 | 0.00 |
| 22:15 | 0.3 | 0.06 | 0.12 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2064.40 | 43.01 | 4450.41 | 2.39 | 0.00 | 0.00 |
| 22:30 | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2056.86 | 42.85 | 4409.16 | 2.37 | 0.00 | 0.00 |
| 22:45 | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2048.60 | 42.68 | 4368.09 | 2.35 | 0.00 | 0.00 |
| **23:00** | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2040.37 | 42.51 | 4327.18 | 2.33 | 0.00 | 0.00 |
| 23:15 | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2032.17 | 42.34 | 4286.45 | 2.30 | 0.00 | 0.00 |
| 23:30 | 0.2 | 0.04 | 0.11 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2024.00 | 42.17 | 4245.89 | 2.28 | 0.00 | 0.00 |
| 23:45 | 0.2 | 0.04 | 0.11 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2015.88 | 42.00 | 4205.49 | 2.26 | 0.00 | 0.00 |
| **24:00** | 0.2 | 0.04 | 0.11 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2007.78 | 41.83 | 4165.27 | 2.24 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.11 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 5.96 | 355.32 | 19.53 | 0.00 | 1999.72 | 41.66 | 4123.61 | 2.22 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | | **7710.69** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**HYDROLOGY CALCULATIONS -**

**Using the RCFC&WCD Short Cut Unit Hydrograph Method**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Area Designations** | **Basin C** | | | | | |
| **Drainage Area (ac.)** | **1.7500** | | | | | |
| Unit time (minutes) | **5** | **5** | **5** | **15** | | |
| 100 Year Storm Duration (hrs) | 1 | 3 | 6 | 24 | | |
| Total Precipitation (Plates D-4.4,E-5.2, 5.4, 5.6)(in.) | **1.76** | **2.49** | **3.24** | **4.78** | Or data from NOAA interactive website | |
| Soils Group | A | | | | | |
| AMC index II Runoff Number (plate E-6.1) | 32 | | | | | |
| Plate E-6.2 Pervious Area Loss Rate (Fp)(in/hr) | 0.74 | (AMC II) | | | | |
| Percentage of Impervious Cover (Ai)(%) (plate E-6.3) | | **83.11** | (See impervious/pervious area calculations included in report) | | | |
| Weighted Average Loss Rate (F=Fp(1-.9Ai))(in./hr.) | 0.19 | (used for 1, 3, and 6 hour storm, the 24 hour storm uses variable maximum loss rate per plate E-1.1 (3 of 6)) | | | | |
| Low Loss Rate Percent (%) | 80 | | | | | |
| Retention Basin Percolation Rate (in/hr) | **1** | (also used for drywell percolation rate) | | | | |

**Percolation is taken incrementally.**

**Basin volume is calculated using the "truncated pyramid" formula, a more conservative estimate than "averaged end areas" sometimes used**

**(Drywell can be "zeroed out" by reducing numbers to less than .001, but should not entered as zeros or program chokes.)**

**Drywell storage includes 40% of the 1' wide rock bed surrounding the drywell: formula (upper)*PI()*(diam/2)^2+(lower)*PI()*((diam/2)^2+0.4*((diam/2+(grav+0.4166))^2-(diam/2+0.4166)^2))**

**The drywell wall thickness is assumed at 5" (0.4166) and the gravel bed width is variable "grav"**

**Drywell design factors** **Upper sec. (ft.)=** **0.001** **Lower sec. (ft.)=** **0.001** **Ring diam. (ft.) =** **0.001** **Drywell lower max. (cf)=** **0.00** **Upper max.(cf)=** **0.00**

**Gravel bed width around drwyell=** **1** **Drywell total(cf)=** **0.00**

**Ret. Basin design (area, depth)** **Top =** **3713.79** s.f. **Bot. =** **1651.99** **s.f.** **Max. Depth (d)=** **5** **Max. storage=** **13071.17** (d/3)*(bottom+top+(bottom*top)^0.50)

**Formulas** **vol=(h/3)*(bottom+top+(bottom*top)^0.50)** **area=bottom+(h/d)*(top-bottom)** **h=(vol*3)/(bottom+top+(bottom*top)^0.5)** **(values must be non-zero or error occurs)**

**Outside input from:** **N/A**

**1 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 3.7 | 0.7814 | 0.1865 | N/A | 0.5950 | 1.0498 | 314.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 314.95 | 1651.99 | 11.47 | 303.48 | 0.12 | 0.00 | 0.00 |
| 0:10 | 4.8 | 1.0138 | 0.1865 | N/A | 0.8273 | 1.4598 | 437.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 437.94 | 1699.86 | 11.80 | 729.61 | 0.28 | 0.00 | 0.00 |
| 0:15 | 5.1 | 1.0771 | 0.1865 | N/A | 0.8906 | 1.5716 | 471.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 471.48 | 1767.08 | 12.27 | 1188.82 | 0.45 | 0.00 | 0.00 |
| 0:20 | 4.9 | 1.0349 | 0.1865 | N/A | 0.8484 | 1.4971 | 449.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 449.12 | 1839.51 | 12.77 | 1625.16 | 0.62 | 0.00 | 0.00 |
| 0:25 | 6.6 | 1.3939 | 0.1865 | N/A | 1.2074 | 2.1306 | 639.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 639.18 | 1908.34 | 13.25 | 2251.09 | 0.86 | 0.00 | 0.00 |
| 0:30 | 7.3 | 1.5418 | 0.1865 | N/A | 1.3553 | 2.3915 | 717.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 717.45 | 2007.07 | 13.94 | 2954.60 | 1.13 | 0.00 | 0.00 |
| 0:35 | 8.4 | 1.7741 | 0.1865 | N/A | 1.5876 | 2.8014 | 840.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 840.43 | 2118.04 | 14.71 | 3780.33 | 1.45 | 0.00 | 0.00 |
| 0:40 | 9 | 1.9008 | 0.1865 | N/A | 1.7143 | 3.0250 | 907.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 907.51 | 2248.29 | 15.61 | 4672.23 | 1.79 | 0.00 | 0.00 |
| 0:45 | 12.3 | 2.5978 | 0.1865 | N/A | 2.4113 | 4.2549 | 1276.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1276.47 | 2388.97 | 16.59 | 5932.11 | 2.27 | 0.00 | 0.00 |
| 0:50 | 17.6 | 3.7171 | 0.1865 | N/A | **3.5306** | **6.2301** | **1869.03** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1869.03 | 2587.70 | 17.97 | 7783.16 | 2.98 | 0.00 | 0.00 |
| 0:55 | 16.1 | 3.4003 | 0.1865 | N/A | 3.2138 | 5.6711 | 1701.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1701.32 | 2879.68 | 20.00 | 9464.49 | 3.62 | 0.00 | 0.00 |
| **1:00** | 4.2 | 0.8870 | 0.1865 | N/A | 0.7006 | 1.2362 | 370.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 370.86 | 3144.88 | 21.84 | **9813.50** | **3.75** | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.1865 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3199.94 | 22.22 | 9791.28 | 3.75 | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.1865 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3196.43 | 22.20 | 9769.09 | 3.74 | 0.00 | 0.00 |
| 1:15 | 0 | 0.0000 | 0.1865 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3192.93 | 22.17 | 9746.91 | 3.73 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | **9995.74** | | | | | | | | | | | **0.00** | |

**Total Overflow (cf)**

**3 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 1.3 | 0.39 | 0.19 | N/A | | 0.2020 | 0.3564 | 106.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 106.91 | 1651.99 | 11.47 | 95.43 | 0.04 | 0.00 | 0.00 |
| 0:10 | 1.3 | 0.39 | 0.19 | N/A | | 0.2020 | 0.3564 | 106.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 106.91 | 1667.04 | 11.58 | 190.77 | 0.07 | 0.00 | 0.00 |
| 0:15 | 1.1 | 0.33 | 0.19 | N/A | | 0.1422 | 0.2509 | 75.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.27 | 1682.08 | 11.68 | 254.36 | 0.10 | 0.00 | 0.00 |
| 0:20 | 1.5 | 0.45 | 0.19 | N/A | | 0.2617 | 0.4618 | 138.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 138.54 | 1692.11 | 11.75 | 381.15 | 0.15 | 0.00 | 0.00 |
| 0:25 | 1.5 | 0.45 | 0.19 | N/A | | 0.2617 | 0.4618 | 138.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 138.54 | 1712.11 | 11.89 | 507.81 | 0.19 | 0.00 | 0.00 |
| 0:30 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 1732.09 | 12.03 | 681.77 | 0.26 | 0.00 | 0.00 |
| 0:35 | 1.5 | 0.45 | 0.19 | N/A | | 0.2617 | 0.4618 | 138.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 138.54 | 1759.53 | 12.22 | 808.10 | 0.31 | 0.00 | 0.00 |
| 0:40 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 1779.46 | 12.36 | 981.74 | 0.38 | 0.00 | 0.00 |
| 0:45 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 1806.85 | 12.55 | 1155.19 | 0.44 | 0.00 | 0.00 |
| 0:50 | 1.5 | 0.45 | 0.19 | N/A | | 0.2617 | 0.4618 | 138.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 138.54 | 1834.21 | 12.74 | 1281.00 | 0.49 | 0.00 | 0.00 |
| 0:55 | 1.6 | 0.48 | 0.19 | N/A | | 0.2916 | 0.5145 | 154.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 154.36 | 1854.05 | 12.88 | 1422.48 | 0.54 | 0.00 | 0.00 |
| **1:00** | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 1876.37 | 13.03 | 1595.45 | 0.61 | 0.00 | 0.00 |
| 1:05 | 2.2 | 0.66 | 0.19 | N/A | | 0.4709 | 0.8309 | 249.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 249.27 | 1903.65 | 13.22 | 1831.50 | 0.70 | 0.00 | 0.00 |
| 1:10 | 2.2 | 0.66 | 0.19 | N/A | | 0.4709 | 0.8309 | 249.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 249.27 | 1940.88 | 13.48 | 2067.29 | 0.79 | 0.00 | 0.00 |
| 1:15 | 2.2 | 0.66 | 0.19 | N/A | | 0.4709 | 0.8309 | 249.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 249.27 | 1978.08 | 13.74 | 2302.82 | 0.88 | 0.00 | 0.00 |
| 1:20 | 2 | 0.60 | 0.19 | N/A | | 0.4111 | 0.7254 | 217.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 217.63 | 2015.23 | 13.99 | 2506.46 | 0.96 | 0.00 | 0.00 |
| 1:25 | 2.6 | 0.78 | 0.19 | N/A | | 0.5904 | 1.0418 | 312.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 312.54 | 2047.35 | 14.22 | 2804.78 | 1.07 | 0.00 | 0.00 |
| 1:30 | 2.7 | 0.81 | 0.19 | N/A | | 0.6203 | 1.0945 | 328.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 328.36 | 2094.41 | 14.54 | 3118.59 | 1.19 | 0.00 | 0.00 |
| 1:35 | 2.4 | 0.72 | 0.19 | N/A | | 0.5306 | 0.9363 | 280.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 280.90 | 2143.91 | 14.89 | 3384.61 | 1.29 | 0.00 | 0.00 |
| 1:40 | 2.7 | 0.81 | 0.19 | N/A | | 0.6203 | 1.0945 | 328.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 328.36 | 2185.87 | 15.18 | 3697.78 | 1.41 | 0.00 | 0.00 |
| 1:45 | 3.3 | 0.99 | 0.19 | N/A | | 0.7996 | 1.4109 | 423.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 423.26 | 2235.27 | 15.52 | 4105.52 | 1.57 | 0.00 | 0.00 |
| 1:50 | 3.1 | 0.93 | 0.19 | N/A | | 0.7398 | 1.3054 | 391.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 391.63 | 2299.58 | 15.97 | 4481.18 | 1.71 | 0.00 | 0.00 |
| 1:55 | 2.9 | 0.87 | 0.19 | N/A | | 0.6800 | 1.2000 | 359.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 359.99 | 2358.84 | 16.38 | 4824.79 | 1.85 | 0.00 | 0.00 |
| **2:00** | 3 | 0.90 | 0.19 | N/A | | 0.7099 | 1.2527 | 375.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 375.81 | 2413.04 | 16.76 | 5183.85 | 1.98 | 0.00 | 0.00 |
| 2:05 | 3.1 | 0.93 | 0.19 | N/A | | 0.7398 | 1.3054 | 391.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 391.63 | 2469.67 | 17.15 | 5558.32 | 2.13 | 0.00 | 0.00 |
| 2:10 | 4.2 | 1.25 | 0.19 | N/A | | 1.0685 | 1.8854 | 565.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 565.62 | 2528.74 | 17.56 | 6106.39 | 2.34 | 0.00 | 0.00 |
| 2:15 | 5 | 1.49 | 0.19 | N/A | | 1.3075 | 2.3072 | 692.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 692.16 | 2615.19 | 18.16 | 6780.39 | 2.59 | 0.00 | 0.00 |
| 2:20 | 3.5 | 1.05 | 0.19 | N/A | | 0.8593 | 1.5163 | 454.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 454.90 | 2721.50 | 18.90 | 7216.39 | 2.76 | 0.00 | 0.00 |
| 2:25 | 6.8 | 2.03 | 0.19 | N/A | | 1.8454 | 3.2563 | 976.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 976.88 | 2790.28 | 19.38 | 8173.90 | 3.13 | 0.00 | 0.00 |
| 2:30 | 7.3 | 2.18 | 0.19 | N/A | | 1.9948 | 3.5199 | 1055.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1055.97 | 2941.31 | 20.43 | 9209.44 | 3.52 | 0.00 | 0.00 |
| 2:35 | 8.2 | 2.45 | 0.19 | N/A | | **2.2637** | **3.9944** | **1198.33** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1198.33 | 3104.65 | 21.56 | 10386.21 | 3.97 | 0.00 | 0.00 |
| 2:40 | 5.9 | 1.76 | 0.19 | N/A | | 1.5764 | 2.7817 | 834.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 834.52 | 3290.27 | 22.85 | 11197.89 | 4.28 | 0.00 | 0.00 |
| 2:45 | 2 | 0.60 | 0.19 | N/A | | 0.4111 | 0.7254 | 217.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 217.63 | 3418.31 | 23.74 | 11391.78 | 4.36 | 0.00 | 0.00 |
| 2:50 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 3448.89 | 23.95 | 11553.83 | 4.42 | 0.00 | 0.00 |
| 2:55 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 3474.45 | 24.13 | **11715.70** | **4.48** | 0.00 | 0.00 |
| **3:00** | 0.6 | 0.18 | 0.19 | 0.14 | | 0.0359 | 0.0633 | 18.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.98 | 3499.98 | 24.31 | 11710.37 | 4.48 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3499.14 | 24.30 | 11686.07 | 4.47 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3495.31 | 24.27 | 11661.80 | 4.46 | 0.00 | 0.00 |
| 3:15 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3491.48 | 24.25 | 11637.56 | 4.45 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3487.66 | 24.22 | 11613.34 | 4.44 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3483.84 | 24.19 | 11589.14 | 4.43 | 0.00 | 0.00 |
| 3:30 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3480.02 | 24.17 | 11564.98 | 4.42 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3476.21 | 24.14 | 11540.84 | 4.41 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3472.40 | 24.11 | 11516.72 | 4.41 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **12286.54** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**6 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 0.5 | 0.19 | 0.19 | | 0.16 | 0.0389 | 0.0686 | 20.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.58 | 1651.99 | 11.47 | 9.11 | 0.00 | 0.00 | 0.00 |
| 0:10 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 1653.43 | 11.48 | 22.40 | 0.01 | 0.00 | 0.00 |
| 0:15 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 1655.52 | 11.50 | 35.67 | 0.01 | 0.00 | 0.00 |
| 0:20 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 1657.62 | 11.51 | 48.93 | 0.02 | 0.00 | 0.00 |
| 0:25 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 1659.71 | 11.53 | 62.18 | 0.02 | 0.00 | 0.00 |
| 0:30 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1661.80 | 11.54 | 95.99 | 0.04 | 0.00 | 0.00 |
| 0:35 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1667.13 | 11.58 | 129.76 | 0.05 | 0.00 | 0.00 |
| 0:40 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1672.46 | 11.61 | 163.50 | 0.06 | 0.00 | 0.00 |
| 0:45 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1677.78 | 11.65 | 197.20 | 0.08 | 0.00 | 0.00 |
| 0:50 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1683.10 | 11.69 | 230.87 | 0.09 | 0.00 | 0.00 |
| 0:55 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1688.41 | 11.73 | 264.50 | 0.10 | 0.00 | 0.00 |
| **1:00** | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1693.71 | 11.76 | 318.67 | 0.12 | 0.00 | 0.00 |
| 1:05 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1702.26 | 11.82 | 372.78 | 0.14 | 0.00 | 0.00 |
| 1:10 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1710.79 | 11.88 | 426.84 | 0.16 | 0.00 | 0.00 |
| 1:15 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1719.32 | 11.94 | 480.83 | 0.18 | 0.00 | 0.00 |
| 1:20 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1727.83 | 12.00 | 534.77 | 0.20 | 0.00 | 0.00 |
| 1:25 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1736.34 | 12.06 | 588.65 | 0.23 | 0.00 | 0.00 |
| 1:30 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1744.84 | 12.12 | 642.46 | 0.25 | 0.00 | 0.00 |
| 1:35 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1753.33 | 12.18 | 696.22 | 0.27 | 0.00 | 0.00 |
| 1:40 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1761.81 | 12.23 | 749.92 | 0.29 | 0.00 | 0.00 |
| 1:45 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1770.28 | 12.29 | 803.57 | 0.31 | 0.00 | 0.00 |
| 1:50 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1778.74 | 12.35 | 857.15 | 0.33 | 0.00 | 0.00 |
| 1:55 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1787.19 | 12.41 | 910.67 | 0.35 | 0.00 | 0.00 |
| **2:00** | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1795.64 | 12.47 | 984.72 | 0.38 | 0.00 | 0.00 |
| 2:05 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1807.32 | 12.55 | 1038.10 | 0.40 | 0.00 | 0.00 |
| 2:10 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1815.74 | 12.61 | 1112.01 | 0.43 | 0.00 | 0.00 |
| 2:15 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1827.39 | 12.69 | 1185.84 | 0.45 | 0.00 | 0.00 |
| 2:20 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1839.04 | 12.77 | 1259.58 | 0.48 | 0.00 | 0.00 |
| 2:25 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1850.67 | 12.85 | 1333.25 | 0.51 | 0.00 | 0.00 |
| 2:30 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1862.29 | 12.93 | 1406.83 | 0.54 | 0.00 | 0.00 |
| 2:35 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1873.90 | 13.01 | 1480.34 | 0.57 | 0.00 | 0.00 |
| 2:40 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1885.49 | 13.09 | 1553.76 | 0.59 | 0.00 | 0.00 |
| 2:45 | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1897.07 | 13.17 | 1647.69 | 0.63 | 0.00 | 0.00 |
| 2:50 | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1911.89 | 13.28 | 1741.51 | 0.67 | 0.00 | 0.00 |
| 2:55 | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1926.69 | 13.38 | 1835.23 | 0.70 | 0.00 | 0.00 |
| **3:00** | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1941.47 | 13.48 | 1928.85 | 0.74 | 0.00 | 0.00 |
| 3:05 | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1956.24 | 13.58 | 2022.36 | 0.77 | 0.00 | 0.00 |
| 3:10 | 1.1 | 0.43 | 0.19 | N/A | | 0.2412 | 0.4256 | 127.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 127.68 | 1970.99 | 13.69 | 2136.35 | 0.82 | 0.00 | 0.00 |
| 3:15 | 1.1 | 0.43 | 0.19 | N/A | | 0.2412 | 0.4256 | 127.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 127.68 | 1988.97 | 13.81 | 2250.22 | 0.86 | 0.00 | 0.00 |
| 3:20 | 1.1 | 0.43 | 0.19 | N/A | | 0.2412 | 0.4256 | 127.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 127.68 | 2006.93 | 13.94 | 2363.97 | 0.90 | 0.00 | 0.00 |
| 3:25 | 1.2 | 0.47 | 0.19 | N/A | | 0.2801 | 0.4942 | 148.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 148.26 | 2024.87 | 14.06 | 2498.17 | 0.96 | 0.00 | 0.00 |
| 3:30 | 1.3 | 0.51 | 0.19 | N/A | | 0.3190 | 0.5628 | 168.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 168.85 | 2046.04 | 14.21 | 2652.81 | 1.01 | 0.00 | 0.00 |
| 3:35 | 1.4 | 0.54 | 0.19 | N/A | | 0.3578 | 0.6314 | 189.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 189.43 | 2070.43 | 14.38 | 2827.86 | 1.08 | 0.00 | 0.00 |
| 3:40 | 1.4 | 0.54 | 0.19 | N/A | | 0.3578 | 0.6314 | 189.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 189.43 | 2098.05 | 14.57 | 3002.71 | 1.15 | 0.00 | 0.00 |
| 3:45 | 1.5 | 0.58 | 0.19 | N/A | | 0.3967 | 0.7000 | 210.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 210.01 | 2125.63 | 14.76 | 3197.96 | 1.22 | 0.00 | 0.00 |
| 3:50 | 1.5 | 0.58 | 0.19 | N/A | | 0.3967 | 0.7000 | 210.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 210.01 | 2156.43 | 14.98 | 3393.00 | 1.30 | 0.00 | 0.00 |
| 3:55 | 1.6 | 0.62 | 0.19 | N/A | | 0.4356 | 0.7686 | 230.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 230.59 | 2187.19 | 15.19 | 3608.40 | 1.38 | 0.00 | 0.00 |
| **4:00** | 1.6 | 0.62 | 0.19 | N/A | | 0.4356 | 0.7686 | 230.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 230.59 | 2221.17 | 15.42 | 3823.57 | 1.46 | 0.00 | 0.00 |
| 4:05 | 1.7 | 0.66 | 0.19 | N/A | | 0.4745 | 0.8372 | 251.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 251.17 | 2255.11 | 15.66 | 4059.08 | 1.55 | 0.00 | 0.00 |
| 4:10 | 1.8 | 0.70 | 0.19 | N/A | | 0.5134 | 0.9059 | 271.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 271.76 | 2292.25 | 15.92 | 4314.92 | 1.65 | 0.00 | 0.00 |
| 4:15 | 1.9 | 0.74 | 0.19 | N/A | | 0.5522 | 0.9745 | 292.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 292.34 | 2332.61 | 16.20 | 4591.06 | 1.76 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:20 | 2 | 0.78 | 0.19 | N/A | | 0.5911 | 1.0431 | 312.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 312.92 | 2376.17 | 16.50 | 4887.48 | 1.87 | 0.00 | 0.00 |
| 4:25 | 2.1 | 0.82 | 0.19 | N/A | | 0.6300 | 1.1117 | 333.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 333.50 | 2422.92 | 16.83 | 5204.15 | 1.99 | 0.00 | 0.00 |
| 4:30 | 2.1 | 0.82 | 0.19 | N/A | | 0.6300 | 1.1117 | 333.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 333.50 | 2472.87 | 17.17 | 5520.48 | 2.11 | 0.00 | 0.00 |
| 4:35 | 2.2 | 0.86 | 0.19 | N/A | | 0.6689 | 1.1803 | 354.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 354.08 | 2522.77 | 17.52 | 5857.05 | 2.24 | 0.00 | 0.00 |
| 4:40 | 2.3 | 0.89 | 0.19 | N/A | | 0.7078 | 1.2489 | 374.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 374.67 | 2575.86 | 17.89 | 6213.83 | 2.38 | 0.00 | 0.00 |
| 4:45 | 2.4 | 0.93 | 0.19 | N/A | | 0.7466 | 1.3175 | 395.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 395.25 | 2632.14 | 18.28 | 6590.80 | 2.52 | 0.00 | 0.00 |
| 4:50 | 2.4 | 0.93 | 0.19 | N/A | | 0.7466 | 1.3175 | 395.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 395.25 | 2691.60 | 18.69 | 6967.35 | 2.67 | 0.00 | 0.00 |
| 4:55 | 2.5 | 0.97 | 0.19 | N/A | | 0.7855 | 1.3861 | 415.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 415.83 | 2751.00 | 19.10 | 7364.08 | 2.82 | 0.00 | 0.00 |
| **5:00** | 2.6 | 1.01 | 0.19 | N/A | | 0.8244 | 1.4547 | 436.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 436.41 | 2813.57 | 19.54 | 7780.95 | 2.98 | 0.00 | 0.00 |
| 5:05 | 3.1 | 1.21 | 0.19 | N/A | | 1.0188 | 1.7977 | 539.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 539.32 | 2879.33 | 20.00 | 8300.28 | 3.18 | 0.00 | 0.00 |
| 5:10 | 3.6 | 1.40 | 0.19 | N/A | | 1.2132 | 2.1408 | 642.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 642.23 | 2961.25 | 20.56 | 8921.95 | 3.41 | 0.00 | 0.00 |
| 5:15 | 3.9 | 1.52 | 0.19 | N/A | | 1.3298 | 2.3466 | 703.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 703.98 | 3059.31 | 21.25 | 9604.69 | 3.67 | 0.00 | 0.00 |
| 5:20 | 4.2 | 1.63 | 0.19 | N/A | | 1.4465 | 2.5524 | 765.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 765.73 | 3167.00 | 21.99 | 10348.42 | 3.96 | 0.00 | 0.00 |
| 5:25 | 4.7 | 1.83 | 0.19 | N/A | | 1.6409 | 2.8955 | 868.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 868.64 | 3284.31 | 22.81 | 11194.25 | 4.28 | 0.00 | 0.00 |
| 5:30 | 5.6 | 2.18 | 0.19 | N/A | | **1.9908** | **3.5129** | **1053.88** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1053.88 | 3417.73 | 23.73 | 12224.39 | 4.68 | 0.00 | 0.00 |
| 5:35 | 1.9 | 0.74 | 0.19 | N/A | | 0.5522 | 0.9745 | 292.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 292.34 | 3580.22 | 24.86 | 12491.87 | 4.78 | 0.00 | 0.00 |
| 5:40 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 3622.41 | 25.16 | 12553.23 | 4.80 | 0.00 | 0.00 |
| 5:45 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 3632.09 | 25.22 | **12552.77** | **4.80** | 0.00 | 0.00 |
| 5:50 | 0.5 | 0.19 | 0.19 | 0.16 | | 0.0389 | 0.0686 | 20.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.58 | 3632.02 | 25.22 | 12548.13 | 4.80 | 0.00 | 0.00 |
| 5:55 | 0.3 | 0.12 | 0.19 | 0.09 | | 0.0233 | 0.0412 | 12.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.35 | 3631.29 | 25.22 | 12535.27 | 4.80 | 0.00 | 0.00 |
| **6:00** | 0.2 | 0.08 | 0.19 | 0.06 | | 0.0156 | 0.0274 | 8.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.23 | 3629.26 | 25.20 | 12518.30 | 4.79 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3626.58 | 25.18 | 12493.11 | 4.78 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3622.61 | 25.16 | 12467.95 | 4.77 | 0.00 | 0.00 |
| 6:15 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3618.64 | 25.13 | 12442.83 | 4.76 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3614.68 | 25.10 | 12417.72 | 4.75 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3610.72 | 25.07 | 12392.65 | 4.74 | 0.00 | 0.00 |
| 6:30 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3606.76 | 25.05 | 12367.60 | 4.73 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3602.81 | 25.02 | 12342.58 | 4.72 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3598.87 | 24.99 | 12317.59 | 4.71 | 0.00 | 0.00 |
| 6:45 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3594.92 | 24.96 | 12292.63 | 4.70 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3590.99 | 24.94 | 12267.69 | 4.69 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3587.05 | 24.91 | 12242.78 | 4.68 | 0.00 | 0.00 |
| **7:00** | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3583.12 | 24.88 | 12217.90 | 4.67 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **13622.03** | | | | | | | | | **Total Overflow (cf)** | | **0.00** | |

**24 Hour Storm in 15 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:15 | 0.2 | 0.04 | 0.33 | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.14 | 1651.99 | 12.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.3 | 0.06 | 0.32 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.3 | 0.06 | 0.32 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.4 | 0.08 | 0.32 | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 1651.99 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.3 | 0.06 | 0.31 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.3 | 0.06 | 0.31 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.3 | 0.06 | 0.30 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| **2:00** | 0.4 | 0.08 | 0.30 | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 1651.99 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:15 | 0.4 | 0.08 | 0.30 | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 1651.99 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:30 | 0.4 | 0.08 | 0.29 | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 1651.99 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:45 | 0.5 | 0.10 | 0.29 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| **3:00** | 0.5 | 0.10 | 0.29 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:15 | 0.5 | 0.10 | 0.28 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:30 | 0.5 | 0.10 | 0.28 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:45 | 0.5 | 0.10 | 0.28 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| **4:00** | 0.6 | 0.11 | 0.27 | 0.09 | 0.0229 | 0.0405 | 36.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.44 | 1651.99 | 34.42 | 2.02 | 0.00 | 0.00 | 0.00 |
| 4:15 | 0.6 | 0.11 | 0.27 | 0.09 | 0.0229 | 0.0405 | 36.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.44 | 1652.31 | 34.42 | 4.04 | 0.00 | 0.00 | 0.00 |
| 4:30 | 0.7 | 0.13 | 0.27 | 0.11 | 0.0268 | 0.0472 | 42.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.51 | 1652.63 | 34.43 | 12.12 | 0.00 | 0.00 | 0.00 |
| 4:45 | 0.7 | 0.13 | 0.26 | 0.11 | 0.0268 | 0.0472 | 42.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.51 | 1653.90 | 34.46 | 20.17 | 0.01 | 0.00 | 0.00 |
| **5:00** | 0.8 | 0.15 | 0.26 | 0.12 | 0.0306 | 0.0540 | 48.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.58 | 1655.17 | 34.48 | 34.27 | 0.01 | 0.00 | 0.00 |
| 5:15 | 0.6 | 0.11 | 0.26 | 0.09 | 0.0229 | 0.0405 | 36.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.44 | 1657.40 | 34.53 | 36.18 | 0.01 | 0.00 | 0.00 |
| 5:30 | 0.7 | 0.13 | 0.25 | 0.11 | 0.0268 | 0.0472 | 42.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.51 | 1657.70 | 34.54 | 44.16 | 0.02 | 0.00 | 0.00 |
| 5:45 | 0.8 | 0.15 | 0.25 | 0.12 | 0.0306 | 0.0540 | 48.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.58 | 1658.96 | 34.56 | 58.18 | 0.02 | 0.00 | 0.00 |
| **6:00** | 0.8 | 0.15 | 0.25 | 0.12 | 0.0306 | 0.0540 | 48.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.58 | 1661.17 | 34.61 | 72.16 | 0.03 | 0.00 | 0.00 |
| 6:15 | 0.9 | 0.17 | 0.24 | 0.14 | 0.0344 | 0.0607 | 54.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.66 | 1663.37 | 34.65 | 92.16 | 0.04 | 0.00 | 0.00 |
| 6:30 | 0.9 | 0.17 | 0.24 | 0.14 | 0.0344 | 0.0607 | 54.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.66 | 1666.53 | 34.72 | 112.10 | 0.04 | 0.00 | 0.00 |
| 6:45 | 1 | 0.19 | 0.24 | 0.15 | 0.0382 | 0.0675 | 60.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60.73 | 1669.67 | 34.78 | 138.04 | 0.05 | 0.00 | 0.00 |
| **7:00** | 1 | 0.19 | 0.23 | 0.15 | 0.0382 | 0.0675 | 60.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60.73 | 1673.76 | 34.87 | 163.90 | 0.06 | 0.00 | 0.00 |
| 7:15 | 1 | 0.19 | 0.23 | 0.15 | 0.0382 | 0.0675 | 60.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60.73 | 1677.84 | 34.96 | 189.68 | 0.07 | 0.00 | 0.00 |
| 7:30 | 1.1 | 0.21 | 0.23 | 0.17 | 0.0421 | 0.0742 | 66.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.80 | 1681.91 | 35.04 | 221.44 | 0.08 | 0.00 | 0.00 |
| 7:45 | 1.2 | 0.23 | 0.22 | 0.18 | 0.0459 | 0.0810 | 72.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 72.88 | 1686.92 | 35.14 | 259.17 | 0.10 | 0.00 | 0.00 |
| **8:00** | 1.3 | 0.25 | 0.22 | 0.20 | 0.0497 | 0.0877 | 78.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 78.95 | 1692.87 | 35.27 | 302.85 | 0.12 | 0.00 | 0.00 |
| 8:15 | 1.5 | 0.29 | 0.22 | N/A | 0.0697 | 0.1229 | 110.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 110.65 | 1699.76 | 35.41 | 378.09 | 0.14 | 0.00 | 0.00 |
| 8:30 | 1.5 | 0.29 | 0.21 | N/A | 0.0727 | 0.1283 | 115.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 115.47 | 1711.63 | 35.66 | 457.90 | 0.18 | 0.00 | 0.00 |
| 8:45 | 1.6 | 0.31 | 0.21 | N/A | 0.0948 | 0.1673 | 150.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 150.61 | 1724.22 | 35.92 | 572.59 | 0.22 | 0.00 | 0.00 |
| **9:00** | 1.7 | 0.33 | 0.21 | N/A | 0.1169 | 0.2063 | 185.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 185.71 | 1742.31 | 36.30 | 722.00 | 0.28 | 0.00 | 0.00 |
| 9:15 | 1.9 | 0.36 | 0.21 | N/A | 0.1581 | 0.2790 | 251.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 251.13 | 1765.88 | 36.79 | 936.35 | 0.36 | 0.00 | 0.00 |
| 9:30 | 2 | 0.38 | 0.20 | N/A | 0.1802 | 0.3179 | 286.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 286.14 | 1799.69 | 37.49 | 1185.00 | 0.45 | 0.00 | 0.00 |
| 9:45 | 2.1 | 0.40 | 0.20 | N/A | 0.2022 | 0.3568 | 321.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 321.11 | 1838.91 | 38.31 | 1467.80 | 0.56 | 0.00 | 0.00 |
| **10:00** | 2.2 | 0.42 | 0.20 | N/A | 0.2242 | 0.3956 | 356.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 356.03 | 1883.51 | 39.24 | 1784.59 | 0.68 | 0.00 | 0.00 |
| 10:15 | 1.5 | 0.29 | 0.19 | N/A | 0.0932 | 0.1644 | 147.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 147.99 | 1933.48 | 40.28 | 1892.30 | 0.72 | 0.00 | 0.00 |
| 10:30 | 1.5 | 0.29 | 0.19 | N/A | 0.0960 | 0.1694 | 152.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 152.46 | 1950.48 | 40.63 | 2004.13 | 0.77 | 0.00 | 0.00 |
| 10:45 | 2 | 0.38 | 0.19 | N/A | 0.1944 | 0.3430 | 308.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 308.71 | 1968.11 | 41.00 | 2271.84 | 0.87 | 0.00 | 0.00 |
| **11:00** | 2 | 0.38 | 0.19 | N/A | 0.1971 | 0.3479 | 313.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 313.09 | 2010.34 | 41.88 | 2543.05 | 0.97 | 0.00 | 0.00 |
| 11:15 | 1.9 | 0.36 | 0.18 | N/A | 0.1808 | 0.3190 | 287.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 287.06 | 2053.12 | 42.77 | 2787.34 | 1.07 | 0.00 | 0.00 |
| 11:30 | 1.9 | 0.36 | 0.18 | N/A | 0.1835 | 0.3237 | 291.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 291.35 | 2091.66 | 43.58 | 3035.11 | 1.16 | 0.00 | 0.00 |
| 11:45 | 1.7 | 0.33 | 0.18 | N/A | 0.1479 | 0.2609 | 234.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 234.85 | 2130.74 | 44.39 | 3225.57 | 1.23 | 0.00 | 0.00 |
| **12:00** | 1.8 | 0.34 | 0.17 | N/A | 0.1696 | 0.2993 | 269.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 269.41 | 2160.78 | 45.02 | 3449.97 | 1.32 | 0.00 | 0.00 |
| 12:15 | 2.5 | 0.48 | 0.17 | N/A | 0.3061 | 0.5401 | 486.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 486.11 | 2196.18 | 45.75 | 3890.33 | 1.49 | 0.00 | 0.00 |
| 12:30 | 2.6 | 0.50 | 0.17 | N/A | 0.3278 | 0.5784 | 520.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 520.57 | 2265.64 | 47.20 | 4363.70 | 1.67 | 0.00 | 0.00 |
| 12:45 | 2.8 | 0.54 | 0.17 | N/A | 0.3686 | 0.6504 | 585.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585.35 | 2340.30 | 48.76 | 4900.29 | 1.87 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **13:00** | 2.9 | 0.55 | 0.16 | N/A | | 0.3902 | 0.6886 | 619.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 619.71 | 2424.94 | 50.52 | 5469.48 | 2.09 | 0.00 | 0.00 |
| 13:15 | 3.4 | 0.65 | 0.16 | N/A | | 0.4883 | 0.8616 | 775.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 775.48 | 2514.73 | 52.39 | 6192.58 | 2.37 | 0.00 | 0.00 |
| 13:30 | 3.4 | 0.65 | 0.16 | N/A | | **0.4908** | **0.8660** | **779.38** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 779.38 | 2628.78 | 54.77 | 6917.19 | 2.65 | 0.00 | 0.00 |
| 13:45 | 2.3 | 0.44 | 0.16 | N/A | | 0.2829 | 0.4991 | 449.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 449.22 | 2743.08 | 57.15 | 7309.26 | 2.80 | 0.00 | 0.00 |
| **14:00** | 2.3 | 0.44 | 0.15 | N/A | | 0.2852 | 0.5033 | 453.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 453.01 | 2804.93 | 58.44 | 7703.84 | 2.95 | 0.00 | 0.00 |
| 14:15 | 2.7 | 0.52 | 0.15 | N/A | | 0.3641 | 0.6425 | 578.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 578.22 | 2867.17 | 59.73 | 8222.32 | 3.15 | 0.00 | 0.00 |
| 14:30 | 2.6 | 0.50 | 0.15 | N/A | | 0.3473 | 0.6128 | 551.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 551.54 | 2948.95 | 61.44 | 8712.43 | 3.33 | 0.00 | 0.00 |
| 14:45 | 2.6 | 0.50 | 0.15 | N/A | | 0.3496 | 0.6169 | 555.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 555.18 | 3026.26 | 63.05 | 9204.56 | 3.52 | 0.00 | 0.00 |
| **15:00** | 2.5 | 0.48 | 0.15 | N/A | | 0.3327 | 0.5871 | 528.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 528.40 | 3103.88 | 64.66 | 9668.30 | 3.70 | 0.00 | 0.00 |
| 15:15 | 2.4 | 0.46 | 0.14 | N/A | | 0.3158 | 0.5573 | 501.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 501.57 | 3177.03 | 66.19 | 10103.68 | 3.86 | 0.00 | 0.00 |
| 15:30 | 2.3 | 0.44 | 0.14 | N/A | | 0.2989 | 0.5274 | 474.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 474.68 | 3245.71 | 67.62 | 10510.74 | 4.02 | 0.00 | 0.00 |
| 15:45 | 1.9 | 0.36 | 0.14 | N/A | | 0.2246 | 0.3963 | 356.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 356.64 | 3309.92 | 68.96 | 10798.42 | 4.13 | 0.00 | 0.00 |
| **16:00** | 1.9 | 0.36 | 0.14 | N/A | | 0.2267 | 0.4000 | 360.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 360.00 | 3355.29 | 69.90 | **11088.52** | **4.24** | 0.00 | 0.00 |
| 16:15 | 0.4 | 0.08 | 0.13 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3401.05 | 70.86 | 11041.96 | 4.22 | 0.00 | 0.00 |
| 16:30 | 0.4 | 0.08 | 0.13 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3393.71 | 70.70 | 10995.54 | 4.21 | 0.00 | 0.00 |
| 16:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3386.39 | 70.55 | 10943.21 | 4.19 | 0.00 | 0.00 |
| **17:00** | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3378.13 | 70.38 | 10891.06 | 4.17 | 0.00 | 0.00 |
| 17:15 | 0.5 | 0.10 | 0.13 | | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 3369.91 | 70.21 | 10851.21 | 4.15 | 0.00 | 0.00 |
| 17:30 | 0.5 | 0.10 | 0.12 | | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 3363.62 | 70.08 | 10811.50 | 4.14 | 0.00 | 0.00 |
| 17:45 | 0.5 | 0.10 | 0.12 | | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 3357.36 | 69.94 | 10771.92 | 4.12 | 0.00 | 0.00 |
| **18:00** | 0.4 | 0.08 | 0.12 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3351.11 | 69.81 | 10726.40 | 4.10 | 0.00 | 0.00 |
| 18:15 | 0.4 | 0.08 | 0.12 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3343.93 | 69.67 | 10681.03 | 4.09 | 0.00 | 0.00 |
| 18:30 | 0.4 | 0.08 | 0.12 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3336.78 | 69.52 | 10635.80 | 4.07 | 0.00 | 0.00 |
| 18:45 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3329.64 | 69.37 | 10584.65 | 4.05 | 0.00 | 0.00 |
| **19:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3321.58 | 69.20 | 10527.60 | 4.03 | 0.00 | 0.00 |
| 19:15 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3312.58 | 69.01 | 10476.81 | 4.01 | 0.00 | 0.00 |
| 19:30 | 0.4 | 0.08 | 0.11 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3304.56 | 68.85 | 10432.25 | 3.99 | 0.00 | 0.00 |
| 19:45 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3297.54 | 68.70 | 10381.77 | 3.97 | 0.00 | 0.00 |
| **20:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3289.57 | 68.53 | 10325.39 | 3.95 | 0.00 | 0.00 |
| 20:15 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3280.68 | 68.35 | 10275.26 | 3.93 | 0.00 | 0.00 |
| 20:30 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3272.77 | 68.18 | 10225.30 | 3.91 | 0.00 | 0.00 |
| 20:45 | 0.3 | 0.06 | 0.10 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3264.89 | 68.02 | 10175.50 | 3.89 | 0.00 | 0.00 |
| **21:00** | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3257.04 | 67.85 | 10119.79 | 3.87 | 0.00 | 0.00 |
| 21:15 | 0.3 | 0.06 | 0.10 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3248.25 | 67.67 | 10070.33 | 3.85 | 0.00 | 0.00 |
| 21:30 | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3240.45 | 67.51 | 10014.97 | 3.83 | 0.00 | 0.00 |
| 21:45 | 0.3 | 0.06 | 0.10 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3231.72 | 67.33 | 9965.86 | 3.81 | 0.00 | 0.00 |
| **22:00** | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3223.97 | 67.17 | 9910.84 | 3.79 | 0.00 | 0.00 |
| 22:15 | 0.3 | 0.06 | 0.10 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3215.29 | 66.99 | 9862.08 | 3.77 | 0.00 | 0.00 |
| 22:30 | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3207.60 | 66.82 | 9807.40 | 3.75 | 0.00 | 0.00 |
| 22:45 | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3198.97 | 66.65 | 9752.90 | 3.73 | 0.00 | 0.00 |
| **23:00** | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3190.38 | 66.47 | 9698.58 | 3.71 | 0.00 | 0.00 |
| 23:15 | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3181.81 | 66.29 | 9644.44 | 3.69 | 0.00 | 0.00 |
| 23:30 | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3173.27 | 66.11 | 9590.47 | 3.67 | 0.00 | 0.00 |
| 23:45 | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3164.76 | 65.93 | 9536.69 | 3.65 | 0.00 | 0.00 |
| **24:00** | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3156.27 | 65.76 | 9483.08 | 3.63 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.09 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3147.82 | 65.58 | 9417.50 | 3.60 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **14184.83** | | | | | | | | | **Total Overflow (cf)** | | **0.00** | |

**HYDROLOGY CALCULATIONS -**

**Using the RCFC&WCD Short Cut Unit Hydrograph Method**

| | | | | | |
|---|---|---|---|---|---|
| **Area Designations** | **Basin D** | | | | |
| **Drainage Area (ac.)** | **0.5600** | | | | |
| Unit time (minutes) | **5** | **5** | **5** | **15** | |
| 100 Year Storm Duration (hrs) | 1 | 3 | 6 | 24 | |
| Total Precipitation (Plates D-4.4,E-5.2, 5.4, 5.6)(in.) | **1.76** | **2.49** | **3.24** | **4.78** | Or data from NOAA interactive website |
| Soils Group | A | | | | |
| AMC index II Runoff Number (plate E-6.1) | 32 | | | | |
| Plate E-6.2 Pervious Area Loss Rate (Fp)(in/hr) | 0.74 | (AMC II) | | | |
| Percentage of Impervious Cover (Ai)(%) (plate E-6.3) | | **79** | (See impervious/pervious area calculations included in report) | | |
| Weighted Average Loss Rate (F=Fp(1-.9Ai))(in./hr.) | 0.21 | (used for 1, 3, and 6 hour storm, the 24 hour storm uses variable maximum loss rate per plate E-1.1 (3 of 6)) | | | |
| Low Loss Rate Percent (%) | 80 | | | | |
| Retention Basin Percolation Rate (in/hr) | **1** | (also used for drywell percolation rate) | | | |

**Percolation is taken incrementally.**

**Basin volume is calculated using the "truncated pyramid" formula, a more conservative estimate than "averaged end areas" sometimes used**

**The measured elevation of the underground chamber top and bottom are to be determined.**

**(Drywell can be "zeroed out" by reducing numbers to less than .001, but should not entered as zeros or program chokes.)**

**Drywell storage includes 40% of the 1' wide rock bed surrounding the drywell: formula (upper)*PI()*(diam/2)^2+(lower)*PI()*((diam/2)^2+0.4*((diam/2+(grav+0.4166))^2-(diam/2+0.4166)^2))**

**The drywell wall thickness is assumed at 5" (0.4166) and the gravel bed width is variable "grav"**

**Drywell design factors** **Upper sec. (ft.)=** **0.001** **Lower sec. (ft.)=** **0.001** **Ring diam. (ft.) =** **0.001** **Drywell lower max. (cf)=** **0.00** **Upper max.(cf)=** **0.00**

**Gravel bed width around drwyell=** **1** **Drywell total(cf)=** **0.00**

**NOTE: The basin top and bottom are defined as the required bed size provided by ADS, and rather than using the actual max depth, the depth has been adjusted for the max. storage to approximately be the provided volume of the chambers after taking the stone space into account. The StormTech fact sheet is provided in Appendix G.**

**Ret. Basin design (area, depth)** **Top =** **1137.45** s.f. **Bot. =** **1137.45** **s.f.** **Max. Depth (d)=** **3.275** **Max. storage=** **3725.15** (d/3)*(bottom+top+(bottom*top)^0.50)

**Formulas** **vol=(h/3)*(bottom+top+(bottom*top)^0.50)** **area=bottom+(h/d)*(top-bottom)** **h=(vol*3)/(bottom+top+(bottom*top)^0.5)** **(values must be non-zero or error occurs)**

**Outside input from:** **N/A**

**1 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 3.7 | 0.7814 | 0.2139 | N/A | 0.5676 | 0.3205 | 96.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 96.15 | 1137.45 | 7.90 | 88.25 | 0.08 | 0.00 | 0.00 |
| 0:10 | 4.8 | 1.0138 | 0.2139 | N/A | 0.7999 | 0.4517 | 135.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 135.50 | 1137.45 | 7.90 | 215.85 | 0.19 | 0.00 | 0.00 |
| 0:15 | 5.1 | 1.0771 | 0.2139 | N/A | 0.8633 | 0.4875 | 146.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 146.24 | 1137.45 | 7.90 | 354.19 | 0.31 | 0.00 | 0.00 |
| 0:20 | 4.9 | 1.0349 | 0.2139 | N/A | 0.8210 | 0.4636 | 139.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 139.08 | 1137.45 | 7.90 | 485.37 | 0.43 | 0.00 | 0.00 |
| 0:25 | 6.6 | 1.3939 | 0.2139 | N/A | 1.1801 | 0.6663 | 199.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 199.90 | 1137.45 | 7.90 | 677.37 | 0.60 | 0.00 | 0.00 |
| 0:30 | 7.3 | 1.5418 | 0.2139 | N/A | 1.3279 | 0.7498 | 224.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 224.95 | 1137.45 | 7.90 | 894.42 | 0.79 | 0.00 | 0.00 |
| 0:35 | 8.4 | 1.7741 | 0.2139 | N/A | 1.5602 | 0.8810 | 264.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 264.30 | 1137.45 | 7.90 | 1150.82 | 1.01 | 0.00 | 0.00 |
| 0:40 | 9 | 1.9008 | 0.2139 | N/A | 1.6869 | 0.9526 | 285.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 285.77 | 1137.45 | 7.90 | 1428.69 | 1.26 | 0.00 | 0.00 |
| 0:45 | 12.3 | 2.5978 | 0.2139 | N/A | 2.3839 | 1.3461 | 403.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 403.83 | 1137.45 | 7.90 | 1824.63 | 1.60 | 0.00 | 0.00 |
| 0:50 | 17.6 | 3.7171 | 0.2139 | N/A | **3.5033** | **1.9782** | **593.45** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 593.45 | 1137.45 | 7.90 | 2410.18 | 2.12 | 0.00 | 0.00 |
| 0:55 | 16.1 | 3.4003 | 0.2139 | N/A | 3.1865 | 1.7993 | 539.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 539.79 | 1137.45 | 7.90 | 2942.07 | 2.59 | 0.00 | 0.00 |
| **1:00** | 4.2 | 0.8870 | 0.2139 | N/A | 0.6732 | 0.3801 | 114.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114.04 | 1137.45 | 7.90 | **3048.20** | **2.68** | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2139 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3040.30 | 2.67 | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2139 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3032.41 | 2.67 | 0.00 | 0.00 |
| 1:15 | 0 | 0.0000 | 0.2139 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3024.51 | 2.66 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | **3142.99** | | | | | | | | | | | **Total Overflow (cf)** | **0.00** |

**3 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 1.3 | 0.39 | 0.21 | N/A | | 0.1746 | 0.0986 | 29.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.57 | 1137.45 | 7.90 | 21.67 | 0.02 | 0.00 | 0.00 |
| 0:10 | 1.3 | 0.39 | 0.21 | N/A | | 0.1746 | 0.0986 | 29.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.57 | 1137.45 | 7.90 | 43.35 | 0.04 | 0.00 | 0.00 |
| 0:15 | 1.1 | 0.33 | 0.21 | N/A | | 0.1148 | 0.0648 | 19.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.45 | 1137.45 | 7.90 | 54.90 | 0.05 | 0.00 | 0.00 |
| 0:20 | 1.5 | 0.45 | 0.21 | N/A | | 0.2343 | 0.1323 | 39.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.70 | 1137.45 | 7.90 | 86.70 | 0.08 | 0.00 | 0.00 |
| 0:25 | 1.5 | 0.45 | 0.21 | N/A | | 0.2343 | 0.1323 | 39.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.70 | 1137.45 | 7.90 | 118.50 | 0.10 | 0.00 | 0.00 |
| 0:30 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 165.48 | 0.15 | 0.00 | 0.00 |
| 0:35 | 1.5 | 0.45 | 0.21 | N/A | | 0.2343 | 0.1323 | 39.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.70 | 1137.45 | 7.90 | 197.28 | 0.17 | 0.00 | 0.00 |
| 0:40 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 244.26 | 0.21 | 0.00 | 0.00 |
| 0:45 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 291.24 | 0.26 | 0.00 | 0.00 |
| 0:50 | 1.5 | 0.45 | 0.21 | N/A | | 0.2343 | 0.1323 | 39.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.70 | 1137.45 | 7.90 | 323.04 | 0.28 | 0.00 | 0.00 |
| 0:55 | 1.6 | 0.48 | 0.21 | N/A | | 0.2642 | 0.1492 | 44.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.76 | 1137.45 | 7.90 | 359.90 | 0.32 | 0.00 | 0.00 |
| **1:00** | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 406.88 | 0.36 | 0.00 | 0.00 |
| 1:05 | 2.2 | 0.66 | 0.21 | N/A | | 0.4435 | 0.2504 | 75.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.13 | 1137.45 | 7.90 | 474.11 | 0.42 | 0.00 | 0.00 |
| 1:10 | 2.2 | 0.66 | 0.21 | N/A | | 0.4435 | 0.2504 | 75.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.13 | 1137.45 | 7.90 | 541.34 | 0.48 | 0.00 | 0.00 |
| 1:15 | 2.2 | 0.66 | 0.21 | N/A | | 0.4435 | 0.2504 | 75.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.13 | 1137.45 | 7.90 | 608.57 | 0.54 | 0.00 | 0.00 |
| 1:20 | 2 | 0.60 | 0.21 | N/A | | 0.3837 | 0.2167 | 65.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.01 | 1137.45 | 7.90 | 665.68 | 0.59 | 0.00 | 0.00 |
| 1:25 | 2.6 | 0.78 | 0.21 | N/A | | 0.5630 | 0.3179 | 95.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 95.38 | 1137.45 | 7.90 | 753.16 | 0.66 | 0.00 | 0.00 |
| 1:30 | 2.7 | 0.81 | 0.21 | N/A | | 0.5929 | 0.3348 | 100.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.44 | 1137.45 | 7.90 | 845.70 | 0.74 | 0.00 | 0.00 |
| 1:35 | 2.4 | 0.72 | 0.21 | N/A | | 0.5033 | 0.2842 | 85.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 85.25 | 1137.45 | 7.90 | 923.05 | 0.81 | 0.00 | 0.00 |
| 1:40 | 2.7 | 0.81 | 0.21 | N/A | | 0.5929 | 0.3348 | 100.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.44 | 1137.45 | 7.90 | 1015.59 | 0.89 | 0.00 | 0.00 |
| 1:45 | 3.3 | 0.99 | 0.21 | N/A | | 0.7722 | 0.4360 | 130.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 130.81 | 1137.45 | 7.90 | 1138.50 | 1.00 | 0.00 | 0.00 |
| 1:50 | 3.1 | 0.93 | 0.21 | N/A | | 0.7124 | 0.4023 | 120.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 120.68 | 1137.45 | 7.90 | 1251.28 | 1.10 | 0.00 | 0.00 |
| 1:55 | 2.9 | 0.87 | 0.21 | N/A | | 0.6527 | 0.3685 | 110.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 110.56 | 1137.45 | 7.90 | 1353.94 | 1.19 | 0.00 | 0.00 |
| **2:00** | 3 | 0.90 | 0.21 | N/A | | 0.6825 | 0.3854 | 115.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 115.62 | 1137.45 | 7.90 | 1461.67 | 1.29 | 0.00 | 0.00 |
| 2:05 | 3.1 | 0.93 | 0.21 | N/A | | 0.7124 | 0.4023 | 120.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 120.68 | 1137.45 | 7.90 | 1574.45 | 1.38 | 0.00 | 0.00 |
| 2:10 | 4.2 | 1.25 | 0.21 | N/A | | 1.0411 | 0.5879 | 176.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 176.36 | 1137.45 | 7.90 | 1742.91 | 1.53 | 0.00 | 0.00 |
| 2:15 | 5 | 1.49 | 0.21 | N/A | | 1.2801 | 0.7229 | 216.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 216.86 | 1137.45 | 7.90 | 1951.87 | 1.72 | 0.00 | 0.00 |
| 2:20 | 3.5 | 1.05 | 0.21 | N/A | | 0.8319 | 0.4698 | 140.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 140.93 | 1137.45 | 7.90 | 2084.90 | 1.83 | 0.00 | 0.00 |
| 2:25 | 6.8 | 2.03 | 0.21 | N/A | | 1.8180 | 1.0266 | 307.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 307.97 | 1137.45 | 7.90 | 2384.97 | 2.10 | 0.00 | 0.00 |
| 2:30 | 7.3 | 2.18 | 0.21 | N/A | | 1.9674 | 1.1109 | 333.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 333.27 | 1137.45 | 7.90 | 2710.35 | 2.38 | 0.00 | 0.00 |
| 2:35 | 8.2 | 2.45 | 0.21 | N/A | | **2.2363** | **1.2628** | **378.83** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 378.83 | 1137.45 | 7.90 | 3081.28 | 2.71 | 0.00 | 0.00 |
| 2:40 | 5.9 | 1.76 | 0.21 | N/A | | 1.5491 | 0.8747 | 262.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 262.41 | 1137.45 | 7.90 | 3335.79 | 2.93 | 0.00 | 0.00 |
| 2:45 | 2 | 0.60 | 0.21 | N/A | | 0.3837 | 0.2167 | 65.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.01 | 1137.45 | 7.90 | 3392.89 | 2.98 | 0.00 | 0.00 |
| 2:50 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 3439.88 | 3.02 | 0.00 | 0.00 |
| 2:55 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | **3486.86** | **3.07** | 0.00 | 0.00 |
| **3:00** | 0.6 | 0.18 | 0.21 | 0.14 | | 0.0359 | 0.0202 | 6.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.07 | 1137.45 | 7.90 | 3485.04 | 3.06 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3477.14 | 3.06 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3469.24 | 3.05 | 0.00 | 0.00 |
| 3:15 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3461.34 | 3.04 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3453.44 | 3.04 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3445.54 | 3.03 | 0.00 | 0.00 |
| 3:30 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3437.64 | 3.02 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3429.74 | 3.02 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3421.84 | 3.01 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **3769.40** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**6 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 0.5 | 0.19 | 0.21 | 0.16 | 0.0389 | 0.0220 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.58 | 1137.45 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 0.6 | 0.23 | 0.21 | 0.19 | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 0.6 | 0.23 | 0.21 | 0.19 | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | 0.01 | 0.00 | 0.00 | 0.00 |
| 0:20 | 0.6 | 0.23 | 0.21 | 0.19 | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | 0.01 | 0.00 | 0.00 | 0.00 |
| 0:25 | 0.6 | 0.23 | 0.21 | 0.19 | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | 0.02 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 2.00 | 0.00 | 0.00 | 0.00 |
| 0:35 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 3.97 | 0.00 | 0.00 | 0.00 |
| 0:40 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 5.95 | 0.01 | 0.00 | 0.00 |
| 0:45 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 7.93 | 0.01 | 0.00 | 0.00 |
| 0:50 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 9.90 | 0.01 | 0.00 | 0.00 |
| 0:55 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 11.88 | 0.01 | 0.00 | 0.00 |
| **1:00** | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 20.44 | 0.02 | 0.00 | 0.00 |
| 1:05 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 29.01 | 0.03 | 0.00 | 0.00 |
| 1:10 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 37.57 | 0.03 | 0.00 | 0.00 |
| 1:15 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 46.13 | 0.04 | 0.00 | 0.00 |
| 1:20 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 54.70 | 0.05 | 0.00 | 0.00 |
| 1:25 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 63.26 | 0.06 | 0.00 | 0.00 |
| 1:30 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 71.82 | 0.06 | 0.00 | 0.00 |
| 1:35 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 80.39 | 0.07 | 0.00 | 0.00 |
| 1:40 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 88.95 | 0.08 | 0.00 | 0.00 |
| 1:45 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 97.51 | 0.09 | 0.00 | 0.00 |
| 1:50 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 106.08 | 0.09 | 0.00 | 0.00 |
| 1:55 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 114.64 | 0.10 | 0.00 | 0.00 |
| **2:00** | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 129.79 | 0.11 | 0.00 | 0.00 |
| 2:05 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 138.35 | 0.12 | 0.00 | 0.00 |
| 2:10 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 153.50 | 0.13 | 0.00 | 0.00 |
| 2:15 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 168.65 | 0.15 | 0.00 | 0.00 |
| 2:20 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 183.80 | 0.16 | 0.00 | 0.00 |
| 2:25 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 198.95 | 0.17 | 0.00 | 0.00 |
| 2:30 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 214.10 | 0.19 | 0.00 | 0.00 |
| 2:35 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 229.25 | 0.20 | 0.00 | 0.00 |
| 2:40 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 244.40 | 0.21 | 0.00 | 0.00 |
| 2:45 | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 266.14 | 0.23 | 0.00 | 0.00 |
| 2:50 | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 287.87 | 0.25 | 0.00 | 0.00 |
| 2:55 | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 309.61 | 0.27 | 0.00 | 0.00 |
| **3:00** | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 331.34 | 0.29 | 0.00 | 0.00 |
| 3:05 | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 353.08 | 0.31 | 0.00 | 0.00 |
| 3:10 | 1.1 | 0.43 | 0.21 | N/A | 0.2138 | 0.1207 | 36.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.22 | 1137.45 | 7.90 | 381.40 | 0.34 | 0.00 | 0.00 |
| 3:15 | 1.1 | 0.43 | 0.21 | N/A | 0.2138 | 0.1207 | 36.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.22 | 1137.45 | 7.90 | 409.72 | 0.36 | 0.00 | 0.00 |
| 3:20 | 1.1 | 0.43 | 0.21 | N/A | 0.2138 | 0.1207 | 36.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.22 | 1137.45 | 7.90 | 438.05 | 0.39 | 0.00 | 0.00 |
| 3:25 | 1.2 | 0.47 | 0.21 | N/A | 0.2527 | 0.1427 | 42.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.81 | 1137.45 | 7.90 | 472.96 | 0.42 | 0.00 | 0.00 |
| 3:30 | 1.3 | 0.51 | 0.21 | N/A | 0.2916 | 0.1646 | 49.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.39 | 1137.45 | 7.90 | 514.45 | 0.45 | 0.00 | 0.00 |
| 3:35 | 1.4 | 0.54 | 0.21 | N/A | 0.3305 | 0.1866 | 55.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.98 | 1137.45 | 7.90 | 562.53 | 0.49 | 0.00 | 0.00 |
| 3:40 | 1.4 | 0.54 | 0.21 | N/A | 0.3305 | 0.1866 | 55.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.98 | 1137.45 | 7.90 | 610.61 | 0.54 | 0.00 | 0.00 |
| 3:45 | 1.5 | 0.58 | 0.21 | N/A | 0.3693 | 0.2086 | 62.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.57 | 1137.45 | 7.90 | 665.28 | 0.58 | 0.00 | 0.00 |
| 3:50 | 1.5 | 0.58 | 0.21 | N/A | 0.3693 | 0.2086 | 62.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.57 | 1137.45 | 7.90 | 719.95 | 0.63 | 0.00 | 0.00 |
| 3:55 | 1.6 | 0.62 | 0.21 | N/A | 0.4082 | 0.2305 | 69.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 69.15 | 1137.45 | 7.90 | 781.20 | 0.69 | 0.00 | 0.00 |
| **4:00** | 1.6 | 0.62 | 0.21 | N/A | 0.4082 | 0.2305 | 69.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 69.15 | 1137.45 | 7.90 | 842.45 | 0.74 | 0.00 | 0.00 |
| 4:05 | 1.7 | 0.66 | 0.21 | N/A | 0.4471 | 0.2525 | 75.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.74 | 1137.45 | 7.90 | 910.29 | 0.80 | 0.00 | 0.00 |
| 4:10 | 1.8 | 0.70 | 0.21 | N/A | 0.4860 | 0.2744 | 82.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 82.33 | 1137.45 | 7.90 | 984.72 | 0.87 | 0.00 | 0.00 |
| 4:15 | 1.9 | 0.74 | 0.21 | N/A | 0.5249 | 0.2964 | 88.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 88.91 | 1137.45 | 7.90 | 1065.73 | 0.94 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:20 | 2 | 0.78 | 0.21 | N/A | | 0.5637 | 0.3183 | 95.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 95.50 | 1137.45 | 7.90 | 1153.33 | 1.01 | 0.00 | 0.00 |
| 4:25 | 2.1 | 0.82 | 0.21 | N/A | | 0.6026 | 0.3403 | 102.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 102.08 | 1137.45 | 7.90 | 1247.51 | 1.10 | 0.00 | 0.00 |
| 4:30 | 2.1 | 0.82 | 0.21 | N/A | | 0.6026 | 0.3403 | 102.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 102.08 | 1137.45 | 7.90 | 1341.70 | 1.18 | 0.00 | 0.00 |
| 4:35 | 2.2 | 0.86 | 0.21 | N/A | | 0.6415 | 0.3622 | 108.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 108.67 | 1137.45 | 7.90 | 1442.47 | 1.27 | 0.00 | 0.00 |
| 4:40 | 2.3 | 0.89 | 0.21 | N/A | | 0.6804 | 0.3842 | 115.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 115.26 | 1137.45 | 7.90 | 1549.83 | 1.36 | 0.00 | 0.00 |
| 4:45 | 2.4 | 0.93 | 0.21 | N/A | | 0.7193 | 0.4061 | 121.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 121.84 | 1137.45 | 7.90 | 1663.77 | 1.46 | 0.00 | 0.00 |
| 4:50 | 2.4 | 0.93 | 0.21 | N/A | | 0.7193 | 0.4061 | 121.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 121.84 | 1137.45 | 7.90 | 1777.72 | 1.56 | 0.00 | 0.00 |
| 4:55 | 2.5 | 0.97 | 0.21 | N/A | | 0.7581 | 0.4281 | 128.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128.43 | 1137.45 | 7.90 | 1898.25 | 1.67 | 0.00 | 0.00 |
| **5:00** | 2.6 | 1.01 | 0.21 | N/A | | 0.7970 | 0.4501 | 135.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 135.02 | 1137.45 | 7.90 | 2025.36 | 1.78 | 0.00 | 0.00 |
| 5:05 | 3.1 | 1.21 | 0.21 | N/A | | 0.9914 | 0.5598 | 167.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 167.95 | 1137.45 | 7.90 | 2185.41 | 1.92 | 0.00 | 0.00 |
| 5:10 | 3.6 | 1.40 | 0.21 | N/A | | 1.1858 | 0.6696 | 200.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 200.88 | 1137.45 | 7.90 | 2378.39 | 2.09 | 0.00 | 0.00 |
| 5:15 | 3.9 | 1.52 | 0.21 | N/A | | 1.3025 | 0.7355 | 220.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 220.64 | 1137.45 | 7.90 | 2591.13 | 2.28 | 0.00 | 0.00 |
| 5:20 | 4.2 | 1.63 | 0.21 | N/A | | 1.4191 | 0.8013 | 240.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 240.40 | 1137.45 | 7.90 | 2823.62 | 2.48 | 0.00 | 0.00 |
| 5:25 | 4.7 | 1.83 | 0.21 | N/A | | 1.6135 | 0.9111 | 273.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 273.33 | 1137.45 | 7.90 | 3089.05 | 2.72 | 0.00 | 0.00 |
| 5:30 | 5.6 | 2.18 | 0.21 | N/A | | **1.9634** | **1.1087** | **332.60** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 332.60 | 1137.45 | 7.90 | 3413.76 | 3.00 | 0.00 | 0.00 |
| 5:35 | 1.9 | 0.74 | 0.21 | N/A | | 0.5249 | 0.2964 | 88.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 88.91 | 1137.45 | 7.90 | 3494.77 | 3.07 | 0.00 | 0.00 |
| 5:40 | 0.9 | 0.35 | 0.21 | N/A | | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 3509.92 | 3.09 | 0.00 | 0.00 |
| 5:45 | 0.6 | 0.23 | 0.21 | 0.19 | | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | **3509.92** | **3.09** | 0.00 | 0.00 |
| 5:50 | 0.5 | 0.19 | 0.21 | 0.16 | | 0.0389 | 0.0220 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.59 | 1137.45 | 7.90 | 3508.61 | 3.08 | 0.00 | 0.00 |
| 5:55 | 0.3 | 0.12 | 0.21 | 0.09 | | 0.0233 | 0.0132 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.95 | 1137.45 | 7.90 | 3504.66 | 3.08 | 0.00 | 0.00 |
| **6:00** | 0.2 | 0.08 | 0.21 | 0.06 | | 0.0156 | 0.0088 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.63 | 1137.45 | 7.90 | 3499.40 | 3.08 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3491.50 | 3.07 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3483.60 | 3.06 | 0.00 | 0.00 |
| 6:15 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3475.70 | 3.06 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3467.80 | 3.05 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3459.90 | 3.04 | 0.00 | 0.00 |
| 6:30 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3452.00 | 3.03 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3444.10 | 3.03 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3436.21 | 3.02 | 0.00 | 0.00 |
| 6:45 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3428.31 | 3.01 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3420.41 | 3.01 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3412.51 | 3.00 | 0.00 | 0.00 |
| **7:00** | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3404.61 | 2.99 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **4066.81** | | | | | | | | | **Total Overflow (cf)** | | **0.00** | |

**24 Hour Storm in 15 minute increments**

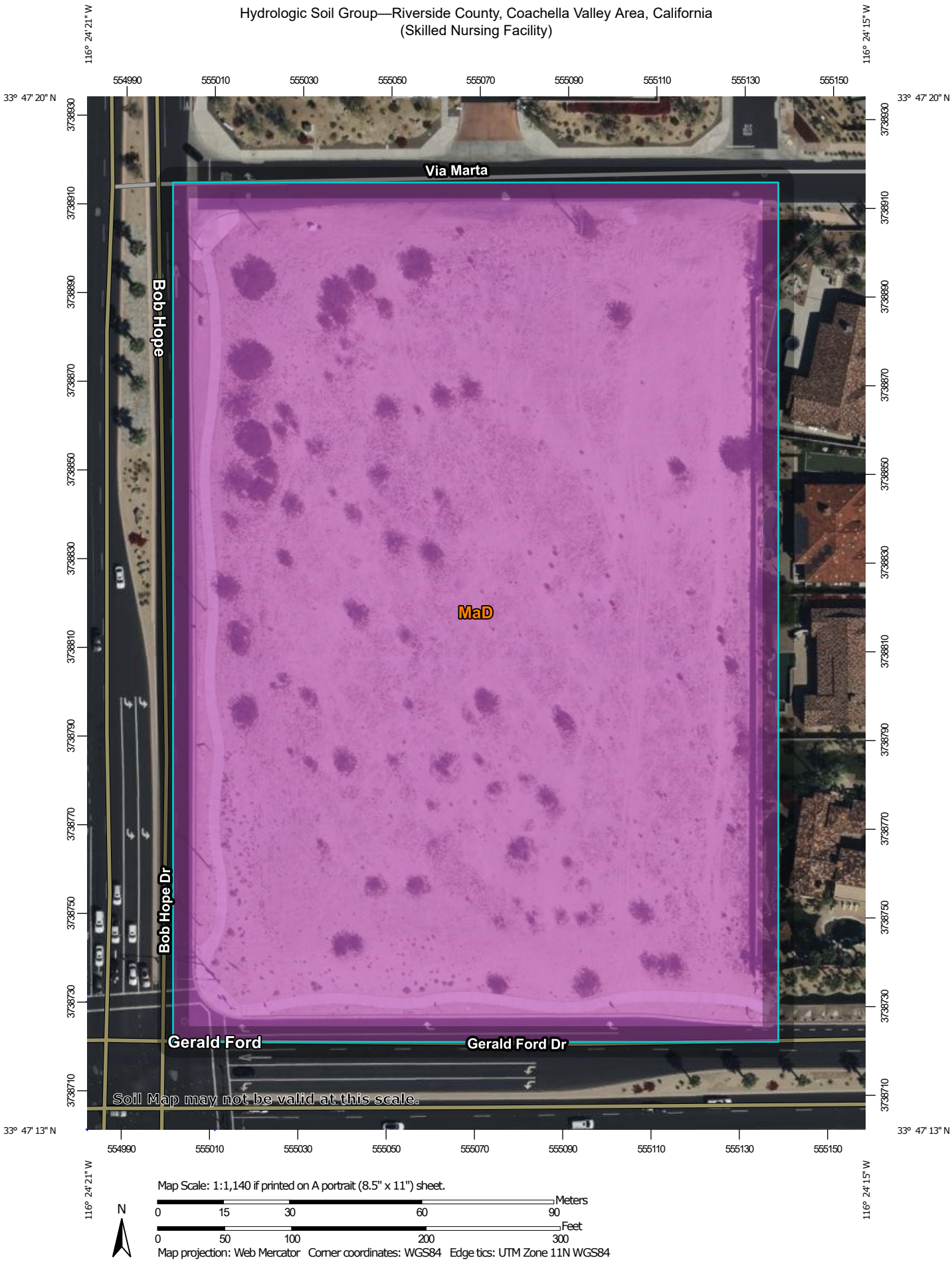
| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:15 | 0.2 | 0.04 | 0.38 | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.88 | 1137.45 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.3 | 0.06 | 0.37 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.3 | 0.06 | 0.37 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.4 | 0.08 | 0.36 | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.3 | 0.06 | 0.36 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.3 | 0.06 | 0.35 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.3 | 0.06 | 0.35 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| **2:00** | 0.4 | 0.08 | 0.35 | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:15 | 0.4 | 0.08 | 0.34 | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:30 | 0.4 | 0.08 | 0.34 | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:45 | 0.5 | 0.10 | 0.33 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| **3:00** | 0.5 | 0.10 | 0.33 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:15 | 0.5 | 0.10 | 0.32 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:30 | 0.5 | 0.10 | 0.32 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:45 | 0.5 | 0.10 | 0.32 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| **4:00** | 0.6 | 0.11 | 0.31 | 0.09 | 0.0229 | 0.0130 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.66 | 1137.45 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:15 | 0.6 | 0.11 | 0.31 | 0.09 | 0.0229 | 0.0130 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.66 | 1137.45 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:30 | 0.7 | 0.13 | 0.30 | 0.11 | 0.0268 | 0.0151 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.60 | 1137.45 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:45 | 0.7 | 0.13 | 0.30 | 0.11 | 0.0268 | 0.0151 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.60 | 1137.45 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| **5:00** | 0.8 | 0.15 | 0.30 | 0.12 | 0.0306 | 0.0173 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.55 | 1137.45 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:15 | 0.6 | 0.11 | 0.29 | 0.09 | 0.0229 | 0.0130 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.66 | 1137.45 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:30 | 0.7 | 0.13 | 0.29 | 0.11 | 0.0268 | 0.0151 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.60 | 1137.45 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:45 | 0.8 | 0.15 | 0.29 | 0.12 | 0.0306 | 0.0173 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.55 | 1137.45 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| **6:00** | 0.8 | 0.15 | 0.28 | 0.12 | 0.0306 | 0.0173 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.55 | 1137.45 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:15 | 0.9 | 0.17 | 0.28 | 0.14 | 0.0344 | 0.0194 | 17.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.49 | 1137.45 | 17.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:30 | 0.9 | 0.17 | 0.27 | 0.14 | 0.0344 | 0.0194 | 17.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.49 | 1137.45 | 17.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:45 | 1 | 0.19 | 0.27 | 0.15 | 0.0382 | 0.0216 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.43 | 1137.45 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| **7:00** | 1 | 0.19 | 0.27 | 0.15 | 0.0382 | 0.0216 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.43 | 1137.45 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7:15 | 1 | 0.19 | 0.26 | 0.15 | 0.0382 | 0.0216 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.43 | 1137.45 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7:30 | 1.1 | 0.21 | 0.26 | 0.17 | 0.0421 | 0.0238 | 21.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.38 | 1137.45 | 21.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7:45 | 1.2 | 0.23 | 0.26 | 0.18 | 0.0459 | 0.0259 | 23.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.32 | 1137.45 | 23.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| **8:00** | 1.3 | 0.25 | 0.25 | 0.20 | 0.0497 | 0.0281 | 25.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.26 | 1137.45 | 23.70 | 1.57 | 0.00 | 0.00 | 0.00 |
| 8:15 | 1.5 | 0.29 | 0.25 | 0.23 | 0.0574 | 0.0324 | 29.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.15 | 1137.45 | 23.70 | 7.02 | 0.01 | 0.00 | 0.00 |
| 8:30 | 1.5 | 0.29 | 0.25 | 0.23 | 0.0574 | 0.0324 | 29.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.15 | 1137.45 | 23.70 | 12.47 | 0.01 | 0.00 | 0.00 |
| 8:45 | 1.6 | 0.31 | 0.24 | N/A | 0.0639 | 0.0361 | 32.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.45 | 1137.45 | 23.70 | 21.23 | 0.02 | 0.00 | 0.00 |
| **9:00** | 1.7 | 0.33 | 0.24 | N/A | 0.0864 | 0.0488 | 43.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.90 | 1137.45 | 23.70 | 41.43 | 0.04 | 0.00 | 0.00 |
| 9:15 | 1.9 | 0.36 | 0.24 | N/A | 0.1280 | 0.0723 | 65.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.06 | 1137.45 | 23.70 | 82.80 | 0.07 | 0.00 | 0.00 |
| 9:30 | 2 | 0.38 | 0.23 | N/A | 0.1505 | 0.0850 | 76.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 76.48 | 1137.45 | 23.70 | 135.58 | 0.12 | 0.00 | 0.00 |
| 9:45 | 2.1 | 0.40 | 0.23 | N/A | 0.1729 | 0.0977 | 87.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 87.89 | 1137.45 | 23.70 | 199.77 | 0.18 | 0.00 | 0.00 |
| **10:00** | 2.2 | 0.42 | 0.23 | N/A | 0.1954 | 0.1103 | 99.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.28 | 1137.45 | 23.70 | 275.35 | 0.24 | 0.00 | 0.00 |
| 10:15 | 1.5 | 0.29 | 0.22 | N/A | 0.0648 | 0.0366 | 32.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.92 | 1137.45 | 23.70 | 284.57 | 0.25 | 0.00 | 0.00 |
| 10:30 | 1.5 | 0.29 | 0.22 | N/A | 0.0680 | 0.0384 | 34.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.56 | 1137.45 | 23.70 | 295.43 | 0.26 | 0.00 | 0.00 |
| 10:45 | 2 | 0.38 | 0.22 | N/A | 0.1668 | 0.0942 | 84.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 84.76 | 1137.45 | 23.70 | 356.50 | 0.31 | 0.00 | 0.00 |
| **11:00** | 2 | 0.38 | 0.21 | N/A | 0.1700 | 0.0960 | 86.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.37 | 1137.45 | 23.70 | 419.17 | 0.37 | 0.00 | 0.00 |
| 11:15 | 1.9 | 0.36 | 0.21 | N/A | 0.1540 | 0.0869 | 78.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 78.24 | 1137.45 | 23.70 | 473.72 | 0.42 | 0.00 | 0.00 |
| 11:30 | 1.9 | 0.36 | 0.21 | N/A | 0.1571 | 0.0887 | 79.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 79.82 | 1137.45 | 23.70 | 529.84 | 0.47 | 0.00 | 0.00 |
| 11:45 | 1.7 | 0.33 | 0.20 | N/A | 0.1219 | 0.0688 | 61.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61.94 | 1137.45 | 23.70 | 568.08 | 0.50 | 0.00 | 0.00 |
| **12:00** | 1.8 | 0.34 | 0.20 | N/A | 0.1440 | 0.0813 | 73.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 73.19 | 1137.45 | 23.70 | 617.58 | 0.54 | 0.00 | 0.00 |
| 12:15 | 2.5 | 0.48 | 0.20 | N/A | 0.2809 | 0.1586 | 142.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 142.73 | 1137.45 | 23.70 | 736.61 | 0.65 | 0.00 | 0.00 |
| 12:30 | 2.6 | 0.50 | 0.19 | N/A | 0.3029 | 0.1711 | 153.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 153.95 | 1137.45 | 23.70 | 866.87 | 0.76 | 0.00 | 0.00 |
| 12:45 | 2.8 | 0.54 | 0.19 | N/A | 0.3441 | 0.1943 | 174.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 174.87 | 1137.45 | 23.70 | 1018.04 | 0.90 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **13:00** | 2.9 | 0.55 | 0.19 | N/A | | 0.3661 | 0.2067 | 186.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.05 | 1137.45 | 23.70 | 1180.40 | 1.04 | 0.00 | 0.00 |
| 13:15 | 3.4 | 0.65 | 0.19 | N/A | | 0.4646 | 0.2623 | 236.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 236.09 | 1137.45 | 23.70 | 1392.79 | 1.22 | 0.00 | 0.00 |
| 13:30 | 3.4 | 0.65 | 0.18 | N/A | | **0.4674** | **0.2639** | **237.52** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 237.52 | 1137.45 | 23.70 | 1606.61 | 1.41 | 0.00 | 0.00 |
| 13:45 | 2.3 | 0.44 | 0.18 | N/A | | 0.2598 | 0.1467 | 132.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132.05 | 1137.45 | 23.70 | 1714.96 | 1.51 | 0.00 | 0.00 |
| **14:00** | 2.3 | 0.44 | 0.18 | N/A | | 0.2626 | 0.1483 | 133.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133.44 | 1137.45 | 23.70 | 1824.70 | 1.60 | 0.00 | 0.00 |
| 14:15 | 2.7 | 0.52 | 0.17 | N/A | | 0.3418 | 0.1930 | 173.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 173.68 | 1137.45 | 23.70 | 1974.68 | 1.74 | 0.00 | 0.00 |
| 14:30 | 2.6 | 0.50 | 0.17 | N/A | | 0.3253 | 0.1837 | 165.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 165.32 | 1137.45 | 23.70 | 2116.30 | 1.86 | 0.00 | 0.00 |
| 14:45 | 2.6 | 0.50 | 0.17 | N/A | | 0.3279 | 0.1852 | 166.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 166.65 | 1137.45 | 23.70 | 2259.26 | 1.99 | 0.00 | 0.00 |
| **15:00** | 2.5 | 0.48 | 0.17 | N/A | | 0.3114 | 0.1758 | 158.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 158.25 | 1137.45 | 23.70 | 2393.81 | 2.10 | 0.00 | 0.00 |
| 15:15 | 2.4 | 0.46 | 0.16 | N/A | | 0.2948 | 0.1665 | 149.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 149.83 | 1137.45 | 23.70 | 2519.95 | 2.22 | 0.00 | 0.00 |
| 15:30 | 2.3 | 0.44 | 0.16 | N/A | | 0.2782 | 0.1571 | 141.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 141.39 | 1137.45 | 23.70 | 2637.64 | 2.32 | 0.00 | 0.00 |
| 15:45 | 1.9 | 0.36 | 0.16 | N/A | | 0.2042 | 0.1153 | 103.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 103.78 | 1137.45 | 23.70 | 2717.72 | 2.39 | 0.00 | 0.00 |
| **16:00** | 1.9 | 0.36 | 0.16 | N/A | | 0.2066 | 0.1167 | 105.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 105.01 | 1137.45 | 23.70 | **2799.03** | **2.46** | 0.00 | 0.00 |
| 16:15 | 0.4 | 0.08 | 0.15 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2783.11 | 2.45 | 0.00 | 0.00 |
| 16:30 | 0.4 | 0.08 | 0.15 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2767.19 | 2.43 | 0.00 | 0.00 |
| 16:45 | 0.3 | 0.06 | 0.15 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2749.32 | 2.42 | 0.00 | 0.00 |
| **17:00** | 0.3 | 0.06 | 0.15 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2731.45 | 2.40 | 0.00 | 0.00 |
| 17:15 | 0.5 | 0.10 | 0.15 | | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 23.70 | 2717.47 | 2.39 | 0.00 | 0.00 |
| 17:30 | 0.5 | 0.10 | 0.14 | | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 23.70 | 2703.49 | 2.38 | 0.00 | 0.00 |
| 17:45 | 0.5 | 0.10 | 0.14 | | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 23.70 | 2689.51 | 2.36 | 0.00 | 0.00 |
| **18:00** | 0.4 | 0.08 | 0.14 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2673.59 | 2.35 | 0.00 | 0.00 |
| 18:15 | 0.4 | 0.08 | 0.14 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2657.67 | 2.34 | 0.00 | 0.00 |
| 18:30 | 0.4 | 0.08 | 0.13 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2641.74 | 2.32 | 0.00 | 0.00 |
| 18:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2623.88 | 2.31 | 0.00 | 0.00 |
| **19:00** | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2604.07 | 2.29 | 0.00 | 0.00 |
| 19:15 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2586.20 | 2.27 | 0.00 | 0.00 |
| 19:30 | 0.4 | 0.08 | 0.13 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2570.28 | 2.26 | 0.00 | 0.00 |
| 19:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2552.41 | 2.24 | 0.00 | 0.00 |
| **20:00** | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2532.60 | 2.23 | 0.00 | 0.00 |
| 20:15 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2514.73 | 2.21 | 0.00 | 0.00 |
| 20:30 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2496.86 | 2.20 | 0.00 | 0.00 |
| 20:45 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2479.00 | 2.18 | 0.00 | 0.00 |
| **21:00** | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2459.19 | 2.16 | 0.00 | 0.00 |
| 21:15 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2441.32 | 2.15 | 0.00 | 0.00 |
| 21:30 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2421.51 | 2.13 | 0.00 | 0.00 |
| 21:45 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2403.64 | 2.11 | 0.00 | 0.00 |
| **22:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2383.83 | 2.10 | 0.00 | 0.00 |
| 22:15 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2365.97 | 2.08 | 0.00 | 0.00 |
| 22:30 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2346.16 | 2.06 | 0.00 | 0.00 |
| 22:45 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2326.35 | 2.05 | 0.00 | 0.00 |
| **23:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2306.54 | 2.03 | 0.00 | 0.00 |
| 23:15 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2286.73 | 2.01 | 0.00 | 0.00 |
| 23:30 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2266.92 | 1.99 | 0.00 | 0.00 |
| 23:45 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2247.11 | 1.98 | 0.00 | 0.00 |
| **24:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2227.30 | 1.96 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.11 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 23.70 | 2203.60 | 1.94 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **4140.72** | | | | | | | | | **Total Overflow (cf)** | | **0.00** | |

# APPENDIX D

## USDA WEB SOIL SURVEY REPORT

Hydrologic Soil Group—Riverside County, Coachella Valley Area, California
(Skilled Nursing Facility)




Map Scale: 1:1,140 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 15 30 60 90

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

## MAP LEGEND

**Area of Interest (AOI)**
- Area of Interest (AOI)

**Soils**

**Soil Rating Polygons**
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Soil Rating Lines**
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Soil Rating Points**
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Water Features**
- Streams and Canals

**Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

**Background**
- Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Riverside County, Coachella Valley Area, California
Survey Area Data: Version 14, Sep 1, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 15, 2022—May 28, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Hydrologic Soil Group

| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
|---|---|---|---|---|
| MaD | Myoma fine sand, 5 to 15 percent slopes | A | 6.6 | 100.0% |
| **Totals for Area of Interest** | | | **6.6** | **100.0%** |

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff: None Specified*

*Tie-break Rule:* Higher

# APPENDIX E

## NOAA PRECIPITATION DATA
## RCFC&WCD HYDROLOGY MANUAL – PLATES E-6.1 & E-6.2

**NOAA Atlas 14, Volume 6, Version 2**
**Location name: Rancho Mirage, California, USA***
**Latitude: 33.7881°, Longitude: -116.4051°**
**Elevation: 312 ft****
* source: ESRI Maps
** source: USGS

**POINT PRECIPITATION FREQUENCY ESTIMATES**

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

# PF tabular

**PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]**

| Duration | Average recurrence interval (years) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 5 | 10 | 25 | 50 | 100 | 200 | 500 | 1000 |
| 5-min | **0.062** (0.052-0.075) | **0.097** (0.081-0.118) | **0.151** (0.126-0.184) | **0.203** (0.167-0.249) | **0.285** (0.227-0.362) | **0.360** (0.280-0.467) | **0.447** (0.340-0.595) | **0.552** (0.407-0.755) | **0.723** (0.511-1.03) | **0.978** (0.668-1.45) |
| 10-min | **0.089** (0.074-0.108) | **0.139** (0.116-0.169) | **0.217** (0.180-0.264) | **0.290** (0.239-0.356) | **0.409** (0.325-0.519) | **0.516** (0.402-0.669) | **0.641** (0.487-0.853) | **0.791** (0.584-1.08) | **1.04** (0.733-1.48) | **1.40** (0.957-2.07) |
| 15-min | **0.108** (0.090-0.131) | **0.169** (0.140-0.205) | **0.262** (0.218-0.319) | **0.351** (0.289-0.431) | **0.494** (0.393-0.627) | **0.624** (0.486-0.809) | **0.776** (0.589-1.03) | **0.957** (0.706-1.31) | **1.25** (0.886-1.79) | **1.70** (1.16-2.51) |
| 30-min | **0.169** (0.141-0.205) | **0.265** (0.220-0.321) | **0.412** (0.342-0.502) | **0.552** (0.454-0.677) | **0.776** (0.617-0.985) | **0.979** (0.763-1.27) | **1.22** (0.925-1.62) | **1.50** (1.11-2.06) | **1.97** (1.39-2.81) | **2.66** (1.82-3.94) |
| 60-min | **0.245** (0.204-0.297) | **0.382** (0.318-0.464) | **0.596** (0.494-0.725) | **0.797** (0.656-0.978) | **1.12** (0.892-1.42) | **1.42** (1.10-1.84) | **1.76** (1.34-2.34) | **2.17** (1.60-2.97) | **2.84** (2.01-4.06) | **3.84** (2.63-5.69) |
| 2-hr | **0.345** (0.287-0.418) | **0.530** (0.441-0.643) | **0.806** (0.669-0.981) | **1.06** (0.872-1.30) | **1.45** (1.15-1.84) | **1.79** (1.40-2.33) | **2.18** (1.66-2.90) | **2.63** (1.94-3.60) | **3.31** (2.34-4.73) | **3.94** (2.69-5.83) |
| 3-hr | **0.414** (0.345-0.502) | **0.633** (0.527-0.767) | **0.954** (0.792-1.16) | **1.24** (1.02-1.53) | **1.69** (1.34-2.14) | **2.07** (1.61-2.68) | **2.49** (1.89-3.32) | **2.98** (2.20-4.07) | **3.71** (2.62-5.29) | **4.36** (2.98-6.44) |
| 6-hr | **0.563** (0.470-0.683) | **0.857** (0.713-1.04) | **1.28** (1.06-1.56) | **1.66** (1.37-2.04) | **2.23** (1.77-2.83) | **2.71** (2.11-3.51) | **3.24** (2.46-4.31) | **3.83** (2.83-5.24) | **4.72** (3.34-6.74) | **5.47** (3.74-8.10) |
| 12-hr | **0.679** (0.566-0.823) | **1.04** (0.868-1.26) | **1.57** (1.30-1.91) | **2.03** (1.67-2.49) | **2.73** (2.17-3.46) | **3.32** (2.58-4.30) | **3.96** (3.01-5.27) | **4.69** (3.46-6.41) | **5.76** (4.08-8.23) | **6.68** (4.56-9.88) |
| 24-hr | **0.794** (0.703-0.916) | **1.24** (1.09-1.43) | **1.87** (1.65-2.17) | **2.44** (2.13-2.84) | **3.28** (2.78-3.95) | **4.00** (3.32-4.91) | **4.78** (3.88-6.02) | **5.66** (4.47-7.32) | **6.98** (5.29-9.39) | **8.10** (5.94-11.3) |
| 2-day | **0.885** (0.783-1.02) | **1.39** (1.22-1.60) | **2.11** (1.86-2.44) | **2.74** (2.40-3.20) | **3.69** (3.13-4.44) | **4.49** (3.72-5.51) | **5.36** (4.35-6.74) | **6.33** (5.00-8.19) | **7.78** (5.90-10.5) | **9.00** (6.60-12.5) |
| 3-day | **0.928** (0.822-1.07) | **1.46** (1.29-1.68) | **2.22** (1.96-2.57) | **2.89** (2.53-3.38) | **3.89** (3.30-4.69) | **4.73** (3.93-5.82) | **5.66** (4.59-7.12) | **6.68** (5.27-8.64) | **8.20** (6.22-11.0) | **9.49** (6.96-13.2) |
| 4-day | **0.956** (0.847-1.10) | **1.50** (1.33-1.74) | **2.30** (2.02-2.66) | **2.99** (2.62-3.49) | **4.03** (3.41-4.85) | **4.90** (4.07-6.02) | **5.85** (4.75-7.36) | **6.91** (5.46-8.94) | **8.48** (6.43-11.4) | **9.81** (7.20-13.7) |
| 7-day | **1.02** (0.907-1.18) | **1.62** (1.44-1.87) | **2.48** (2.19-2.88) | **3.24** (2.84-3.78) | **4.37** (3.70-5.27) | **5.32** (4.41-6.53) | **6.35** (5.15-7.99) | **7.49** (5.91-9.68) | **9.18** (6.96-12.3) | **10.6** (7.77-14.7) |
| 10-day | **1.08** (0.954-1.24) | **1.71** (1.52-1.98) | **2.63** (2.32-3.04) | **3.44** (3.01-4.01) | **4.64** (3.93-5.59) | **5.64** (4.69-6.94) | **6.74** (5.47-8.48) | **7.95** (6.28-10.3) | **9.75** (7.39-13.1) | **11.3** (8.25-15.7) |
| 20-day | **1.17** (1.04-1.35) | **1.88** (1.66-2.17) | **2.91** (2.56-3.37) | **3.82** (3.34-4.45) | **5.18** (4.39-6.23) | **6.32** (5.24-7.76) | **7.56** (6.13-9.52) | **8.94** (7.06-11.6) | **11.0** (8.32-14.8) | **12.7** (9.30-17.6) |
| 30-day | **1.31** (1.16-1.51) | **2.11** (1.86-2.43) | **3.27** (2.88-3.78) | **4.31** (3.77-5.02) | **5.86** (4.97-7.06) | **7.17** (5.96-8.81) | **8.60** (6.98-10.8) | **10.2** (8.04-13.2) | **12.5** (9.50-16.9) | **14.5** (10.6-20.2) |
| 45-day | **1.43** (1.26-1.64) | **2.31** (2.04-2.66) | **3.60** (3.18-4.17) | **4.76** (4.17-5.56) | **6.52** (5.52-7.85) | **8.01** (6.65-9.84) | **9.64** (7.81-12.1) | **11.4** (9.03-14.8) | **14.1** (10.7-19.0) | **16.3** (12.0-22.7) |
| 60-day | **1.55** (1.37-1.78) | **2.51** (2.22-2.89) | **3.93** (3.46-4.54) | **5.21** (4.56-6.08) | **7.15** (6.06-8.61) | **8.80** (7.31-10.8) | **10.6** (8.62-13.4) | **12.6** (9.98-16.3) | **15.6** (11.8-21.0) | **18.1** (13.3-25.2) |

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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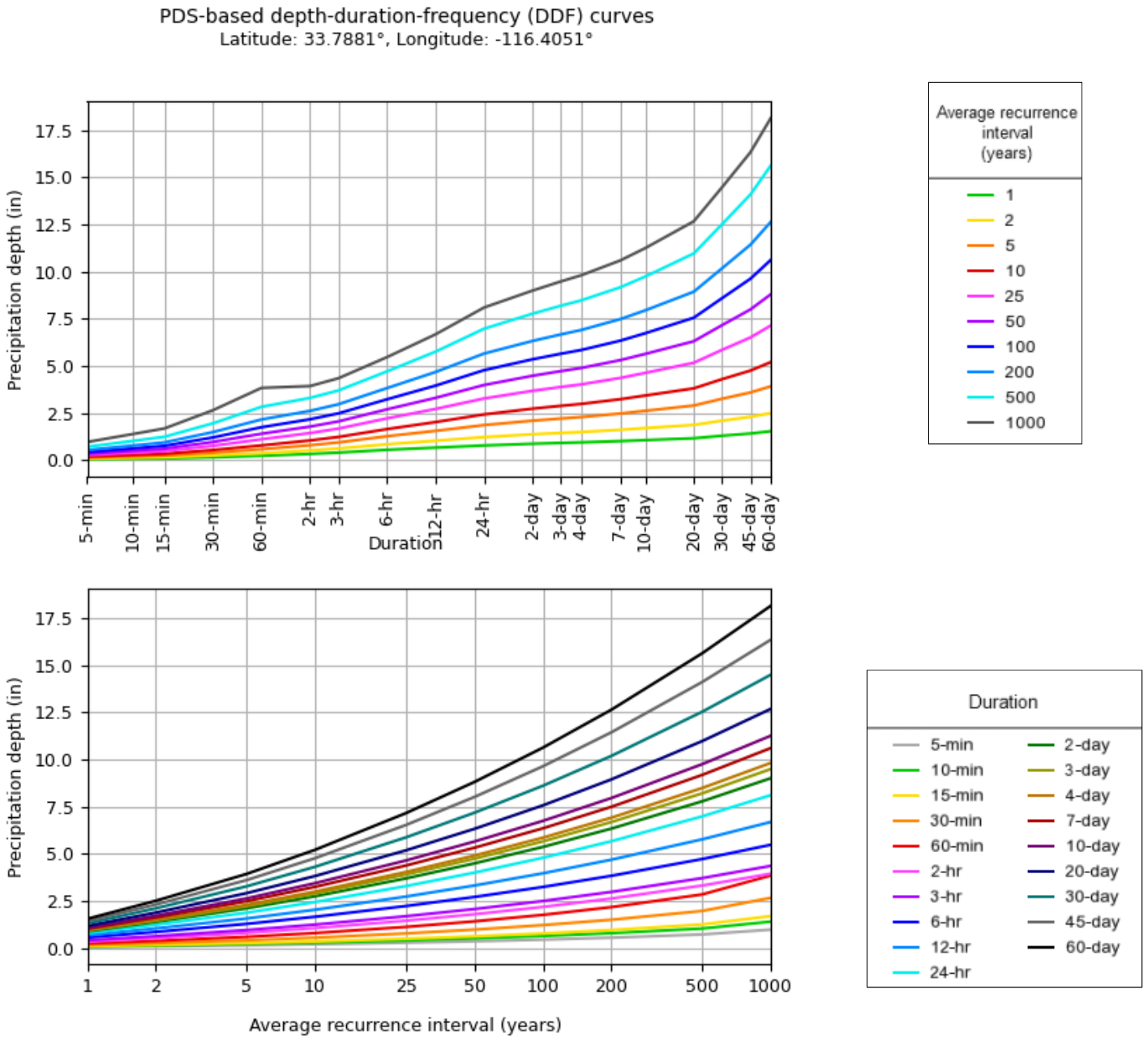
# PF graphical




NOAA Atlas 14, Volume 6, Version 2

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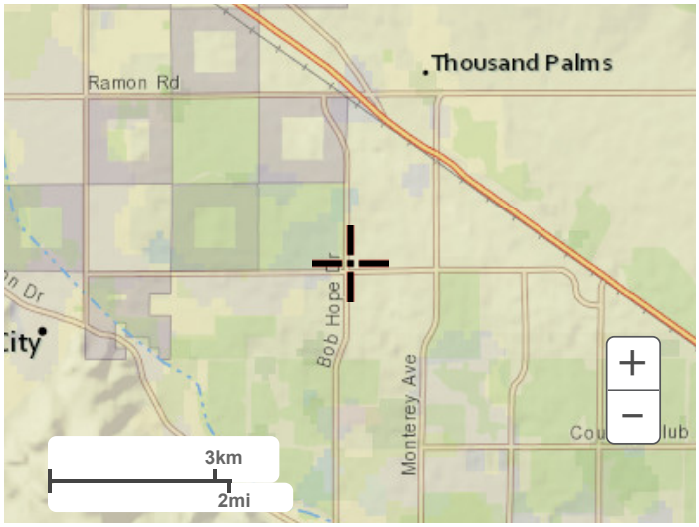
# Maps & aerials

### Small scale terrain




**Large scale terrain**


**Large scale map**


**Large scale aerial**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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC II

| Cover Type (3) | Quality of Cover (2) | Soil Group A | B | C | D |
|---|---|---|---|---|---|
| NATURAL COVERS - | | | | | |
| Barren (Rockland, eroded and graded land) | | 78 | 86 | 91 | 93 |
| Chaparrel, Broadleaf (Manzonita, ceanothus and scrub oak) | Poor | 53 | 70 | 80 | 85 |
| | Fair | 40 | 63 | 75 | 81 |
| | Good | 31 | 57 | 71 | 78 |
| Chaparrel, Narrowleaf (Chamise and redshank) | Poor | 71 | 82 | 88 | 91 |
| | Fair | 55 | 72 | 81 | 86 |
| Grass, Annual or Perennial | Poor | 67 | 78 | 86 | 89 |
| | Fair | 50 | 69 | 79 | 84 |
| | Good | 38 | 61 | 74 | 80 |
| Meadows or Cienegas (Areas with seasonally high water table, principal vegetation is sod forming grass) | Poor | 63 | 77 | 85 | 88 |
| | Fair | 51 | 70 | 80 | 84 |
| | Good | 30 | 58 | 72 | 78 |
| Open Brush (Soft wood shrubs - buckwheat, sage, etc.) | Poor | 62 | 76 | 84 | 88 |
| | Fair | 46 | 66 | 77 | 83 |
| | Good | 41 | 63 | 75 | 81 |
| Woodland (Coniferous or broadleaf trees predominate. Canopy density is at least 50 percent) | Poor | 45 | 66 | 77 | 83 |
| | Fair | 36 | 60 | 73 | 79 |
| | Good | 28 | 55 | 70 | 77 |
| Woodland, Grass (Coniferous or broadleaf trees with canopy density from 20 to 50 percent) | Poor | 57 | 73 | 82 | 86 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| URBAN COVERS - | | | | | |
| Residential or Commercial Landscaping (Lawn, shrubs, etc.) | Good | 32 | 56 | 69 | 75 |
| Turf (Irrigated and mowed grass) | Poor | 58 | 74 | 83 | 87 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| AGRICULTURAL COVERS - | | | | | |
| Fallow (Land plowed but not tilled or seeded) | | 76 | 85 | 90 | 92 |

**RCFC & WCD**
HYDROLOGY MANUAL

RUNOFF INDEX NUMBERS FOR PERVIOUS AREAS

PLATE E-6.1 (1 of 2)

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC II

| Cover Type (3) | Quality of Cover (2) | Soil Group A | B | C | D |
|---|---|---|---|---|---|
| AGRICULTURAL COVERS (cont.) - | | | | | |
| Legumes, Close Seeded (Alfalfa, sweetclover, timothy, etc.) | Poor | 66 | 77 | 85 | 89 |
| | Good | 58 | 72 | 81 | 85 |
| Orchards, Deciduous (Apples, apricots, pears, walnuts, etc.) | | See Note 4 | | | |
| Orchards, Evergreen (Citrus, avocados, etc.) | Poor | 57 | 73 | 82 | 86 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| Pasture, Dryland (Annual grasses) | Poor | 67 | 78 | 86 | 89 |
| | Fair | 50 | 69 | 79 | 84 |
| | Good | 38 | 61 | 74 | 80 |
| Pasture, Irrigated (Legumes and perennial grass) | Poor | 58 | 74 | 83 | 87 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| Row Crops (Field crops - tomatoes, sugar beets, etc.) | Poor | 72 | 81 | 88 | 91 |
| | Good | 67 | 78 | 85 | 89 |
| Small Grain (Wheat, oats, barley, etc.) | Poor | 65 | 76 | 84 | 88 |
| | Good | 63 | 75 | 83 | 87 |
| Vineyard | | See Note 4 | | | |

Notes:

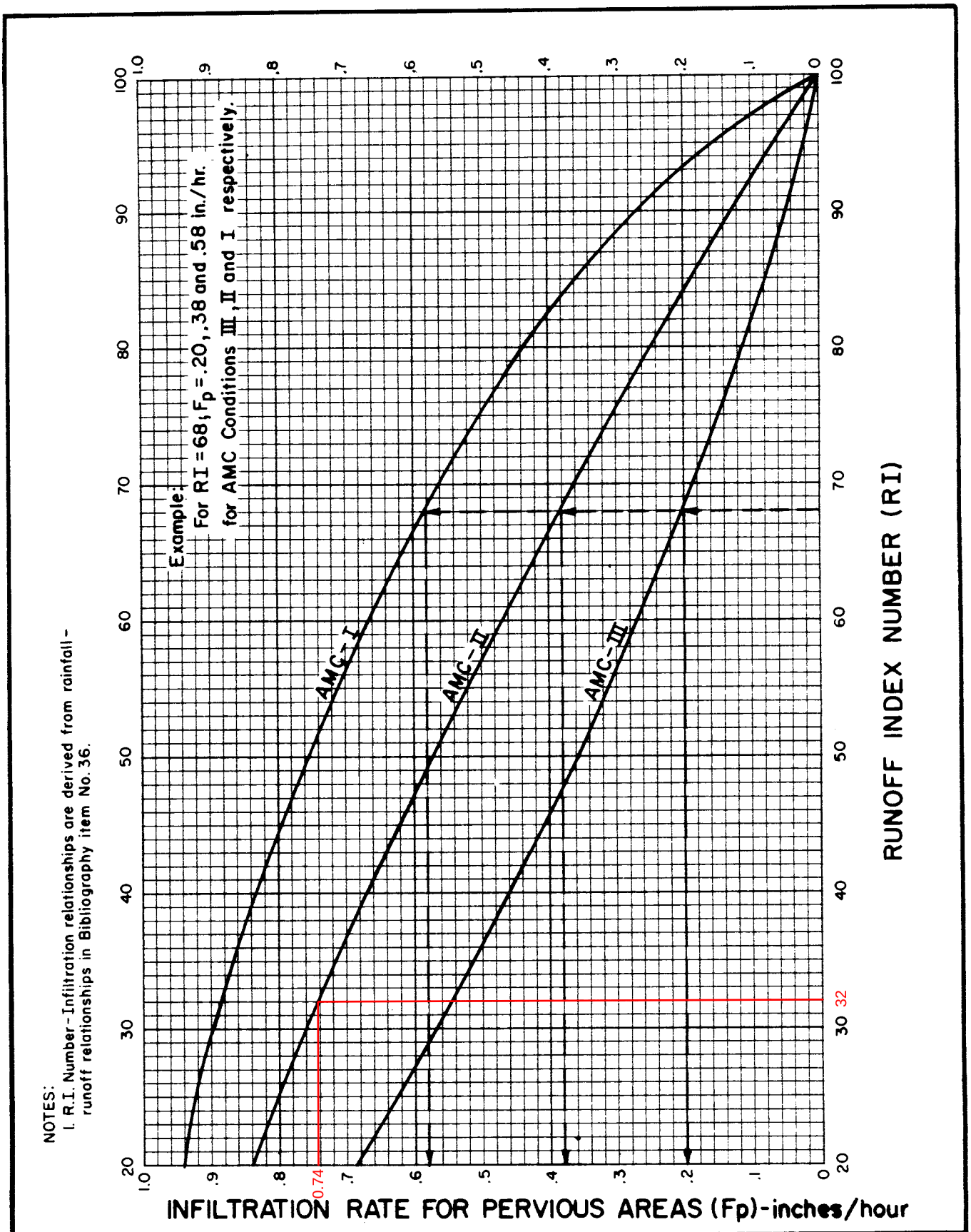
1. All runoff index (RI) numbers are for Antecedent Moisture Condition (AMC) II.

2. Quality of cover definitions:
   Poor-Heavily grazed or regularly burned areas. Less than 50 percent of the ground surface is protected by plant cover or brush and tree canopy.
   Fair-Moderate cover with 50 percent to 75 percent of the ground surface protected.
   Good-Heavy or dense cover with more than 75 percent of the ground surface protected.

3. See Plate C-2 for a detailed description of cover types.

4. Use runoff index numbers based on ground cover type. See discussion under "Cover Type Descriptions" on Plate C-2.

5. Reference Bibliography item 17.




**RCFC & WCD**

HYDROLOGY MANUAL

INFILTRATION RATE FOR PERVIOUS AREAS VERSUS RUNOFF INDEX NUMBERS

PLATE E-6.2

# APPENDIX F

## NATIONAL FLOOD HAZARD LAYER FIRMETTE

# National Flood Hazard Layer FIRMette

FEMA

116°24'37"W 33°47'32"N


116°24'W 33°47'2"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

*Basemap Imagery Source: USGS National Map 2023*

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/29/2023 at 12:46 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# APPENDIX G

## ADS STORMTECH UNDERGROUND STORAGE CHAMBERS PLANS

## User Inputs

| | |
|---|---|
| **Chamber Model:** | MC-3500 |
| **Outlet Control Structure:** | No |
| **Project Name:** | Skilled Nursing Facility |
| **Engineer:** | N/A |
| **Project Location:** | California |
| **Measurement Type:** | Imperial |
| **Required Storage Volume:** | 3500 cubic ft. |
| **Stone Porosity:** | 40% |
| **Stone Foundation Depth:** | 9 in. |
| **Stone Above Chambers:** | 12 in. |
| **Average Cover Over Chambers:** | 18 in. |
| **Design Constraint Dimensions:** | (21.75 ft. x 80 ft.) |

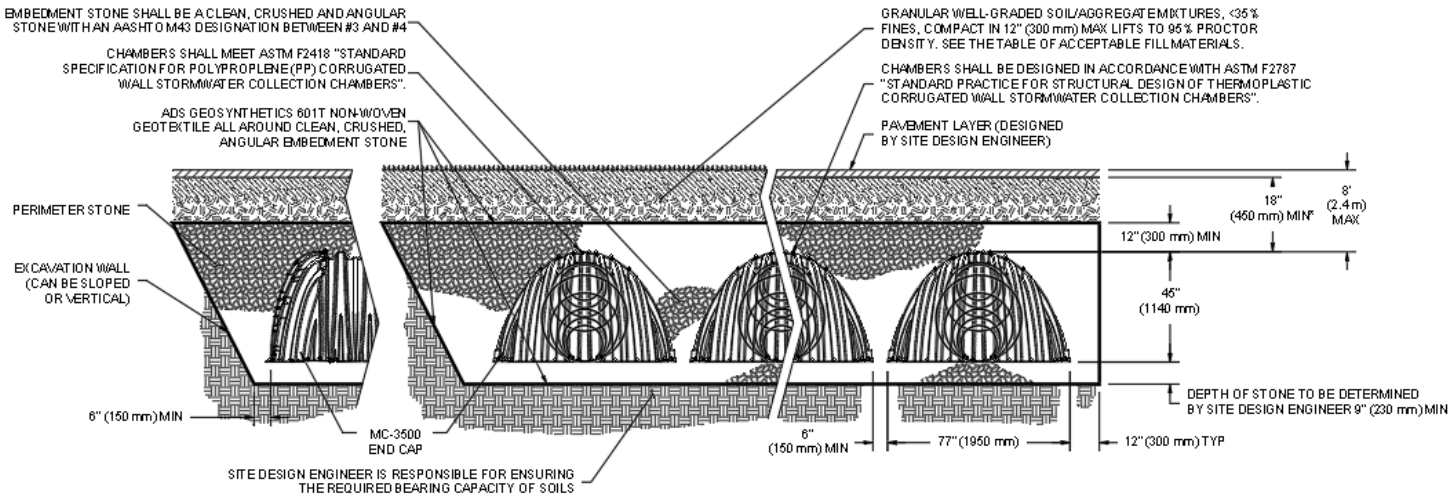
## Results

### System Volume and Bed Size

| | |
|---|---|
| **Installed Storage Volume:** | 3725.06 cubic ft. |
| **Storage Volume Per Chamber:** | 109.90 cubic ft. |
| **Number Of Chambers Required:** | 18 |
| **Number Of End Caps Required:** | 4 |
| **Chamber Rows:** | 2 |
| **Maximum Length:** | 74.18 ft. |
| **Maximum Width:** | 15.33 ft. |
| **Approx. Bed Size Required:** | 1137.45 square ft. |

### System Components

| | |
|---|---|
| **Amount Of Stone Required:** | 157 cubic yards |
| **Volume Of Excavation (Not Including Fill):** | 232 cubic yards |
| **Total Non-woven Geotextile Required:** | 435 square yards |
| **Woven Geotextile Required (excluding Isolator Row):** | 17 square yards |
| **Woven Geotextile Required (Isolator Row):** | 80 square yards |
| **Total Woven Geotextile Required:** | 97 square yards |
| **Impervious Liner Required:** | 0 square yards |



| PROJECT INFORMATION | |
|---|---|
| ENGINEERED PRODUCT MANAGER | |
| ADS SALES REP | |
| PROJECT NO. | |

Advanced Drainage Systems, Inc.

ADS SiteAssist™
FOR STORMTECH
INSTALLATION INSTRUCTIONS
VISIT OUR APP

# SKILLED NURSING FACILITY

## RANCHO MIRAGE, CA, USA

## MC-3500 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-3500.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

## IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

1. STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
9. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
10. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
11. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

## NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

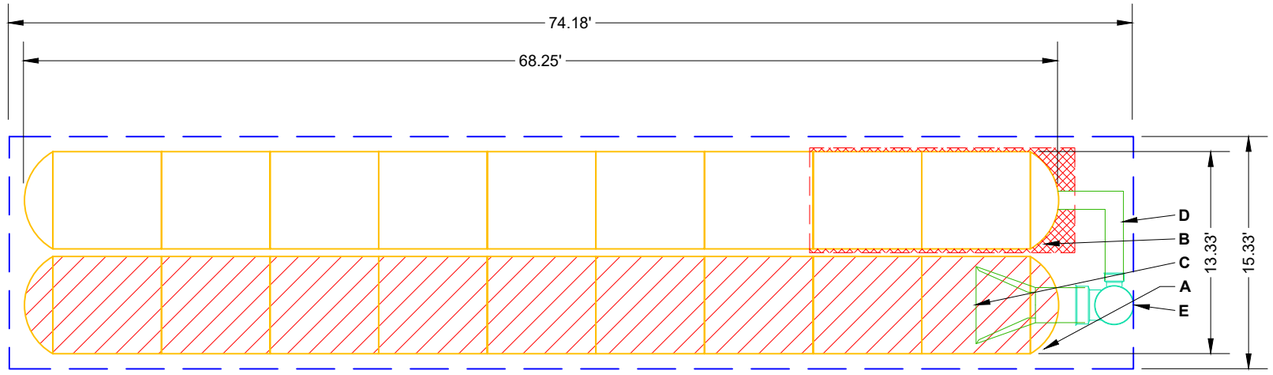
**USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.**

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

| PROPOSED LAYOUT | | CONCEPTUAL ELEVATIONS: | |
|---|---|---|---|
| 18 | STORMTECH MC-3500 CHAMBERS | MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED): | 12.50 |
| 4 | STORMTECH MC-3500 END CAPS | MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC): | 6.50 |
| 12 | STONE ABOVE (in) | MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC): | 6.00 |
| 9 | STONE BELOW (in) | MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT): | 6.00 |
| 40 | STONE VOID | MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT): | 6.00 |
| 3726 | INSTALLED SYSTEM VOLUME (CF)<br>(PERIMETER STONE INCLUDED)<br>(COVER STONE INCLUDED)<br>(BASE STONE INCLUDED) | TOP OF STONE: | 5.50 |
| | | TOP OF MC-3500 CHAMBER: | 4.50 |
| | | 12" x 12" TOP MANIFOLD INVERT: | 2.95 |
| | | 24" ISOLATOR ROW PLUS INVERT: | 0.92 |
| 1137 | SYSTEM AREA (SF) | BOTTOM OF MC-3500 CHAMBER: | 0.75 |
| 179.0 | SYSTEM PERIMETER (ft) | BOTTOM OF STONE: | 0.00 |

*INVERT ABOVE BASE OF CHAMBER

| PART TYPE | ITEM ON LAYOUT | DESCRIPTION | INVERT* | MAX FLOW |
|---|---|---|---|---|
| PREFABRICATED END CAP | A | 24" BOTTOM CORED END CAP, PART#: MC3500IEPP24BC / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS | 2.06" | |
| PREFABRICATED END CAP | B | 12" TOP CORED END CAP, PART#: MC3500IEPP12T / TYP OF ALL 12" TOP CONNECTIONS | 26.36" | |
| FLAMP | C | INSTALL FLAMP ON 24" ACCESS PIPE / PART#: MCFLAMP | | |
| MANIFOLD | D | 12" x 12" TOP MANIFOLD, ADS N-12 | 26.36" | |
| NYLOPLAST (INLET W/ ISO PLUS ROW) | E | 30" DIAMETER (24.00" SUMP MIN) | | 2.5 CFS IN |




ISOLATOR ROW PLUS
(SEE DETAIL)

PLACE MINIMUM 17.50' OF ADSPLUS175 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

**NOTES**

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

SKILLED NURSING FACILITY
RANCHO MIRAGE, CA, USA
DATE:
DRAWN: DP
CHECKED: N/A
PROJECT #:

| DATE | DRW | CHK | DESCRIPTION |
|---|---|---|---|



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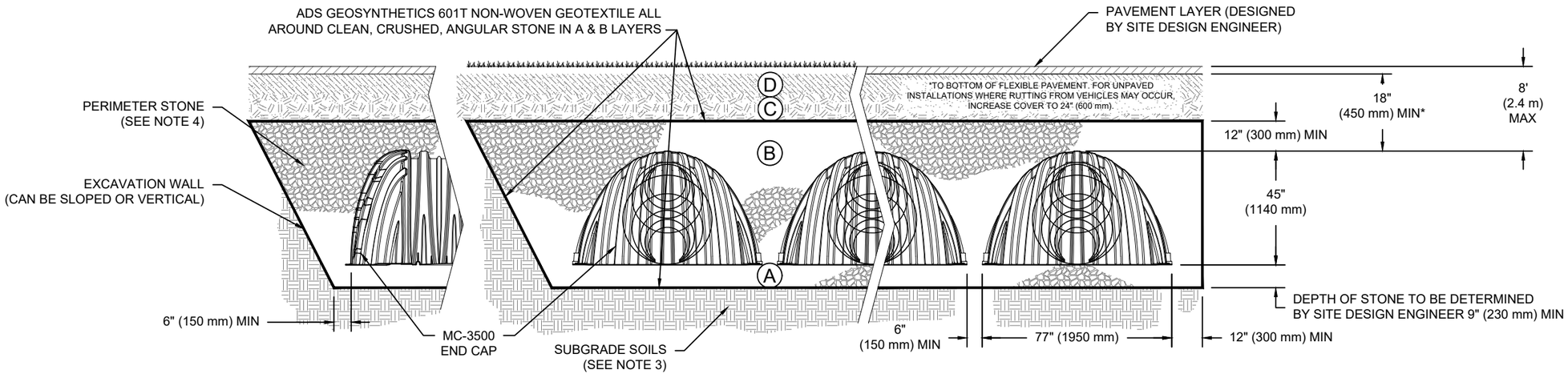
4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

0 10 20

# ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

| MATERIAL LOCATION | | DESCRIPTION | AASHTO MATERIAL CLASSIFICATIONS | COMPACTION / DENSITY REQUIREMENT |
|---|---|---|---|---|
| D | **FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER | ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS. | N/A | PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS. |
| C | **INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER. | GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE.<br><br>MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER. | AASHTO M145[1]<br>A-1, A-2-4, A-3<br><br>OR<br><br>AASHTO M43[1]<br>3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10 | BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. |
| B | **EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE. | CLEAN, CRUSHED, ANGULAR STONE | AASHTO M43[1]<br>3, 4 | NO COMPACTION REQUIRED. |
| A | **FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER. | CLEAN, CRUSHED, ANGULAR STONE | AASHTO M43[1]<br>3, 4 | PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3] |

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.




## NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

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DATE:
DRAWN: DP
PROJECT #:
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| DATE | DRW | CHK | DESCRIPTION |
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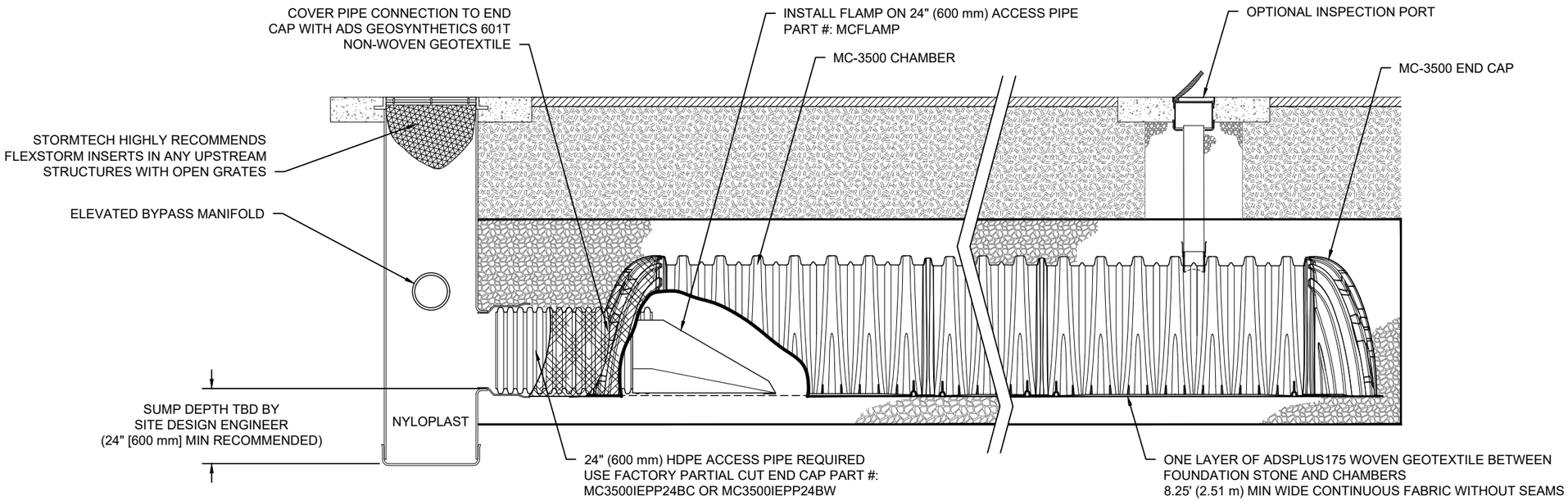


**MC-3500 ISOLATOR ROW PLUS DETAIL**
NTS

## INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

## NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.

2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

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# MC-3500 TECHNICAL SPECIFICATION

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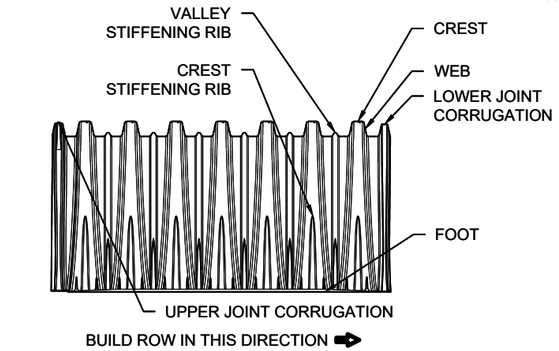
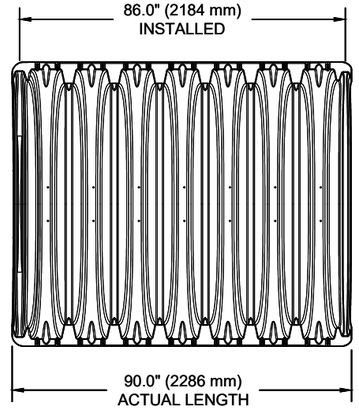
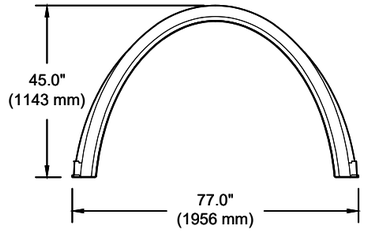
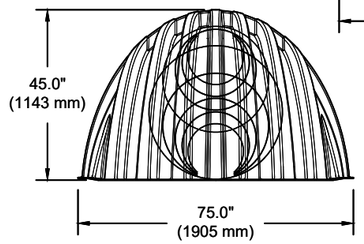
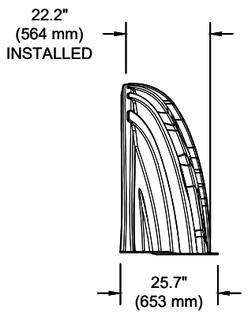



**NOMINAL CHAMBER SPECIFICATIONS**

| | | |
|---|---|---|
| SIZE (W X H X INSTALLED LENGTH) | 77.0" X 45.0" X 86.0" | (1956 mm X 1143 mm X 2184 mm) |
| CHAMBER STORAGE | 109.9 CUBIC FEET | (3.11 m³) |
| MINIMUM INSTALLED STORAGE* | 175.0 CUBIC FEET | (4.96 m³) |
| WEIGHT | 134 lbs. | (60.8 kg) |

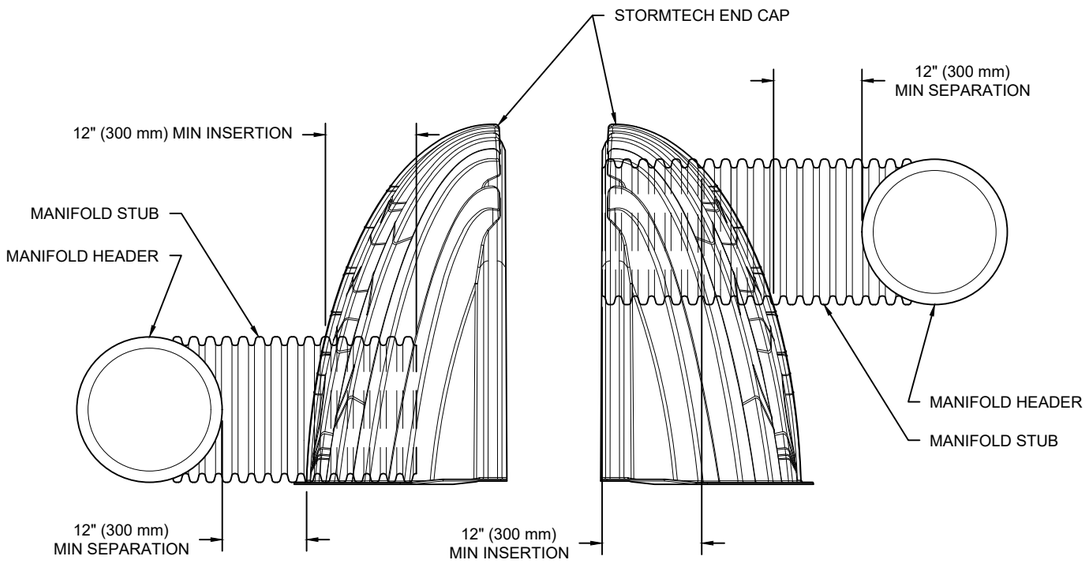
**NOMINAL END CAP SPECIFICATIONS**

| | | |
|---|---|---|
| SIZE (W X H X INSTALLED LENGTH) | 75.0" X 45.0" X 22.2" | (1905 mm X 1143 mm X 564 mm) |
| END CAP STORAGE | 14.9 CUBIC FEET | (0.42 m³) |
| MINIMUM INSTALLED STORAGE* | 45.1 CUBIC FEET | (1.28 m³) |
| WEIGHT | 49 lbs. | (22.2 kg) |

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION, 6" SPACING BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

# MC-SERIES END CAP INSERTION DETAIL

NTS

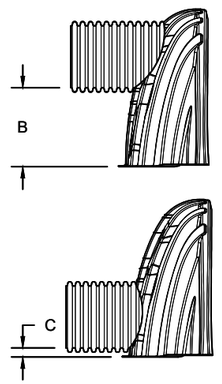



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A WELDED CROWN PLATE END WITH "C"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

| PART # | STUB | B | C |
|---|---|---|---|
| MC3500IEPP06T | 6" (150 mm) | 33.21" (844 mm) | --- |
| MC3500IEPP06B | | --- | 0.66" (17 mm) |
| MC3500IEPP08T | 8" (200 mm) | 31.16" (791 mm) | --- |
| MC3500IEPP08B | | --- | 0.81" (21 mm) |
| MC3500IEPP10T | 10" (250 mm) | 29.04" (738 mm) | --- |
| MC3500IEPP10B | | --- | 0.93" (24 mm) |
| MC3500IEPP12T | 12" (300 mm) | 26.36" (670 mm) | --- |
| MC3500IEPP12B | | --- | 1.35" (34 mm) |
| MC3500IEPP15T | 15" (375 mm) | 23.39" (594 mm) | --- |
| MC3500IEPP15B | | --- | 1.50" (38 mm) |
| MC3500IEPP18TC | 18" (450 mm) | 20.03" (509 mm) | --- |
| MC3500IEPP18TW | | | |
| MC3500IEPP18BC | | --- | 1.77" (45 mm) |
| MC3500IEPP18BW | | | |
| MC3500IEPP24TC | 24" (600 mm) | 14.48" (368 mm) | --- |
| MC3500IEPP24TW | | | |
| MC3500IEPP24BC | | --- | 2.06" (52 mm) |
| MC3500IEPP24BW | | | |
| MC3500IEPP30BC | 30" (750 mm) | --- | 2.75" (70 mm) |

NOTE: ALL DIMENSIONS ARE NOMINAL




CUSTOM PRECORED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

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# NYLOPLAST DRAIN BASIN

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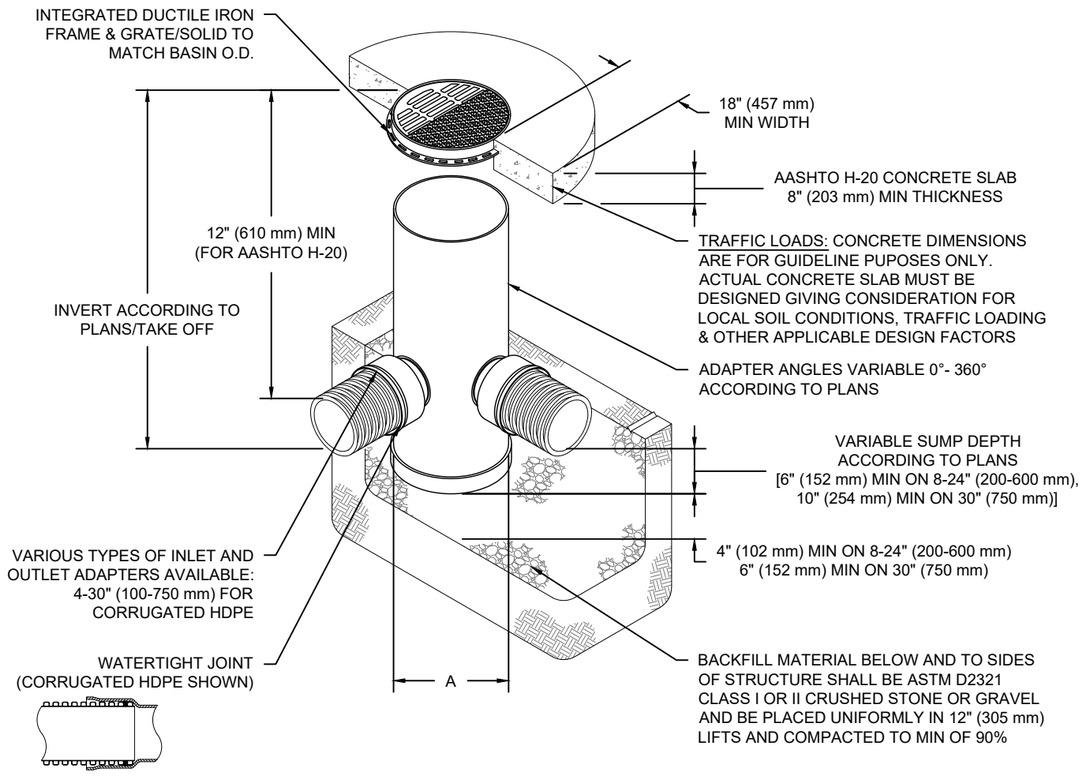


## NOTES

1. 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: **WWW.NYLOPLAST-US.COM**
6. TO ORDER CALL: **800-821-6710**

| A | PART # | GRATE/SOLID COVER OPTIONS | | |
|---|---|---|---|---|
| 8" (200 mm) | 2808AG | PEDESTRIAN LIGHT DUTY | STANDARD LIGHT DUTY | SOLID LIGHT DUTY |
| 10" (250 mm) | 2810AG | PEDESTRIAN LIGHT DUTY | STANDARD LIGHT DUTY | SOLID LIGHT DUTY |
| 12" (300 mm) | 2812AG | PEDESTRIAN AASHTO H-10 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |
| 15" (375 mm) | 2815AG | PEDESTRIAN AASHTO H-10 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |
| 18" (450 mm) | 2818AG | PEDESTRIAN AASHTO H-10 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |
| 24" (600 mm) | 2824AG | PEDESTRIAN AASHTO H-10 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |
| 30" (750 mm) | 2830AG | PEDESTRIAN AASHTO H-20 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |

SKILLED NURSING FACILITY

RANCHO MIRAGE, CA, USA

DATE: | DRAWN: DP

PROJECT #: | CHECKED: N/A

| DATE | DRW | CHK | DESCRIPTION |
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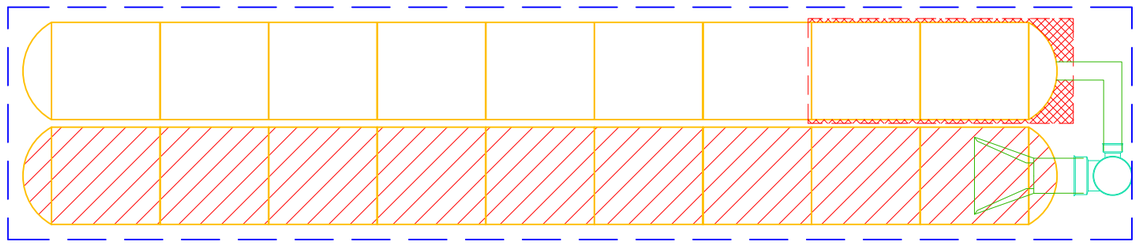

# Project Specific
# **Preliminary Water Quality Management Plan**

For: **Skilled Nursing Facility**

**NEC Gerald Ford Drive and Bob Hope Drive, Range Mirage, CA 92270**

**DEVELOPMENT NO.** **APN 685-120-003, 685-120-004**
**DESIGN REVIEW NO.** **-**

**Prepared for:**
Advanced Health Care
310 W. Park Lane
Farmington, UT 84025
Telephone: TBD

**Prepared by:**
Todd Pitner, P.E.
Danielle Peltier, E.I.T.
Michael Baker International
75-410 Gerald Ford Drive Suite 100
Palm Desert, CA 92211
Telephone: (760) 346-7481

Original Date Prepared: October 2023

Revision Date(s): -

# OWNER'S CERTIFICATION

This project-specific Water Quality Management Plan (WQMP) has been prepared for:

Advanced Health Care
by **Michael Baker International**
for the project known as **Skilled Nursing Facility** at **NEC Gerald Ford Drive and Bob Hope Drive, Range Mirage, CA 92270.**

This WQMP is intended to comply with the requirements of the **City of Rancho Mirage** for **APN 685-120-003, 685-120-004**, which includes the requirement for the preparation and implementation of a project-specific WQMP.

The undersigned, while owning the property/project described in the preceding paragraph, shall be responsible for the implementation of this WQMP and will ensure that this WQMP is amended as appropriate to reflect up-to-date conditions on the site. This WQMP will be reviewed with the facility operator, facility supervisors, employees, tenants, maintenance and service contractors, or any other party (or parties) having responsibility for implementing portions of this WQMP. At least one copy of this WQMP will be maintained at the project site or project office in perpetuity.

The undersigned is authorized to certify and to approve implementation of this WQMP. The undersigned is aware that implementation of this WQMP is enforceable under the **City of Rancho Mirage** Water Quality Ordinance (Municipal Code Section 15.64.140).

If the undersigned transfers its interest in the subject property/project, the undersigned shall notify the successor in interest of its responsibility to implement this WQMP.

"I, the undersigned, certify under penalty of law that I am the owner of the property that is the subject of this WQMP, and that the provisions of this WQMP have been reviewed and accepted and that the WQMP will be transferred to future successors in interest."

_____
Owner's Signature

_____
Owner's Printed Name

_____
Owner's Title/Position

_____
Date

**310 W. Park Lane**
**Farmington, UT 84025**
**Telephone TBD**

**ATTEST**

_____
Notary Signature

_____
Printed Name

_____
Title/Position

_____
Date

THIS FORM SHALL BE NOTARIZED BEFORE ACCEPTANCE OF THE FINAL PROJECT SPECIFIC WQMP

# Contents



## TABLES



## APPENDICES

# I. Project Description

**Project Owner**: Advanced Health Care
310 W. Park Lane
Farmington, UT 84025
Telephone: TBD

**WQMP Preparer**: Todd Pitner, P.E.
Danielle Peltier, E.I.T.
75-410 Gerald Ford Drive Suite 100
Palm Desert, CA 92211
Telephone: (760) 346-7481

| | |
|---|---|
| Project Site Address: | **NEC Gerald Ford Drive and Bob Hope Drive**<br>**Rancho Mirage, CA 92270** |
| Planning Area/<br>Community Name/<br>Development Name: | **City of Rancho Mirage/**<br>**Skilled Nursing Facility** |
| APN Number(s): | **685-120-003, 685-120-004** |
| Latitude & Longitude: | **33.788075°, -116.405137°** |
| Receiving Water: | **Whitewater River, Coachella Valley Stormwater Channel** |
| Project Site Size: | **5.4 acres** |

Standard Industrial Classification (SIC) Code: **8051**

Formation of Home Owners' Association (HOA)
or Property Owners Association (POA): Y ☐ N ☒

Additional Permits/Approvals required for the Project:

| AGENCY | Permit required |
|---|---|
| State Department of Fish and Wildlife, Fish and Game Code §1602 Streambed Alteration Agreement | Y ☐ N☒ |
| State Water Resources Control Board, Clean Water Act (CWA) Section 401 Water Quality Certification | Y ☐ N☒ |
| US Army Corps of Engineers, CWA Section 404 permit | Y ☐ N☒ |
| US Fish and Wildlife, Endangered Species Act Section 7 biological opinion | Y ☐ N☒ |
| Statewide Construction General Permit Coverage | Y ☒ N☐ |
| Statewide Industrial General Permit Coverage | Y ☐ N☒ |
| Other *(please list in the space below as required)* | |
| City of Rancho Mirage Building Permit | Y ☒ N☐ |
| City of Rancho Mirage Grading Permit | Y ☒ N☐ |

- The commercial project will not divert or obstruct the natural flow or change the bed, channel, or bank of any stream, river, or lake. Therefore, a State Department of Fish and Game, 1601 Streambed Alteration Agreement is not required.
- The commercial project will not result in discharge into navigable waters; therefore, a Clean Water Act Section 401 Water Quality Certification permit is not required.
- The commercial project will not result in the discharge of dredged or fill materials into the waters of the United States, including wetlands. A Clean Water Act Section 404 Permit is not required for this project.
- The commercial project site is not recognized as a habitat of an endangered species, nor does it form part of a Conservation Area under the Coachella Valley Multiple Species Habitat Conservation Plan. A U.S. Fish and Wildlife, Endangered Species Act Section 7 biological opinion is not required for this project.
- The commercial project is not industrial in nature. Therefore, coverage under the General Permit for Storm Water Discharges Associated with Industrial Activities is not required. This project will obtain coverage under the State Water Board NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities.

## Project Description:

The Skilled Nursing Facility is a proposed commercial development in the City of Rancho Mirage that consists of the new building, concrete flatwork, paved parking areas, landscape areas, and various associated site improvements. The project is approximately 5.4 acres and is located at the northeast corner of Gerald Ford Drive and Bob Hope Drive, Figure 1 shows the general vicinity of the project.

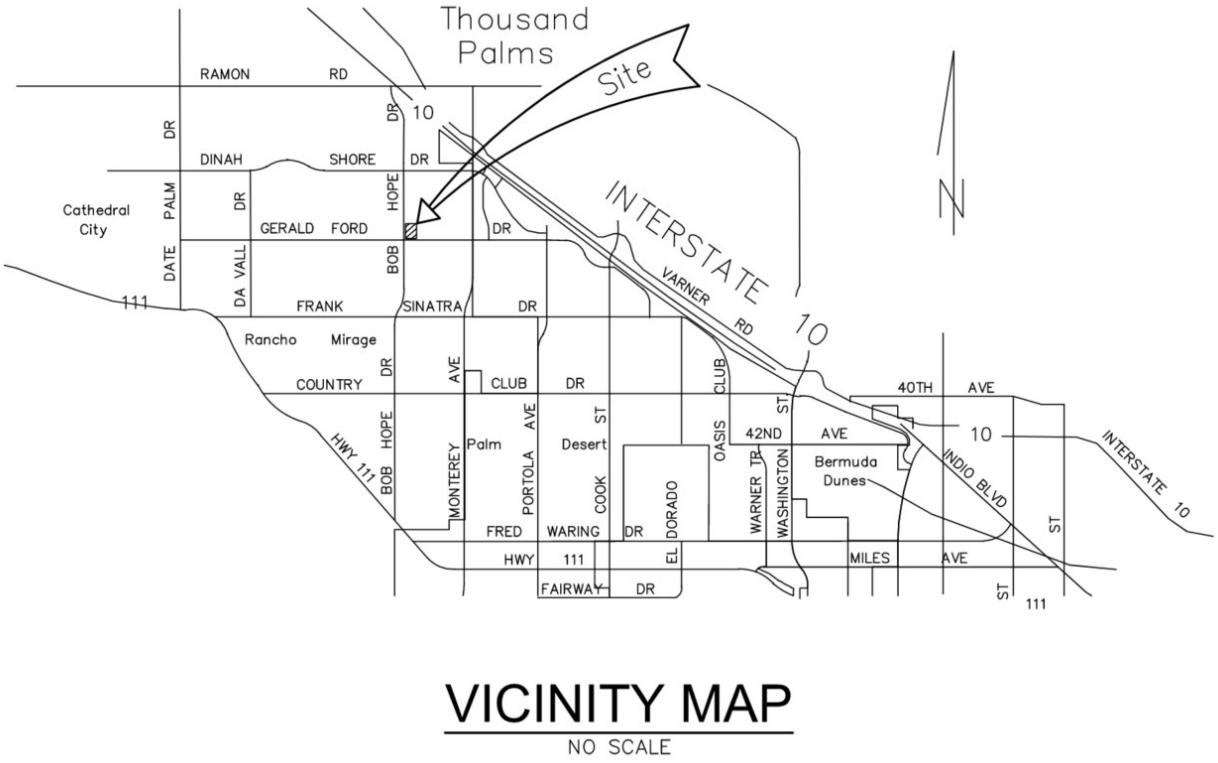


Figure 1. Vicinity Map

The project site is vacant with a meandering sidewalk on the south and west perimeters, which is the only existing impervious surface on the property. Runoff generally flows in the southerly direction until meeting Gerald Ford Drive – the proposed site has a similar drainage pattern.

The development proposes 3.73 acres (69.1%) of impervious land cover and 1.67 acres (30.9%) of pervious land cover. Approximately 4.41 acres of the project site drains to the proposed infiltration basins, and the rest consists of self-treating areas. The potential pollutants generated by this commercial and parking lot land use includes bacteria/viruses, heavy metals, toxic organic compounds, sediment/turbidity, trash & debris, and oil & grease. The harmful effects of these pollutants shall be reduced through proposed BMPs for the development.

## Activities:

The project doesn't have any specific area where heightened activities would warrant additional site design, source control, or treatment measures.

## Materials and Storage Delivery:

The project doesn't include any outdoor material storage areas.

**Generated Wastes:**

The project is expected to generate waste typical of commercial land uses, generally non-hazardous solid waste. Burrtec Waste Industries will collect and manage the project's waste on a typical schedule – pollution prevention, recycling practices, and waste reduction will be implemented on-site.

Appendix A of this project-specific WQMP includes a complete copy of the final Conditions of Approval. Appendix B of this project-specific WQMP includes:

a. A Vicinity Map identifying the project site and surrounding planning areas in sufficient detail; and

b. A Site Plan for the project. The Site Plan included as part of Appendix B depicts the following project features:

- Location and identification of all structural BMPs, including Source Control, LID/Site Design and Treatment Control BMPs.
- Landscaped areas.
- Paved areas and intended uses (i.e., parking, outdoor work area, outdoor material storage area, sidewalks, patios, tennis courts, etc.).
- Number and type of structures and intended uses (i.e., buildings, tenant spaces, dwelling units, community facilities such as pools, recreation facilities, tot lots, etc.).
- Infrastructure (i.e., streets, storm drains, etc.) that will revert to public agency ownership and operation.
- Location of existing and proposed public and private storm drainage facilities (i.e., storm drains, channels, basins, etc.), including catch basins and other inlets/outlet structures. Existing and proposed drainage facilities should be clearly differentiated.
- Location(s) of Receiving Waters to which the project directly or indirectly discharges.
- Location of points where onsite (or tributary offsite) flows exit the property/project site.
- Delineation of proposed drainage area boundaries, including tributary offsite areas, for each location where flows exit the project site and existing site (where existing site flows are required to be addressed). Each tributary area should be clearly denoted.
- Pre- and post-project topography.

Appendix I is a one page form that summarizes pertinent information relative to this project-specific WQMP.

# II. Site Characterization

Land Use Designation or Zoning: **Commercial Office, Special Corner**

Current Property Use: **Vacant**

Proposed Property Use: **Commercial Office (Medical)**

Availability of Soils Report: Y ☒ N ☐ *Note: A soils report is required if infiltration BMPs are utilized. Attach report in Appendix E.*

Phase 1 Site Assessment: Y ☐ N ☒ *Note: If prepared, attached remediation summary and use restrictions in Appendix H.*

**Receiving Waters for Urban Runoff from Site**

| Receiving Waters | EPA Approved 303(d) List Impairments | Designated Beneficial Uses | Proximity to RARE Beneficial Use Designated Receiving Waters |
|---|---|---|---|
| Whitewater River | Whitewater River is not a 303(d) impaired waterbody. | MUN, AGR, GWR, REC I, REC II, COLD, WILD, POW | - |
| Coachella Valley Stormwater Channel* | Toxaphene, Toxicity, Dieldrin, PCBs (Polychlorinated biphenyls), Indicator Bacteria (Pathogens), DDT (Dichlorodiphenyltrichloroethane), Ammonia, Dissolved Oxygen, Disulfoton | FRSH, REC I**, REC II**, WARM, WILD, RARE*** | 9.25 miles |

*Section of perennial flow from approximately Indio to the Salton Sea.
**Unauthorized use.
***Rare, endangered, or threatened wildlife exists in or utilizes some of these waterway(s). If the RARE beneficial use may be affected by a water quality control decision, responsibility for substantiation of the existence of rare, endangered, or threatened species on a case-by-case basis is upon the California Department of Fish and Wildlife on its own initiative and/or at the request of the Regional Water Board; and such substantiation must be provided within a reasonable time frame as approved by the Regional Water Board.

# III. Pollutants of Concern

**Table 1. Pollutant of Concern Summary**

| Pollutant Category | Potential for Project and/or Existing Site | Causing Receiving Water Impairment |
|---|---|---|
| Bacteria/Virus | Y | Y (Indicator Bacteria/Pathogens) |
| Heavy Metals | N | N |
| Nutrients | N | Y |
| Toxic Organic Compounds | Y | Y (DDT, Dieldrin, Disulfoton, PCBs, Toxaphene) |
| Sediment/Turbidity | Y | N |
| Trash & Debris | Y | N |
| Oil & Grease | Y | N |

Per the most recent Colorado River Basin Integrated Report (Category 5 2018 located here: https://www.waterboards.ca.gov/coloradoriver/water_issues/programs/tmdl/rb7_303d_list.html) the Coachella Valley Stormwater Channel is impaired by Ammonia, DDT (Dichlorodiphenyltrichloroethane), Dieldrin, Disulfoton, Indicator Bacteria (Pathogens), Dissolved Oxygen, PCBs (Polychlorinated biphenyls), Toxaphene, and Toxicity.

**NOTE: DDT, DIELDRIN, PCBs, AND TOXAPHENE ARE BANNED SUBSTANCES IN THE UNITED STATES. DISULFOTON IS A CANCELED PESTICIDE THAT IS NO LONGER PRODUCED IN THE UNITED STATES.**

Pollutants of Concern: Based on the comparison of the potential project pollutants with the pollutant categories causing receiving water impairments, the pollutants of concern include **bacteria/virus** and **toxic organic compounds**. The project's proposed storm drain improvements are designed to intercept and retain the flood volume caused by the 24-hour, 100-year storm event. Therefore, this project will not produce runoff or pollutants that could affect offsite area or downstream resources, such as the proximate receiving waters.

# IV. Hydrologic Conditions of Concern

**Local Jurisdiction Requires On-Site Retention of Urban Runoff:**

Yes ☒ The project will be required to retain urban runoff onsite in conformance with local ordinance (See Table 6 of the WQMP Guidance document, "Local Land use Authorities Requiring Onsite Retention of Stormwater"). This section does not need to be completed; however, retention facility design details and sizing calculations must be included in Appendix F.

No ☐ This section must be completed.

**This Project meets the following condition:**

☐ **Condition A**: 1) Runoff from the Project is discharged directly to a publicly-owned, operated and maintained MS4 or engineered and maintained channel, 2) the discharge is in full compliance with local land use authority requirements for connections and discharges to the MS4 (including both quality and quantity requirements), 3) the discharge would not significantly impact stream habitat in proximate Receiving Waters, **and** 4) the discharge is authorized by the local land use authority.

☐ **Condition B**: The project disturbs less than 1 acre and is not part of a larger common plan of development that exceeds 1 acre of disturbance. The disturbed area calculation must include all disturbances associated with larger plans of development.

☐ **Condition C**: The project's runoff flow rate, volume, velocity and duration for the post-development condition do not exceed the pre-development condition for the 2-year, 24-hour and 10-year 24-hour rainfall events. This condition can be achieved by, where applicable, complying with the local land use authority's on-site retention ordinance, or minimizing impervious area on a site and incorporating other Site-Design BMP concepts and LID/Site Design BMPs that assure non-exceedance of pre-development conditions. This condition must be substantiated by hydrologic modeling methods acceptable to the local land use authority.

☐ **None:** Refer to Section 3.4 of the Whitewater River Region WQMP Guidance document for additional requirements.

Supporting engineering studies, calculations, and reports are included in Appendix C.

| | 2 year – 24 hour | | 10 year – 24 hour | |
|---|---|---|---|---|
| | **Precondition** | **Post-condition** | **Precondition** | **Post-condition** |
| **Discharge (cfs)** | | | | |
| **Velocity (fps)** | | | | |
| **Volume (cubic feet)** | | | | |
| **Duration (minutes)** | | | | |

# V. Best Management Practices

This project implements Best Management Practices (BMPs) to address the Pollutants of Concern that may potentially be generated from the use of the project site. These BMPs have been selected and implemented to comply with Section 3.5 of the WQMP Guidance document, and consist of Site Design BMP concepts, Source Control, LID/Site Design and, if/where necessary, Treatment Control BMPs as described herein.

## V.1 Site Design BMP Concepts, LID/Site Design and Treatment Control BMPs

Local Jurisdiction Requires On-Site Retention of Urban Runoff:

Yes ☒ The project will be required to retain Urban Runoff onsite in conformance with local ordinance (See Table 6 of the WQMP Guidance document, "Local Land use Authorities Requiring Onsite Retention of Stormwater). **The LID/Site Design measurable goal has thus been met (100%), and Sections V.1.A and V.1.B do not need to be completed**; however, retention facility design details and sizing calculations must be included in Appendix F, and '100%' should be entered into Column 3 of Table 6 below.

No ☐ Section V.1 must be completed.

This section of the Project-Specific WQMP documents the LID/Site Design BMPs and, if/where necessary, the Treatment Control BMPs that will be implemented on the project to meet the requirements detailed within Section 3.5.1 of the WQMP Guidance document. Section 3.5.1 includes requirements to implement Site Design Concepts and BMPs, and includes requirements to address Pollutants of Concern with BMPs. Further, sub-section 3.5.1.1 specifically requires that Pollutants of Concern be addressed with LID/Site Design BMPs to the extent feasible.

LID/Site Design BMPs are those BMPs listed within Table 2 below which promote retention and/or feature a natural treatment mechanism; off-site and regionally-based BMPs are also LID/Site Design BMPs, and therefore count towards the measurable goal, if they fit these criteria. This project incorporates LID/Site Design BMPs to fully address the Treatment Control BMP requirement where and to the extent feasible. If and where it has been acceptably demonstrated to the local land use authority that it is infeasible to fully meet this requirement with LID/Site Design BMPs, Section V.1.B (below) includes a description of the conventional Treatment Control BMPs that will be substituted to meet the same requirements.

In addressing Pollutants of Concern, BMPs are selected using Table 2 below.

## Table 2. BMP Selection Matrix Based Upon Pollutant of Concern Removal Efficiency (1)

(Sources: Riverside County Flood Control & Water Conservation District Design Handbook for Low Impact Development Best Management Practices, dated September 2011, the Orange County Technical Guidance Document for Water Quality Management Plans, dated May 19, 2011, and the Caltrans Treatment BMP Technology Report, dated April 2010 and April 2008)

| Pollutant of Concern | Landscape Swale[2, 3] | Landscape Strip[2, 3] | Biofiltration (with underdrain)[2, 3] | Extended Detention Basin[2] | Sand Filter Basin[2] | Infiltration Basin[2] | Infiltration Trench[2] | Permeable Pavement[2] | Bioretention (w/o underdrain)[2, 3] | Other BMPs Including Proprietary BMPs[4, 6] |
|---|---|---|---|---|---|---|---|---|---|---|
| Sediment & Turbidity | M | M | H | M | H | H | H | H | H | Varies by Product[5] |
| Nutrients | L/M | L/M | M | L/M | L/M | H | H | H | H | |
| Toxic Organic Compounds | M/H | M/H | M/H | L | L/M | H | H | H | H | |
| Trash & Debris | L | L | H | H | H | H | H | L | H | |
| Bacteria & Viruses (also: Pathogens) | L | M | H | L | M | H | H | H | H | |
| Oil & Grease | M | M | H | M | H | H | H | H | H | |
| Heavy Metals | M | M/H | M/H | L/M | M | H | H | H | H | |

Abbreviations:

L: Low removal efficiency M: Medium removal efficiency H: High removal efficiency

Notes:

(1) Periodic performance assessment and updating of the guidance provided by this table may be necessary.

(2) Expected performance when designed in accordance with the most current edition of the document, "Riverside County, Whitewater River Region Stormwater Quality Best Management Practice Design Handbook".

(3) Performance dependent upon design which includes implementation of thick vegetative cover. Local water conservation and/or landscaping requirements should be considered; approval is based on the discretion of the local land use authority.

(4) Includes proprietary stormwater treatment devices as listed in the CASQA Stormwater Best Management Practices Handbooks, other stormwater treatment BMPs not specifically listed in this WQMP (including proprietary filters, hydrodynamic separators, inserts, etc.), or newly developed/emerging stormwater treatment technologies.

(5) Expected performance should be based on evaluation of unit processes provided by BMP and available testing data. Approval is based on the discretion of the local land use authority.

(6) When used for primary treatment as opposed to pre-treatment, requires site-specific approval by the local land use authority.

## V.1.A SITE DESIGN BMP CONCEPTS AND LID/SITE DESIGN BMPS

This section is not applicable due to conformance with local retention ordinance per Section 3.5.1.2 of the Whitewater River Region WQMP Guidance Document.

This section documents the Site Design BMP concepts and LID/Site Design BMPs that will be implemented on this project to comply with the requirements detailed in Section 3.5.1 of the WQMP Guidance document.

- Table 3 herein documents the implementation of the Site Design BMP Concepts described in sub-sections 3.5.1.3 and 3.5.1.4.
- Table 4 herein documents the extent to which this project has implemented the LID/Site Design goals described in sub-section 3.5.1.1.

## Table 3. Implementation of Site Design BMP Concepts

This section is not applicable due to conformance with the local retention ordinance.

| Design Concept | Technique | Specific BMP | Included | | | Brief Reason for BMPs Indicated as No or N/A |
|---|---|---|---|---|---|---|
| | | | Yes | No | N/A | |
| *Site Design BMP Concept 1* | **Minimize Urban Runoff, Minimize Impervious Footprint, and Conserve Natural Areas (See WQMP Section 3.5.1.3)** | Conserve natural areas by concentrating or clustering development on the least environmentally sensitive portions of a site while leaving the remaining land in a natural, undisturbed condition. | ☐ | ☐ | ☐ | |
| | | Conserve natural areas by incorporating the goals of the Multi-Species Habitat Conservation Plan or other natural resource plans. | ☐ | ☐ | ☐ | |
| | | Preserve natural drainage features and natural depressional storage areas on the site. | ☐ | ☐ | ☐ | |
| | | Maximize canopy interception and water conservation by preserving existing native trees and shrubs, and planting additional native or drought tolerant trees and large shrubs. | ☐ | ☐ | ☐ | |
| | | Use natural drainage systems. | ☐ | ☐ | ☐ | |
| | | Where applicable, incorporate Self-Treating Areas | ☐ | ☐ | ☐ | |
| | | Where applicable, incorporate Self-Retaining Areas | ☐ | ☐ | ☐ | |
| | | Increase the building floor to area ratio (i.e., number of stories above or below ground). | ☐ | ☐ | ☐ | |
| | | Construct streets, sidewalks and parking lot aisles to minimum widths necessary, provided that public safety and a walkable environment for pedestrians are not compromised. | ☐ | ☐ | ☐ | |
| | | Reduce widths of streets where off-street parking is available. | ☐ | ☐ | ☐ | |
| | | Minimize the use of impervious surfaces, such as decorative concrete, in the landscape design. | ☐ | ☐ | ☐ | |
| | | Other comparable and equally effective Site Design BMP concept(s) as approved by the local land use authority (Note: Additional narrative required to describe BMP and how it addresses site design concept). | ☐ | ☐ | ☐ | |

**Table 3. Site Design BMP Concepts (continued)**

This section is not applicable due to conformance with the local retention ordinance.

| Design Concept | Technique | Specific BMP | Included: Yes | Included: No | Included: N/A | Brief Reason for Each BMP Indicated as No or N/A |
|---|---|---|---|---|---|---|
| *Site Design BMP Concept 2* | **Minimize Directly Connected Impervious Area (See WQMP Section 3.5.1.4)** | Design residential and commercial sites to contain and infiltrate roof runoff, or direct roof runoff to landscaped swales or buffer areas. | ☐ | ☐ | ☐ | |
| | | Drain impervious sidewalks, walkways, trails, and patios into adjacent landscaping. | ☐ | ☐ | ☐ | |
| | | Incorporate landscaped buffer areas between sidewalks and streets. | ☐ | ☐ | ☐ | |
| | | Use natural or landscaped drainage swales in lieu of underground piping or imperviously lined swales. | ☐ | ☐ | ☐ | |
| | | Where soil conditions are suitable, use perforated pipe or gravel filtration pits for low flow infiltration. | ☐ | ☐ | ☐ | |
| | | Maximize the permeable area by constructing walkways, trails, patios, overflow parking, alleys, driveways, low-traffic streets, and other low-traffic areas with open-jointed paving materials or permeable surfaces such as pervious concrete, porous asphalt, unit pavers, and granular materials. | ☐ | ☐ | ☐ | |
| | | **Use one or more of the following:** | | | | |
| | | Rural swale system: street sheet flows to landscaped swale or gravel shoulder, curbs used at street corners, and culverts used under driveways and street crossings. | ☐ | ☐ | ☐ | |
| | | Urban curb/swale system: street slopes to curb; periodic swale inlets drain to landscaped swale or biofilter. | ☐ | ☐ | ☐ | |
| | | Dual drainage system: first flush captured in street catch basins and discharged to adjacent vegetated swale or gravel shoulder; high flows connect directly to MS4s. | ☐ | ☐ | ☐ | |
| | | Other comparable and equally effective Site Design BMP concept(s) as approved by the local land use authority (Note: Additional narrative required to describe BMP and how it addresses site design concept). | ☐ | ☐ | ☐ | |
| | | **Use one or more of the following for design of driveways and private residential parking areas:** | | | | |
| | | Design driveways with shared access, flared (single lane at street), or wheel strips (paving only under the tires). | ☐ | ☐ | ☐ | |
| | | Uncovered temporary or guest parking on residential lots paved with a permeable surface, or designed to drain into landscaping. | ☐ | ☐ | ☐ | |

**Table 3. Site Design BMP Concepts (continued)**

This section is not applicable due to conformance with the local retention ordinance.

| Design Concept | Technique | Specific BMP | Included: Yes | Included: No | Included: N/A | Brief Reason for Each BMP Indicated as No or N/A |
|---|---|---|---|---|---|---|
| *Site Design BMP Concept 2 (cont'd)* | **Minimize Directly Connected Impervious Area**<br><br>**(See WQMP Section 3.5.1.4)** | Other comparable and equally effective Site Design BMP concept(s) as approved by the local land use authority (Note: Additional narrative required to describe BMP and how it addresses site design concept). | ☐ | ☐ | ☐ | |
| | | **Use one or more of the following for design of parking areas:** | | | | |
| | | Where landscaping is proposed in parking areas, incorporate parking area landscaping into the drainage design. | ☐ | ☐ | ☐ | |
| | | Overflow parking (parking stalls provided in excess of the Permittee's minimum parking requirements) may be constructed with permeable pavement. | ☐ | ☐ | ☐ | |
| | | Other comparable and equally effective Site Design BMP (or BMPs) as approved by the local land use authority (Note: Additional narrative required describing BMP and how it addresses site design concept). | ☐ | ☐ | ☐ | |

**Project Site Design BMP Concepts:**

This section is not applicable due to conformance with local retention ordinance per Section 3.5.1.2 of the Whitewater River Region WQMP Guidance Document.

**Alternative Project Site Design BMP Concepts:**

N/A

## Table 4. LID/Site Design BMPs Meeting the LID/Site Design Measurable Goal

This section is not applicable due to conformance with the local retention ordinance.

| (1) DRAINAGE SUB-AREA ID OR NO. | (2) LID/SITE DESIGN BMP TYPE* (See Table 2) | (3) POTENTIAL POLLUTANTS OF CONCERN WITHIN DRAINAGE SUB-AREA (Refer to Table 1) | (4) POTENTIAL POLLUTANTS WITHIN SUB-AREA CAUSING RECEIVING WATER IMPAIRMENTS (Refer to Table 1) | (5) EFFECTIVENESS OF LID/SITE DESIGN BMP AT ADDRESSING IDENTIFIED POTENTIAL POLLUTANTS (U, L, M, H/M, H; see Table 2) | (6) BMP MEETS WHICH DESIGN CRITERIA? (Identify as $V_{BMP}$ OR $Q_{BMP}$) | (7) TOTAL AREA WITHIN DRAINAGE SUB-AREA (Nearest 0.1 acre) |
|---|---|---|---|---|---|---|
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| TOTAL PROJECT AREA TREATED WITH LID/SITE DESIGN BMPs (NEAREST 0.1 ACRE) | | | | | | |

*** LID/Site Design BMPs listed in this table are those that completely address the 'Treatment Control BMP requirement' for their drainage sub-area.**

**Justification of infeasibility for sub-areas not addressed with LID/Site Design BMPs**

This section is not applicable due to conformance with the local retention ordinance.

## V.1.B TREATMENT CONTROL BMPS

Conventional Treatment Control BMPs shall be implemented to address the project's Pollutants of Concern as required in WQMP Section 3.5.1 where, and to the extent that, Section V.1.A has demonstrated that it is infeasible to meet these requirements through implementation of LID/Site Design BMPs.

☒ The LID/Site Design BMPs described in Section V.1.A of this project-specific WQMP completely address the 'Treatment Control BMP requirement' for the entire project site (and where applicable, entire existing site) as required in Section 3.5.1.1 of the WQMP Guidance document. Supporting documentation for the sizing of these LID/Site Design BMPs is included in Appendix F. ***Section V.1.B does not need to be completed**.

☐ The LID/Site Design BMPs described in Section V.1.A of this project-specific WQMP do **NOT** completely address the 'Treatment Control BMP requirement' for the entire project site (or where applicable, entire existing site) as required in Section 3.5.1.1 of the WQMP. ***Section V.1.B must be completed.**

The Treatment Control BMPs identified in this section are selected, sized and implemented to treat the design criteria of $V_{BMP}$ and/or $Q_{BMP}$ for all project (and if required, existing site) drainage sub-areas which were not fully addressed using LID/Site Design BMPs. Supporting documentation for the sizing of these Treatment Control BMPs is included in Appendix F.

## Table 5: Treatment Control BMP Summary

This section is not applicable due to conformance with local retention ordinance per Section 3.5.1.2 of the Whitewater River Region WQMP Guidance Document.

| (1) DRAINAGE SUB-AREA ID OR NO. | (2) TREATMENT CONTROL BMP TYPE* (See Table 2) | (3) POTENTIAL POLLUTANTS OF CONCERN WITHIN DRAINAGE SUB-AREA (Refer to Table 1) | (4) POTENTIAL POLLUTANTS WITHIN SUB-AREA CAUSING RECEIVING WATER IMPAIRMENTS (Refer to Table 1) | (5) EFFECTIVENESS OF TREATMENT CONTROL BMP AT ADDRESSING IDENTIFIED POTENTIAL POLLUTANTS (U, L, M, H/M, H; see Table 2) | (6) BMP MEETS WHICH DESIGN CRITERIA? (Identify as $V_{BMP}$ OR $Q_{BMP}$) | (7) TOTAL AREA WITHIN DRAINAGE SUB-AREA (Nearest 0.1 acre) |
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| | TOTAL PROJECT AREA TREATED WITH TREATMENT CONTROL BMPs (NEAREST 0.1 ACRE) | | | | | |

## V.1.C MEASURABLE GOAL SUMMARY

This section documents the extent to which this project has met the measurable goal described in WQMP Section 3.5.1.1 of addressing 100% of the project's 'Treatment Control BMP requirement' with LID/Site Design BMPs. Projects required to retain Urban Runoff onsite in conformance with local ordinance are considered to have met the measurable goal; for these instances, '100%' is entered into Column 3 of the Table.

### Table 6: Measurable Goal Summary

| (1) Total Area Treated with LID/Site Design BMPs (Last row of Table 4) | (2) Total Area Treated with Treatment Control BMPs (Last row of Table 5) | (3) % of Treatment Control BMP Requirement addressed with LID/Site Design BMPs |
|---|---|---|
| | | 100% |

## V.2 SOURCE CONTROL BMPS

This section identifies and describes the Source Control BMPs applicable and implemented on this project.

### Table 7. Source Control BMPs

| BMP Name | Check One | | If not applicable, state brief reason |
|---|---|---|---|
| | Included | Not Applicable | |
| **Non-Structural Source Control BMPs** | | | |
| Education for Property Owners, Operators, Tenants, Occupants, or Employees | ☒ | ☐ | |
| Activity Restrictions | ☒ | ☐ | |
| Irrigation System and Landscape Maintenance | ☒ | ☐ | |
| Common Area Litter Control | ☒ | ☐ | |
| Street Sweeping Private Streets and Parking Lots | ☒ | ☐ | |
| Drainage Facility Inspection and Maintenance | ☒ | ☐ | |
| **Structural Source Control BMPs** | | | |
| Storm Drain Inlet Stenciling and Signage | ☒ | ☐ | |
| Landscape and Irrigation System Design | ☒ | ☐ | |
| Protect Slopes and Channels | ☒ | ☐ | |
| Provide Community Car Wash Racks | ☐ | ☒ | Not a part of the project |
| **Properly Design*:** | | | |
| Fueling Areas | ☐ | ☒ | Not a part of the project |
| Air/Water Supply Area Drainage | ☐ | ☒ | Not a part of the project |
| Trash Storage Areas | ☒ | ☐ | |
| Loading Docks | ☐ | ☒ | Not a part of the project |
| Maintenance Bays | ☐ | ☒ | Not a part of the project |
| Vehicle and Equipment Wash Areas | ☐ | ☒ | Not a part of the project |
| Outdoor Material Storage Areas | ☐ | ☒ | Not a part of the project |
| Outdoor Work Areas or Processing Areas | ☐ | ☒ | Not a part of the project |
| Provide Wash Water Controls for Food Preparation Areas | ☐ | ☒ | Not a part of the project |

*Details demonstrating proper design must be included in Appendix F.

**Non-Structural Source Control BMPs:**

**Education for Property Owners and Employees:**
Practical information materials to promote the prevention of Urban Runoff pollution will be provided by the project proponent to the owner. These materials will include general housekeeping practices that contribute to the protection of urban runoff quality and the BMPs that eliminate or reduce pollution. These materials or a resource list for obtaining these materials will be made available through the local land use authority. BMP training and education programs must be provided to all employees who will be employed or contracted to perform activities that may impact Urban Runoff.

**Activity Restrictions:**
Activity Restrictions will be dictated by property owners. Examples of restricted activities include: the blowing, sweeping, or hosing of debris (leaf litter, grass clippings, litter, etc.) into streets, storm drain inlets, or other conveyances is prohibited, and dumpster lids must be closed at all times.

**Irrigation System and Landscape Maintenance:**
Maintenance of the irrigation systems and landscaping shall be consistent with the local land use authority's water conservation ordinance, which can be accessed through the local land use authority's website or obtained through the local land use authority's planning/permitting counter. Fertilizer and pesticide usage shall be consistent with the instructions contained on product labels and with regulations administered by California's Department of Pesticide Regulation. Landscape maintenance must also address the replacement of dead vegetation, repair of erosion rills, proper disposal of green waste, etc. Irrigation system maintenance must address periodic testing and observation of the irrigation system to detect overspray, broken sprinkler heads, and other system failures. Proper routine irrigation system and landscape maintenance will also serve as a vector control measure due to the minimization of nuisance water runoff and stagnation.

**Common Area Litter Control:**
Trash receptacles must be provided in common areas. Common areas and perimeter fences or walls must be patrolled to collect litter and to notice locations where excessive litter is occurring in order to implement prevention practices such as post public signage, install additional trash receptacles, or increase frequency of emptying trash receptacles.

**Street Sweeping Private Streets and Parking Lots:**
Paved area sweeping prevents sediment, litter, and other debris from being washed by runoff into the on-site storm drain system and basin. Paved area sweeping should be performed during dry weather if possible. The frequency of sweeping privately owned streets shall be no less than the frequency of street sweeping by the local land use authority on public streets. All collected debris should be transported to an appropriate disposal facility.

**Drainage Facility Inspection and Maintenance:**
Drainage facilities (catch basins, open channels, and storm drain inlets) shall, at a minimum, take place in the late summer or early fall, prior to the start of the rainy season. The drainage facilities must be cleaned if accumulated sediment/debris fills 25% or more of the sediment/debris storage

capacity. Privately owned drainage facilities shall be inspected annually, and the cleaning frequency shall be assessed by the responsible party.

**Structural Source Control BMPs**

**Storm Drain Inlet Stenciling and Signage:**
The project will incorporate measures to discourage illegal dumping in the storm drain system. Stencils and signs alert the public to the destination of pollutants discharged into Urban Runoff. Stenciling or labeling of all storm drain inlets and catch basins, constructed or modified, within the project area with prohibitive language (such as: "NO DUMPING ONLY RAIN IN THE DRAIN") and/or geographical icons shall be provided to discourage illegal dumping at public access points within the project area. Graphical icons, either illustrating anti-dumping symbols or images of Receiving Water fauna, are effective supplements to text messages. The legibility of stencils and signs must be maintained by the responsible party.

**Landscape and Irrigation System Design:**
The landscape plan prepared and implemented must be consistent with the local land use authority's water conservation ordinance, which may include the use of water sensors, programmable irrigation times (for short cycles), etc. The landscape plan shall: utilize plants with low irrigation requirements (native or drought tolerant species), group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface infiltration, use mulches (such as wood chips or shredded wood products) in planter areas without ground cover to minimize sediment in runoff, install appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant material where possible and/or as recommended by the landscape architect, maintain or create a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible, and choose plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth. Rain shutoff devices will be employed to prevent irrigation during and after precipitation events and the irrigation systems must be designed to each landscape area's specific water requirements. Flow reducers or shutoff valves triggered by a pressure drop to control water loss due to broken sprinkler heads or lines will be used. The timing and application methods of irrigation water shall be designed to minimize the runoff of excess irrigation water into the MS4. Other methods may be used in place if equally effective to reduce irrigation water runoff.

**Protect Slopes and Channels:**
The following design principles shall be considered, incorporated, and implemented where determined applicable and feasible by the local land use authority to decrease the potential for erosion of slopes and/or channels. Runoff should be conveyed safely from the tops of slopes, avoid disturbing steep or unstable slopes and natural channels and install permanent stabilization BMPs on disturbed slopes as quickly as possible. Plant slopes with native or drought tolerant vegetation and hillside areas that are disturbed shall be landscaped with deep-rooted, drought tolerant plant species selected for erosion control. Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems. Install permanent stabilization BMPs in channel crossings as quickly as possible and ensure that increases in runoff velocity and frequency caused by the project do not erode the channel. Install energy dissipaters at the outlets of new MS4s, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to Receiving Waters. Onsite conveyance channels should be lined, where

appropriate, to reduce erosion caused by increase flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are large enough to erode grass or other vegetative linings, riprap, concrete soil cement or geo-grid stabilization may be substituted or used in combination with grass or other vegetation stabilization. Other comparable and equally effective site design options may be used as approved by the local land use authority.

**Properly Design:**

**Trash Storage Areas:**
All trash container areas shall meet the following requirements: paved with an impervious surface, designed to not allow run-on from adjoining roofs or pavements and to prevent off-site transport of trash. Trash dumpsters shall be leak proof and have attached lids or covers. Connection of trash area drains to the MS4 is prohibited.

Appendix D includes copies of the educational materials (described in Section 3.5.2.1 of the WQMP Guidance document) that will be used in implementing this project-specific WQMP.

## V.3 EQUIVALENT TREATMENT CONTROL BMP ALTERNATIVES

Not applicable.

## V.4 REGIONALLY-BASED BMPS

Not applicable.

# VI. Operation and Maintenance Responsibility for BMPs

Appendix G of the Final project-specific WQMP will include copies of CC&Rs, Covenant and Agreements, BMP Maintenance Agreement and/or other mechanisms used to ensure the ongoing operation, maintenance, funding, transfer and implementation of the project-specific WQMP requirements. The following maintenance recommendations, which include the responsible parties, inspection intervals, and maintenance intervals, are not intended to be exhaustive in nature and should not serve as the sole source of on-site operating procedures. Where applicable, refer to the equipment manufacturer's recommendations, other relevant maintenance recommendations and the Declaration of Covenants, Conditions and Restrictions, Reservation of Easements that apply to this site.

The owner will be the responsible party for all operation and maintenance activities, including inspections and record keeping for a minimum of 50 years. The owner may appoint a maintenance company that will execute these responsibilities. All implementation for operation and maintenance will occur post-construction.

Irrigation System and Landscape:

| O and M Activities | Schedule and Frequency |
|---|---|
| 1. Inspect and repair broken sprinklers. | Inspect **weekly** and replace immediately |
| 2. Repair broken water lines. | Inspect **daily** and repair immediately. |
| 3. Inspect irrigated areas for signs of erosion and/ or discharge. | Inspect **weekly** repair source of erosion or discharge immediately. |

Common Area Litter Control:

| O and M Activities | Schedule and Frequency |
|---|---|
| 4. Ensure preventative signage maintains legibility and visibility. | As needed. |
| 5. Continuously look out for litter and clean up immediately. | Continuous inspection while performing duties. |
| 6. Add trash cans where littering is prominent and can be mediated. | As needed. |

Street Sweeping of Private Streets and Parking Lots:

| O and M Activities | Schedule and Frequency |
|---|---|
| 7. Inspect for tracked sediment or blow sand. Visible sediment tracking should be swept immediately. | Inspect **monthly**. Sweeping operations should occur on a basis in conformance with the local land use authority. |
| 8. Adjust brooms frequently; maximize efficiency of sweeping efforts. | As needed. |

Drainage Facilities:

| O and M Activities | Schedule and Frequency |
|---|---|
| 9. Inspect, repair, and replace any broken or buried drain grates. | Inspect **weekly** and replace immediately. |
| 10. Inspect and remove trash and debris from catch basin inlets and storm drain mains. If sediment or trash exists remove and dispose as directed hereon. | Inspect prior to the rainy season (September) and after the rainy season (April). Provide performance inspections subsequent to all rain events. |
| 11. Inspect catch basins and re-apply stenciling and/or signage when necessary. | Inspect **annually** and as needed. |

Protect Slopes and Channels*:

| O and M Activities | Schedule and Frequency |
|---|---|
| 12. Inspect slopes and channels. Remove any litter/debris within channels or swales conveying stormwater runoff. Provide stabilized slopes and outlet structures. | As needed. |

*No channels are proposed for this development.

Trash Storage Areas:

| O and M Activities | Schedule and Frequency |
|---|---|
| 1. Inspect Trash Storage Area and pick up any stray debris and trash within the storage area. | Inspect **daily**. |
| 2. Ensure that trash receptacles are emptied on a weekly basis. | Inspect **weekly**. |
| 3. Recyclables should be separated from disposable trash. | Inspect **daily**. |

Retention Basin (Infiltration BMP):

| O and M Activities | Schedule and Frequency |
|---|---|
| 13. Inspect all inlets to the retention area, make sure inlets are free of debris and sediment. Inspect inlets for sediment accumulation and clean and remove trash when encountered. | Inspect prior to the rainy season (September) and after the rainy season (April). Inspect prior and after all rain events. |
| 14. Inspect the retention basin, replace landscaping as needed within the basin, and remove silt/blowsand and debris in the basin. | Retention basins should be kept clear of trash, debris, and silt/blowsand buildup on a **monthly** basis. This should be given a high priority. |

Responsible Party: Advanced Health Care
310 W. Park Lane
Farmington, UT 84025
Telephone: TBD
Contact Person: Jeffrey L. Gallon

Note: Sediment, other pollutants, and all other waste shall be properly disposed of in a licensed landfill or by another appropriate disposal method in accordance with local, state, and federal regulations.

# VII. Funding

The Property title holder shall carry primary responsibility for the initial funding of installations, design, and implementation of site-specific BMP's. Ongoing inspections, routine maintenance, and some instances of reactionary maintenance shall be funded by the property owner, in such that they will make an agreement with contractors, tenants, or other parties in direct access and knowledge of the property to pay for any and all aspects of the necessary maintenance and inspections.

Continued funding for ongoing inspections and maintenance shall be passed to any and all future title holders and awareness must be made of this obligation in conjunction with the title. In addition, any future property owners, managers, tenants, or contractors must be made aware of the sites structural BMP's and have access to their associated educational materials that are to be kept on site, within the site's respective building as well as held by the property owner, and title company or others who may possess the title or deed to the property.

Any amended versions of the funding declaration may be submitted to all applicable parties in the future, should such an action be warranted. All changes must be submitted for review by Advanced Health Care, as per their standards and requirements for altering this document.

Appendix G of this project-specific WQMP also includes copies of Covenants and Agreements, BMP Maintenance Agreement and/or other mechanisms used to ensure the ongoing operation, maintenance, funding, transfer and implementation of the project-specific WQMP requirements.

**Property Owner:**
Advanced Health Care
310 W. Park Lane
Farmington, UT 84025
Telephone: TBD
Contact Person: Jeffrey L. Gallon

# Appendix A

Conditions of Approval

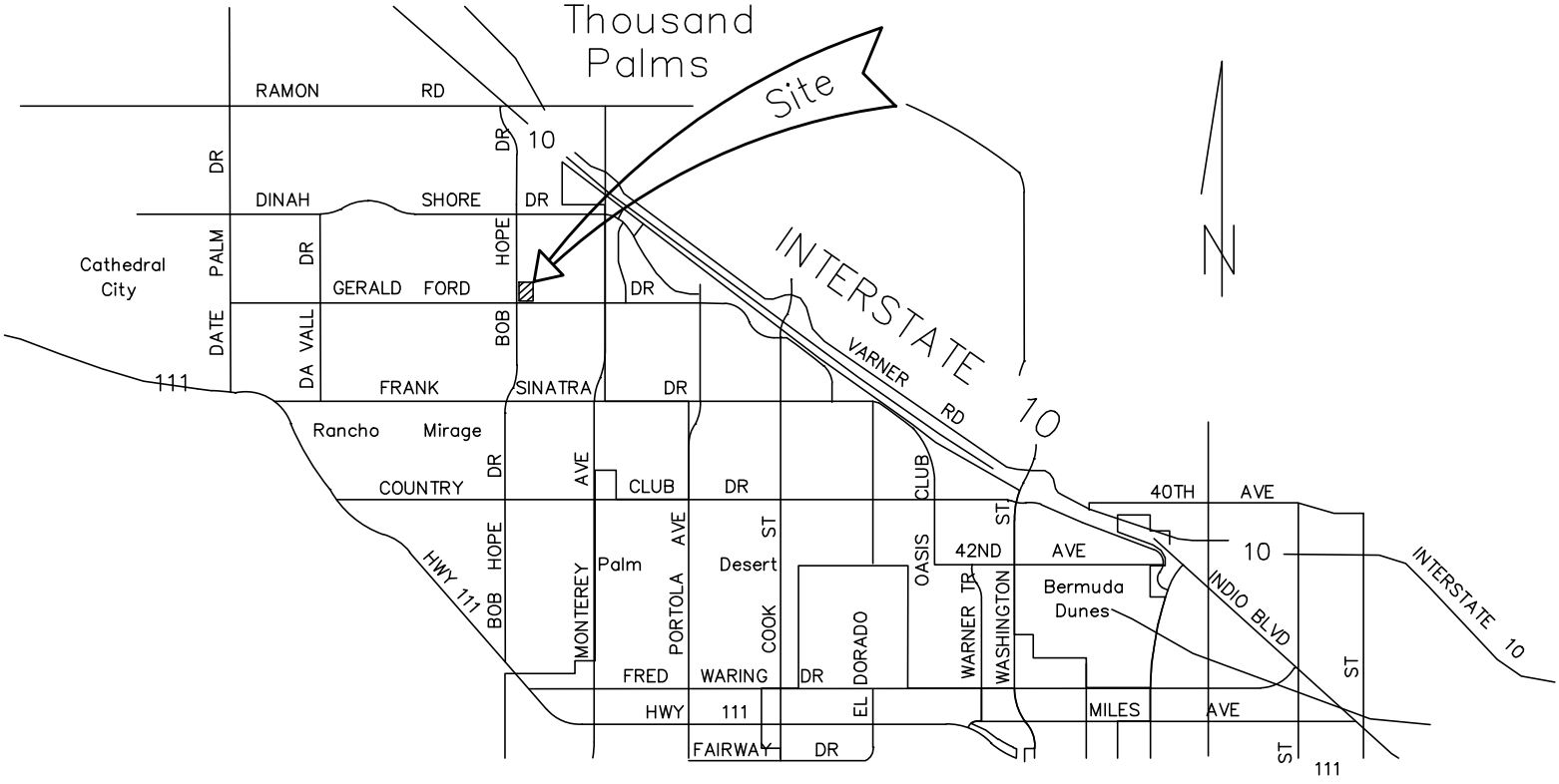
**To be provided in Final WQMP**

Planning Commission Resolution _____

Dated _____

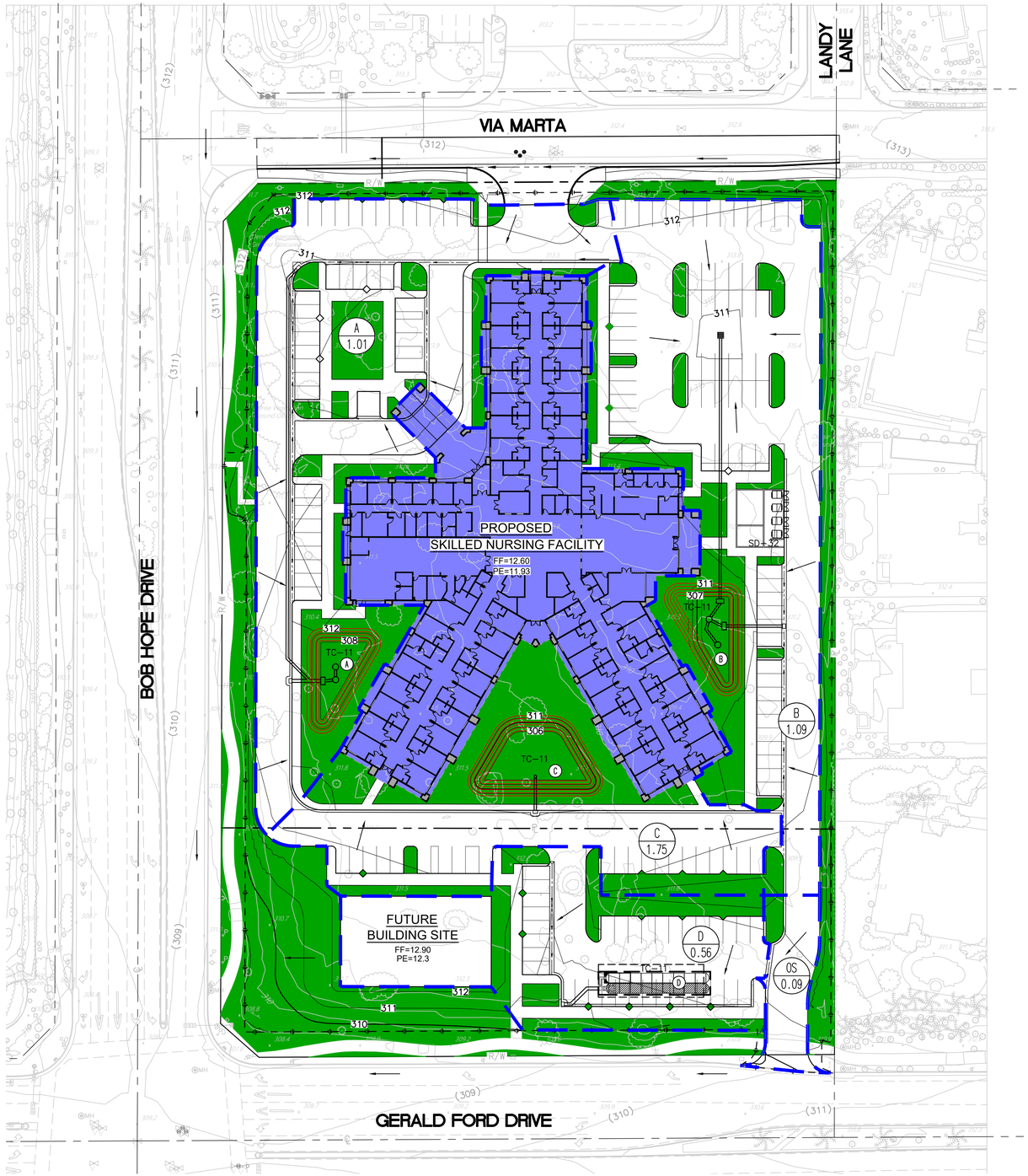
# Appendix B

Vicinity Map, WQMP Site Plan, Receiving Waters Map




# VICINITY MAP

NO SCALE




## LEGEND:

- DRAINAGE MANAGEMENT AREA
- DRAINAGE AREA IDENTIFICATION AREA IN ACRES (X / #.##)
- SURFACE FLOW
- PROPOSED STORM DRAIN
- ROOF (49,152 SF)
- CONCRETE/ASPHALT (113,407 SF)
- LANDSCAPING (72,701 SF)
- PROPOSED CATCH BASIN

NOTE: ALL PROPOSED STORM DRAINAGE FACILITIES ARE PRIVATELY OWNED AND MAINTAINED.

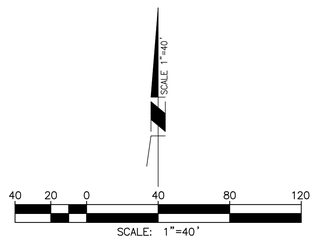
| COVER | SF | AC | PERCENT |
|---|---|---|---|
| PERVIOUS | 72,701 | 1.67 | 30.9 |
| IMPERVIOUS | 162,559 | 3.73 | 69.1 |

## *STRUCTURAL BMPS*

SD-10 SITE DESIGN AND LANDSCAPE PLANNING (TYPICAL FOR SITE)
SD-11 ROOF RUNOFF CONTROLS* (TYPICAL FOR SITE)
SD-12 EFFICIENT IRRIGATION (TYPICAL FOR LANDSCAPE AREAS)
SD-13 STORM DRAIN SYSTEM SIGNS (TYPICAL FOR CATCH BASINS)
SD-32 TRASH ENCLOSURES
*NOTE: ROOF RUNOFF WILL BE CONVEYED VIA STORM DRAIN IN FINAL

## *TREATMENT CONTROL BMPS*

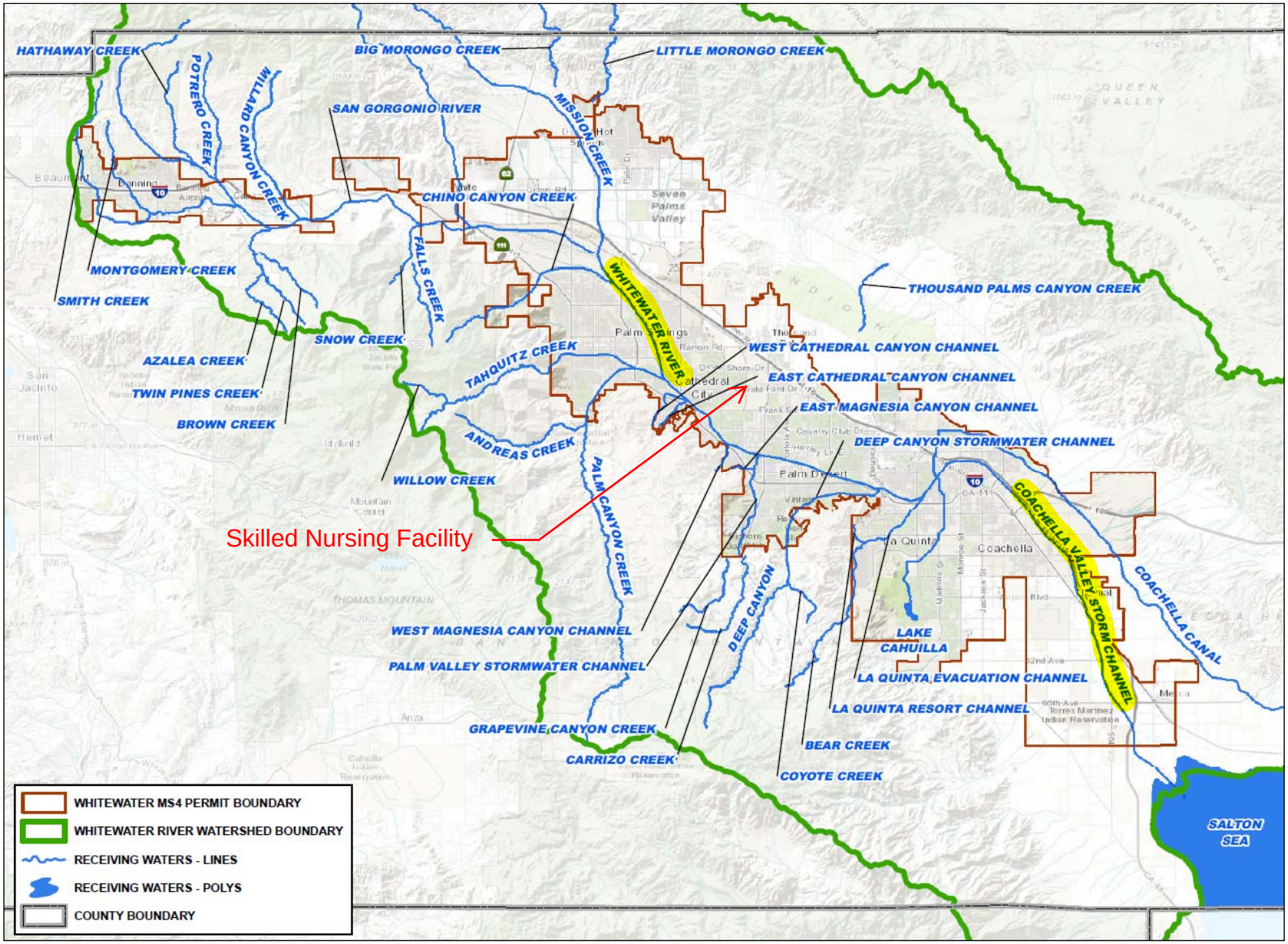
TC-11 INFILTRATION BASIN




Michael Baker INTERNATIONAL
75-410 GERALD FORD DRIVE, SUITE 100, PALM DESERT CA 92211
PHONE: (760) 346-7481 · MBAKERINTL.COM

EXHIBIT 1
WQMP SITE PLAN
SKILLED NURSING FACILITY

SHEET 1 OF 1 SHT


HATHAWAY CREEK
POTRERO CREEK
MILLARD CANYON CREEK
BIG MORONGO CREEK
LITTLE MORONGO CREEK
SAN GORGONIO RIVER
MISSION CREEK
CHINO CANYON CREEK
FALLS CREEK
MONTGOMERY CREEK
SMITH CREEK
SNOW CREEK
AZALEA CREEK
TWIN PINES CREEK
BROWN CREEK
TAHQUITZ CREEK
ANDREAS CREEK
WILLOW CREEK
WHITEWATER RIVER
THOUSAND PALMS CANYON CREEK
WEST CATHEDRAL CANYON CHANNEL
EAST CATHEDRAL CANYON CHANNEL
EAST MAGNESIA CANYON CHANNEL
DEEP CANYON STORMWATER CHANNEL
PALM CANYON CREEK
COACHELLA VALLEY STORM CHANNEL
COACHELLA CANAL
Skilled Nursing Facility
WEST MAGNESIA CANYON CHANNEL
PALM VALLEY STORMWATER CHANNEL
DEEP CANYON
LAKE CAHUILLA
LA QUINTA EVACUATION CHANNEL
LA QUINTA RESORT CHANNEL
GRAPEVINE CANYON CREEK
CARRIZO CREEK
BEAR CREEK
COYOTE CREEK
SALTON SEA
WHITEWATER MS4 PERMIT BOUNDARY
WHITEWATER RIVER WATERSHED BOUNDARY
RECEIVING WATERS - LINES
RECEIVING WATERS - POLYS
COUNTY BOUNDARY

# Appendix C

Supporting Detail Related to Hydrologic Conditions of Concern

N/A See Appendix F

# Appendix D

Educational Materials

SD-10 Site Design and Landscape Planning
SD-12 Efficient Irrigation
SD-13 Storm Drain System Signs
SD-32 Trash Enclosures

SC-10 Non-Stormwater Discharges
SC-11 Spill Prevention, Control & Cleanup
SC-41 Building & Grounds Maintenance
SC-60 Housekeeping Practices
SC-61 Safer Alternative Products
SC-70 Road and Street Maintenance
SC-71 Plaza and Sidewalk Cleaning
SC-73 Landscape Maintenance
SC-74 Drainage System Maintenance
SC-75 Waste Handling and Disposal
SC-76 Water and Sewer Utility Maintenance

TC-11 Infiltration Basin

Coachella Valley Vector Control Information

# Site Design & Landscape Planning SD-10

**Design Objectives**

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- ☑ Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

## Description

Each project site possesses unique topographic, hydrologic, and vegetative features, some of which are more suitable for development than others. Integrating and incorporating appropriate landscape planning methodologies into the project design is the most effective action that can be done to minimize surface and groundwater contamination from stormwater.

## Approach

Landscape planning should couple consideration of land suitability for urban uses with consideration of community goals and projected growth. Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

## Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

## Design Considerations

Design requirements for site design and landscapes planning should conform to applicable standards and specifications of agencies with jurisdiction and be consistent with applicable General Plan and Local Area Plan policies.

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***Designing New Installations***

Begin the development of a plan for the landscape unit with attention to the following general principles:

- Formulate the plan on the basis of clearly articulated community goals. Carefully identify conflicts and choices between retaining and protecting desired resources and community growth.
- Map and assess land suitability for urban uses. Include the following landscape features in the assessment: wooded land, open unwooded land, steep slopes, erosion-prone soils, foundation suitability, soil suitability for waste disposal, aquifers, aquifer recharge areas, wetlands, floodplains, surface waters, agricultural lands, and various categories of urban land use. When appropriate, the assessment can highlight outstanding local or regional resources that the community determines should be protected (e.g., a scenic area, recreational area, threatened species habitat, farmland, fish run). Mapping and assessment should recognize not only these resources but also additional areas needed for their sustenance.

Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

*Conserve Natural Areas during Landscape Planning*

If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

- Cluster development on least-sensitive portions of a site while leaving the remaining land in a natural undisturbed condition.
- Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.
- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.
- Promote natural vegetation by using parking lot islands and other landscaped areas.
- Preserve riparian areas and wetlands.

*Maximize Natural Water Storage and Infiltration Opportunities Within the Landscape Unit*

- Promote the conservation of forest cover. Building on land that is already deforested affects basin hydrology to a lesser extent than converting forested land. Loss of forest cover reduces interception storage, detention in the organic forest floor layer, and water losses by evapotranspiration, resulting in large peak runoff increases and either their negative effects or the expense of countering them with structural solutions.
- Maintain natural storage reservoirs and drainage corridors, including depressions, areas of permeable soils, swales, and intermittent streams. Develop and implement policies and

regulations to discourage the clearing, filling, and channelization of these features. Utilize them in drainage networks in preference to pipes, culverts, and engineered ditches.

- Evaluating infiltration opportunities by referring to the stormwater management manual for the jurisdiction and pay particular attention to the selection criteria for avoiding groundwater contamination, poor soils, and hydrogeological conditions that cause these facilities to fail. If necessary, locate developments with large amounts of impervious surfaces or a potential to produce relatively contaminated runoff away from groundwater recharge areas.

*Protection of Slopes and Channels during Landscape Design*

- Convey runoff safely from the tops of slopes.
- Avoid disturbing steep or unstable slopes.
- Avoid disturbing natural channels.
- Stabilize disturbed slopes as quickly as possible.
- Vegetate slopes with native or drought tolerant vegetation.
- Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems.
- Stabilize temporary and permanent channel crossings as quickly as possible, and ensure that increases in run-off velocity and frequency caused by the project do not erode the channel.
- Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to receiving waters.
- Line on-site conveyance channels where appropriate, to reduce erosion caused by increased flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are high enough to erode grass or other vegetative linings, riprap, concrete, soil cement, or geo-grid stabilization are other alternatives.
- Consider other design principles that are comparable and equally effective.

### *Redeveloping Existing Installations*

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define “redevelopment” in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of “ redevelopment” must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under “designing new installations” above should be followed.

Redevelopment may present significant opportunity to add features which had not previously been implemented. Examples include incorporation of depressions, areas of permeable soils, and swales in newly redeveloped areas. While some site constraints may exist due to the status of already existing infrastructure, opportunities should not be missed to maximize infiltration, slow runoff, reduce impervious areas, disconnect directly connected impervious areas.

### Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

# Roof Runoff Controls SD-11

Rain Garden

**Design Objectives**

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

## Description

Various roof runoff controls are available to address stormwater that drains off rooftops. The objective is to reduce the total volume and rate of runoff from individual lots, and retain the pollutants on site that may be picked up from roofing materials and atmospheric deposition. Roof runoff controls consist of directing the roof runoff away from paved areas and mitigating flow to the storm drain system through one of several general approaches: cisterns or rain barrels; dry wells or infiltration trenches; pop-up emitters, and foundation planting. The first three approaches require the roof runoff to be contained in a gutter and downspout system. Foundation planting provides a vegetated strip under the drip line of the roof.

## Approach

Design of individual lots for single-family homes as well as lots for higher density residential and commercial structures should consider site design provisions for containing and infiltrating roof runoff or directing roof runoff to vegetative swales or buffer areas. Retained water can be reused for watering gardens, lawns, and trees. Benefits to the environment include reduced demand for potable water used for irrigation, improved stormwater quality, increased groundwater recharge, decreased runoff volume and peak flows, and decreased flooding potential.

## Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

## Design Considerations

### *Designing New Installations*

*Cisterns or Rain Barrels*

One method of addressing roof runoff is to direct roof downspouts to cisterns or rain barrels. A cistern is an above ground storage vessel with either a manually operated valve or a permanently open outlet. Roof runoff is temporarily stored and then released for irrigation or infiltration between storms. The number of rain

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barrels needed is a function of the rooftop area. Some low impact developers recommend that every house have at least 2 rain barrels, with a minimum storage capacity of 1000 liters. Roof barrels serve several purposes including mitigating the first flush from the roof which has a high volume, amount of contaminants, and thermal load. Several types of rain barrels are commercially available. Consideration must be given to selecting rain barrels that are vector proof and childproof. In addition, some barrels are designed with a bypass valve that filters out grit and other contaminants and routes overflow to a soak-away pit or rain garden.

If the cistern has an operable valve, the valve can be closed to store stormwater for irrigation or infiltration between storms. This system requires continual monitoring by the resident or grounds crews, but provides greater flexibility in water storage and metering. If a cistern is provided with an operable valve and water is stored inside for long periods, the cistern must be covered to prevent mosquitoes from breeding.

A cistern system with a permanently open outlet can also provide for metering stormwater runoff. If the cistern outlet is significantly smaller than the size of the downspout inlet (say ¼ to ½ inch diameter), runoff will build up inside the cistern during storms, and will empty out slowly after peak intensities subside. This is a feasible way to mitigate the peak flow increases caused by rooftop impervious land coverage, especially for the frequent, small storms.

*Dry wells and Infiltration Trenches*

Roof downspouts can be directed to dry wells or infiltration trenches. A dry well is constructed by excavating a hole in the ground and filling it with an open graded aggregate, and allowing the water to fill the dry well and infiltrate after the storm event. An underground connection from the downspout conveys water into the dry well, allowing it to be stored in the voids. To minimize sedimentation from lateral soil movement, the sides and top of the stone storage matrix can be wrapped in a permeable filter fabric, though the bottom may remain open. A perforated observation pipe can be inserted vertically into the dry well to allow for inspection and maintenance.

In practice, dry wells receiving runoff from single roof downspouts have been successful over long periods because they contain very little sediment. They must be sized according to the amount of rooftop runoff received, but are typically 4 to 5 feet square, and 2 to 3 feet deep, with a minimum of 1-foot soil cover over the top (maximum depth of 10 feet).

To protect the foundation, dry wells must be set away from the building at least 10 feet. They must be installed in solids that accommodate infiltration. In poorly drained soils, dry wells have very limited feasibility.

Infiltration trenches function in a similar manner and would be particularly effective for larger roof areas. An infiltration trench is a long, narrow, rock-filled trench with no outlet that receives stormwater runoff. These are described under Treatment Controls.

*Pop-up Drainage Emitter*

Roof downspouts can be directed to an underground pipe that daylights some distance from the building foundation, releasing the roof runoff through a pop-up emitter. Similar to a pop-up irrigation head, the emitter only opens when there is flow from the roof. The emitter remains flush to the ground during dry periods, for ease of lawn or landscape maintenance.

*Foundation Planting*

Landscape planting can be provided around the base to allow increased opportunities for stormwater infiltration and protect the soil from erosion caused by concentrated sheet flow coming off the roof. Foundation plantings can reduce the physical impact of water on the soil and provide a subsurface matrix of roots that encourage infiltration. These plantings must be sturdy enough to tolerate the heavy runoff sheet flows, and periodic soil saturation.

### *Redeveloping Existing Installations*

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

## Supplemental Information

### *Examples*

- City of Ottawa's Water Links Surface –Water Quality Protection Program
- City of Toronto Downspout Disconnection Program
- City of Boston, MA, Rain Barrel Demonstration Program

## Other Resources

Hager, Marty Catherine, Stormwater, "Low-Impact Development", January/February 2003. www.stormh2o.com

Low Impact Urban Design Tools, Low Impact Development Design Center, Beltsville, MD. www.lid-stormwater.net

Start at the Source, Bay Area Stormwater Management Agencies Association, 1999 Edition

# Efficient Irrigation SD-12

**Design Objectives**

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

## Description

Irrigation water provided to landscaped areas may result in excess irrigation water being conveyed into stormwater drainage systems.

## Approach

Project plan designs for development and redevelopment should include application methods of irrigation water that minimize runoff of excess irrigation water into the stormwater conveyance system.

## Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

## Design Considerations

### *Designing New Installations*

The following methods to reduce excessive irrigation runoff should be considered, and incorporated and implemented where determined applicable and feasible by the Permittee:

- Employ rain-triggered shutoff devices to prevent irrigation after precipitation.
- Design irrigation systems to each landscape area's specific water requirements.
- Include design featuring flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines.
- Implement landscape plans consistent with County or City water conservation resolutions, which may include provision of water sensors, programmable irrigation times (for short cycles), etc.

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- Design timing and application methods of irrigation water to minimize the runoff of excess irrigation water into the storm water drainage system.
- Group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface filtration. Choose plants with low irrigation requirements (for example, native or drought tolerant species). Consider design features such as:
  - Using mulches (such as wood chips or bar) in planter areas without ground cover to minimize sediment in runoff
  - Installing appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant materials where possible and/or as recommended by the landscape architect
  - Leaving a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible
  - Choosing plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth
- Employ other comparable, equally effective methods to reduce irrigation water runoff.

### *Redeveloping Existing Installations*

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

## Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

# Storm Drain Signage SD-13


**Design Objectives**

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

## Description

Waste materials dumped into storm drain inlets can have severe impacts on receiving and ground waters. Posting notices regarding discharge prohibitions at storm drain inlets can prevent waste dumping. Storm drain signs and stencils are highly visible source controls that are typically placed directly adjacent to storm drain inlets.

## Approach

The stencil or affixed sign contains a brief statement that prohibits dumping of improper materials into the urban runoff conveyance system. Storm drain messages have become a popular method of alerting the public about the effects of and the prohibitions against waste disposal.

## Suitable Applications

Stencils and signs alert the public to the destination of pollutants discharged to the storm drain. Signs are appropriate in residential, commercial, and industrial areas, as well as any other area where contributions or dumping to storm drains is likely.

## Design Considerations

Storm drain message markers or placards are recommended at all storm drain inlets within the boundary of a development project. The marker should be placed in clear sight facing toward anyone approaching the inlet from either side. All storm drain inlet locations should be identified on the development site map.

### *Designing New Installations*

The following methods should be considered for inclusion in the project design and show on project plans:

- Provide stenciling or labeling of all storm drain inlets and catch basins, constructed or modified, within the project area with prohibitive language. Examples include “NO DUMPING

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– DRAINS TO OCEAN" and/or other graphical icons to discourage illegal dumping.

- Post signs with prohibitive language and/or graphical icons, which prohibit illegal dumping at public access points along channels and creeks within the project area.

Note - Some local agencies have approved specific signage and/or storm drain message placards for use. Consult local agency stormwater staff to determine specific requirements for placard types and methods of application.

### *Redeveloping Existing Installations*

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. If the project meets the definition of "redevelopment", then the requirements stated under " designing new installations" above should be included in all project design plans.

## Additional Information

### *Maintenance Considerations*

- Legibility of markers and signs should be maintained. If required by the agency with jurisdiction over the project, the owner/operator or homeowner's association should enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards or signs.

### *Placement*

- Signage on top of curbs tends to weather and fade.

- Signage on face of curbs tends to be worn by contact with vehicle tires and sweeper brooms.

## Supplemental Information

### *Examples*

- Most MS4 programs have storm drain signage programs. Some MS4 programs will provide stencils, or arrange for volunteers to stencil storm drains as part of their outreach program.

## Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

# Trash Storage Areas SD-32

## Description

Trash storage areas are areas where a trash receptacle (s) are located for use as a repository for solid wastes. Stormwater runoff from areas where trash is stored or disposed of can be polluted. In addition, loose trash and debris can be easily transported by water or wind into nearby storm drain inlets, channels, and/or creeks. Waste handling operations that may be sources of stormwater pollution include dumpsters, litter control, and waste piles.

## Approach

This fact sheet contains details on the specific measures required to prevent or reduce pollutants in stormwater runoff associated with trash storage and handling. Preventative measures including enclosures, containment structures, and impervious pavements to mitigate spills, should be used to reduce the likelihood of contamination.

**Design Objectives**

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

## Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

## Design Considerations

Design requirements for waste handling areas are governed by Building and Fire Codes, and by current local agency ordinances and zoning requirements. The design criteria described in this fact sheet are meant to enhance and be consistent with these code and ordinance requirements. Hazardous waste should be handled in accordance with legal requirements established in Title 22, California Code of Regulation.

Wastes from commercial and industrial sites are typically hauled by either public or commercial carriers that may have design or access requirements for waste storage areas. The design criteria in this fact sheet are recommendations and are not intended to be in conflict with requirements established by the waste hauler. The waste hauler should be contacted prior to the design of your site trash collection areas. Conflicts or issues should be discussed with the local agency.

### *Designing New Installations*

Trash storage areas should be designed to consider the following structural or treatment control BMPs:

- Design trash container areas so that drainage from adjoining roofs and pavement is diverted around the area(s) to avoid run-on. This might include berming or grading the waste handling area to prevent run-on of stormwater.
- Make sure trash container areas are screened or walled to prevent off-site transport of trash.

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- Use lined bins or dumpsters to reduce leaking of liquid waste.
- Provide roofs, awnings, or attached lids on all trash containers to minimize direct precipitation and prevent rainfall from entering containers.
- Pave trash storage areas with an impervious surface to mitigate spills.
- Do not locate storm drains in immediate vicinity of the trash storage area.
- Post signs on all dumpsters informing users that hazardous materials are not to be disposed of therein.

### *Redeveloping Existing Installations*

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

## Additional Information

### *Maintenance Considerations*

The integrity of structural elements that are subject to damage (i.e., screens, covers, and signs) must be maintained by the owner/operator. Maintenance agreements between the local agency and the owner/operator may be required. Some agencies will require maintenance deed restrictions to be recorded of the property title. If required by the local agency, maintenance agreements or deed restrictions must be executed by the owner/operator before improvement plans are approved.

## Other Resources

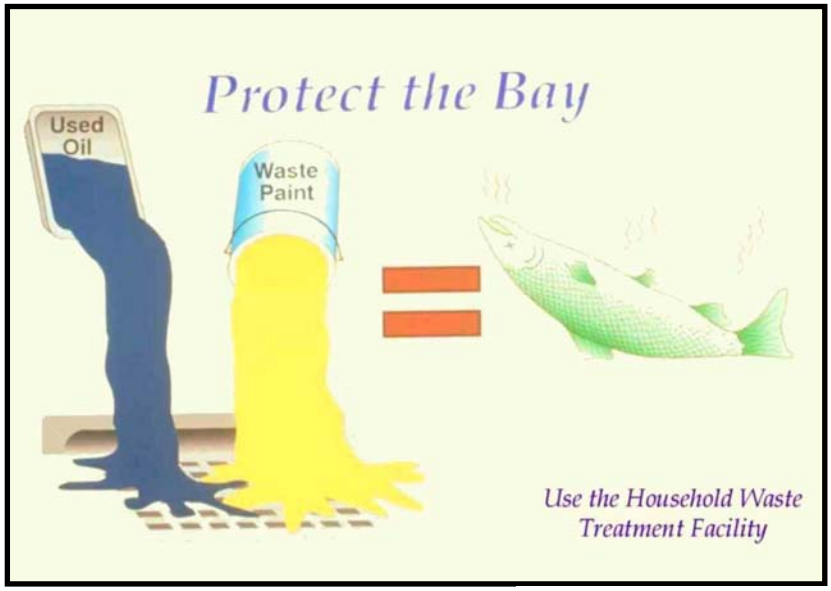
A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

# Non-Stormwater Discharges SC-10




Graphic by: Margie Winter

## Objectives

- Contain
- Educate
- Reduce/Minimize

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | ☑ |
| Metals | ☑ |
| Bacteria | ☑ |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Description

Non-stormwater discharges are those flows that do not consist entirely of stormwater. For municipalities non-stormwater discharges present themselves in two situations. One is from fixed facilities owned and/or operated by the municipality. The other situation is non-stormwater discharges that are discovered during the normal operation of a field program. Some non-stormwater discharges do not include pollutants and may be discharged to the storm drain. These include uncontaminated groundwater and natural springs. There are also some non-stormwater discharges that typically do not contain pollutants and may be discharged to the storm drain with conditions. These include car washing, and surface cleaning. However, there are certain non-stormwater discharges that pose environmental concern. These discharges may originate from illegal dumping or from internal floor drains, appliances, industrial processes, sinks, and toilets that are connected to the nearby storm drainage system. These discharges (which may include: process waste waters, cooling waters, wash waters, and sanitary wastewater) can carry substances (such as paint, oil, fuel and other automotive fluids, chemicals and other pollutants) into storm drains. The ultimate goal is to effectively eliminate non-stormwater discharges to the stormwater drainage system through implementation of measures to detect, correct, and enforce against illicit connections and illegal discharges.

## Approach

The municipality must address non-stormwater discharges from its fixed facilities by assessing the types of non-stormwater discharges and implementing BMPs for the discharges determined to pose environmental concern. For field programs

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the field staff must be trained to now what to look for regarding non-stormwater discharges and the procedures to follow in investigating the detected discharges.

***Suggested Protocols***

**Fixed Facility**

*General*

- Post "No Dumping" signs with a phone number for reporting dumping and disposal. Signs should also indicate fines and penalties for illegal dumping.
- Stencil storm drains, where applicable, to prevent illegal disposal of pollutants. Storm drain inlets should have messages such as "Dump No Waste Drains to Stream" stenciled next to them to warn against ignorant or intentional dumping of pollutants into the storm drainage system.
- Landscaping and beautification efforts of hot spots might also discourage future dumping, as well as provide open space and increase property values.
- Lighting or barriers may also be needed to discourage future dumping.

*Illicit Connections*

- Locate discharges from the fixed facility drainage system to the municipal storm drain system through review of "as-built" piping schematics.
- Use techniques such as smoke testing, dye testing and television camera inspection (as noted below) to verify physical connections.
- Isolate problem areas and plug illicit discharge points.

*Visual Inspection and Inventory*

- Inventory and inspect each discharge point during dry weather.
- Keep in mind that drainage from a storm event can continue for several days following the end of a storm and groundwater may infiltrate the underground stormwater collection system. Also, non-stormwater discharges are often intermittent and may require periodic inspections.

*Review Infield Piping*

- Review the "as-built" piping schematic as a way to determine if there are any connections to the stormwater collection system.
- Inspect the path of floor drains in older buildings.

*Smoke Testing*

- Smoke testing of wastewater and stormwater collection systems is used to detect connections between the two systems.

- During dry weather the stormwater collection system is filled with smoke and then traced to sources. The appearance of smoke at the base of a toilet indicates that there may be a connection between the sanitary and the stormwater system.

*Dye Testing*

- A dye test can be performed by simply releasing a dye into either your sanitary or process wastewater system and examining the discharge points from the stormwater collection system for discoloration.

*TV Inspection of Storm Sewer*

- TV Cameras can be employed to visually identify illicit connections to the fixed facility storm drain system.

*Illegal Dumping*

- Regularly inspect and clean up hot spots and other storm drainage areas where illegal dumping and disposal occurs.
- Clean up spills on paved surfaces with as little water as possible. Use a rag for small spills, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be sent to a certified laundry (rags) or disposed of as hazardous waste.
- Never hose down or bury dry material spills. Sweep up the material and dispose of properly.
- Use adsorbent materials on small spills rather than hosing down the spill. Remove the adsorbent materials promptly and dispose of properly.
- For larger spills, a private spill cleanup company or Hazmat team may be necessary.
- See fact sheet SC-11 Spill Prevention, Control, and Clean Up.

**Field Program**

*General*

- Develop clear protocols and lines of communication for effectively prohibiting non-stormwater discharges, especially ones that involve more than one jurisdiction and those that are not classified as hazardous, which are often not responded to as effectively as they need to be.
- Stencil storm drains, where applicable, to prevent illegal disposal of pollutants. Storm drain inlets should have messages such as “Dump No Waste Drains to Stream” stenciled next to them to warn against ignorant or intentional dumping of pollutants into the storm drainage system.
- See SC-74 Stormwater Drainage System Maintenance for additional information.

*Field Inspection*

- Regularly inspect and clean up hot spots and other storm drainage areas where illegal dumping and disposal occurs.
- During routine field program maintenance field staff should look for evidence of illegal discharges or illicit connection:
  - Is there evidence of spills such as paints, discoloring, etc.
  - Are there any odors associated with the drainage system
  - Record locations of apparent illegal discharges/illicit connections and notify appropriate investigating agency.
- If trained, conduct field investigation of non-stormwater discharges to determine whether they pose a threat to water quality.

*Recommended Complaint Investigation Equipment*

- Field Screening Analysis
  - pH paper or meter
  - Commercial stormwater pollutant screening kit that can detect for reactive phosphorus, nitrate nitrogen, ammonium nitrogen, specific conductance, and turbidity
  - Sample jars
  - Sample collection pole
  - A tool to remove access hole covers
- Laboratory Analysis
  - Sample cooler
  - Ice
  - Sample jars and labels
  - Chain of custody forms.
- Documentation
  - Camera
  - Notebook
  - Pens
  - Notice of Violation forms

- Educational materials

*Reporting*

- A database is useful for defining and tracking the magnitude and location of the problem.
- Report prohibited non-stormwater discharges observed during the course of normal daily activities so they can be investigated, contained and cleaned up or eliminated.
- Document that non-stormwater discharges have been eliminated by recording tests performed, methods used, dates of testing, and any onsite drainage points observed.
- Maintain documentation of illicit connection and illegal dumping incidents, including significant conditionally exempt discharges that are not properly managed.

*Enforcement*

- Educate the responsible party if identified on the impacts of their actions, explain the stormwater requirements, and provide information regarding Best Management Practices (BMP), as appropriate. Initiate follow-up and/or enforcement procedures.
- If an illegal discharge is traced to a commercial, residential or industrial source, conduct the following activities or coordinate the following activities with the appropriate agency:
  - Contact the responsible party to discuss methods of eliminating the non-stormwater discharge, including disposal options, recycling, and possible discharge to the sanitary sewer (if within POTW limits).
  - Provide information regarding BMPs to the responsible party, where appropriate.
  - Begin enforcement procedures, if appropriate.
  - Continue inspection and follow-up activities until the illicit discharge activity has ceased.
- If an illegal discharge is traced to a commercial or industrial activity, coordinate information on the discharge with the jurisdiction's commercial and industrial facility inspection program.

***Training***

- Train technical staff to identify and document illegal dumping incidents.
- Well-trained employees can reduce human errors that lead to accidental releases or spills. The employee should have the tools and knowledge to immediately begin cleaning up a spill if one should occur. Employees should be familiar with the Spill Prevention Control and Countermeasure Plan.
- Train employees to identify non-stormwater discharges and report them to the appropriate departments.
- Train staff who have the authority to conduct surveillance and inspections, and write citations for those caught illegally dumping.

- Train municipal staff responsible for surveillance and inspection in the following:
  - OSHA-required Health and Safety Training (29 CFR 1910.120) plus annual refresher training (as needed).
  - OSHA Confined Space Entry training (Cal-OSHA Confined Space, Title 8 and federal OSHA 29 CFR 1910.146).
  - Procedural training (field screening, sampling, smoke/dye testing, TV inspection).
- Educate the identified responsible party on the impacts of his or her actions.

### *Spill Response and Prevention*

- See SC-11 Spill Prevention Control and Clean Up

### *Other Considerations*

- The elimination of illegal dumping is dependent on the availability, convenience, and cost of alternative means of disposal. The cost of fees for dumping at a proper waste disposal facility are often more than the fine for an illegal dumping offense, thereby discouraging people from complying with the law. The absence of routine or affordable pickup service for trash and recyclables in some communities also encourages illegal dumping. A lack of understanding regarding applicable laws or the inadequacy of existing laws may also contribute to the problem.
- Municipal codes should include sections prohibiting the discharge of soil, debris, refuse, hazardous wastes, and other pollutants into the storm drain system.
- Many facilities do not have accurate, up-to-date schematic drawings.
- Can be difficult to locate illicit connections especially if there is groundwater infiltration.

## Requirements

### *Costs*

- Eliminating illicit connections can be expensive especially if structural modifications are required such re-plumbing cross connections under an existing slab.
- Minor cost to train field crews regarding the identification of non-stormwater discharges. The primary cost is for a fully integrated program to identify and eliminate illicit connections and illegal dumping. However, by combining with other municipal programs (i.e. pretreatment program) cost may be lowered.
- Municipal cost for containment and disposal may be borne by the discharger.

### *Maintenance*

Not applicable

## Supplemental Information

### *Further Detail of the BMP*

*What constitutes a "non-stormwater" discharge?*

- Non-stormwater discharges are discharges not made up entirely of stormwater and include water used directly in the manufacturing process (process wastewater), air conditioning condensate and coolant, non-contact cooling water, cooling equipment condensate, outdoor secondary containment water, vehicle and equipment wash water, landscape irrigation, sink and drinking fountain wastewater, sanitary wastes, or other wastewaters.

*Permit Requirements*

- Current municipal NPDES permits require municipalities to effectively prohibit non-stormwater discharges unless authorized by a separate NPDES permit or allowed in accordance with the current NPDES permit conditions. Typically the current permits allow certain non-stormwater discharges in the storm drain system as long as the discharges are not significant sources of pollutants. In this context the following non-stormwater discharges are typically allowed:
  - Diverted stream flows;
  - Rising found waters;
  - Uncontaminated ground water infiltration (as defined at 40 CFR 35.2005(20));
  - Uncontaminated pumped ground water;
  - Foundation drains;
  - Springs;
  - Water from crawl space pumps;
  - Footing drains;
  - Air conditioning condensation;
  - Flows from riparian habitats and wetlands;
  - Water line and hydrant flushing ;
  - Landscape irrigation;
  - Planned and unplanned discharges from potable water sources;
  - Irrigation water;
  - Individual residential car washing; and
  - Lawn watering.

Municipal facilities subject to industrial general permit requirements must include a certification that the stormwater collection system has been tested or evaluated for the presence of non-stormwater discharges. The state's General Industrial Stormwater Permit requires that non-stormwater discharges be eliminated prior to implementation of the facility's SWPPP.

*Illegal Dumping*

- Establish a system for tracking incidents. The system should be designed to identify the following:
  - Illegal dumping hot spots
  - Types and quantities (in some cases) of wastes
  - Patterns in time of occurrence (time of day/night, month, or year)
  - Mode of dumping (abandoned containers, "midnight dumping" from moving vehicles, direct dumping of materials, accidents/spills)
  - Responsible parties

*Outreach*

One of the keys to success of reducing or eliminating illegal dumping is increasing the number of people on the street who are aware of the problem and who have the tools to at least identify the incident, if not correct it. There we a number of ways of accomplishing this:

- Train municipal staff from all departments (public works, utilities, street cleaning, parks and recreation, industrial waste inspection, hazardous waste inspection, sewer maintenance) to recognize and report the incidents.
- Deputize municipal staff who may come into contact with illegal dumping with the authority to write illegal dumping tickets for offenders caught in the act (see below).
- Educate the public. As many as 3 out of 4 people do not understand that in most communities the storm drain does not go to the wastewater treatment plant. Unfortunately, with the heavy emphasis in recent years on public education about solid waste management, including recycling and household hazardous waste, the sewer system (both storm and sanitary) has been the likely recipient of cross-media transfers of waste.
- Provide the public with a mechanism for reporting incidents such as a hot line and/or door hanger (see below).
- Help areas where incidents occur more frequently set up environmental watch programs (like crime watch programs).
- Train volunteers to notice and report the presence and suspected source of an observed pollutant to the appropriate public agency.

*What constitutes a "non-stormwater" discharge?*

- Non-stormwater discharges are discharges not made up entirely of stormwater and include water used directly in the manufacturing process (process wastewater), air conditioning condensate and coolant, non-contact cooling water, cooling equipment condensate, outdoor secondary containment water, vehicle and equipment wash water, landscape irrigation, sink and drinking fountain wastewater, sanitary wastes, or other wastewaters.

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  - Foundation drains;
  - Springs;
  - Water from crawl space pumps;
  - Footing drains;
  - Air conditioning condensation;
  - Flows from riparian habitats and wetlands;
  - Water line and hydrant flushing ;
  - Landscape irrigation;
  - Planned and unplanned discharges from potable water sources;
  - Irrigation water;
  - Individual residential car washing; and
  - Lawn watering.

Municipal facilities subject to industrial general permit requirements must include a certification that the stormwater collection system has been tested or evaluated for the presence

of non-stormwater discharges. The state's General Industrial Stormwater Permit requires that non-stormwater discharges be eliminated prior to implementation of the facility's SWPPP.

*Storm Drain Stenciling*

- Stencil storm drain inlets with a message to prohibit illegal dumpings, especially in areas with waste handling facilities.
- Encourage public reporting of improper waste disposal by a HOTLINE number stenciled onto the storm drain inlet.
- See Supplemental Information section of this fact sheet for further detail on stenciling program approach.

*Oil Recycling*

- Contract collection and hauling of used oil to a private licensed used oil hauler/recycler.
- Comply with all applicable state and federal regulations regarding storage, handling, and transport of petroleum products.
- Create procedures for collection such as; collection locations and schedule, acceptable containers, and maximum amounts accepted.
- The California Integrated Waste Management Board has a Recycling Hotline, (800) 553-2962, that provides information and recycling locations for used oil.

***Household Hazardous Waste***

- Provide household hazardous waste (HHW) collection facilities. Several types of collection approaches are available including permanent, periodic, or mobile centers, curbside collection, or a combination of these systems.

***Training***

- Train municipal employees and contractors in proper and consistent methods for waste disposal.
- Train municipal employees to recognize and report illegal dumping.
- Train employees and subcontractors in proper hazardous waste management.

***Spill Response and Prevention***

- Refer to SC-11, Spill Prevention, Control & Cleanup
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

***Other Considerations***

- Federal Regulations (RCRA, SARA, CERCLA) and state regulations exist regarding the disposal of hazardous waste.
- Municipalities are required to have a used oil recycling element and a HHW element within their integrated waste management plan.
- Significant liability issues are involved with the collection, handling, and disposal of HHW.

***Examples***

The City of Palo Alto has developed a public participation program for reporting dumping violations. When a concerned citizen or public employee encounters evidence of illegal dumping, a door hanger (similar in format to hotel "Do Not Disturb" signs) is placed on the front doors in the neighborhood. The door hanger notes that a violation has occurred in the neighborhood, informs the reader why illegal dumping is a problem, and notes that illegal dumping carries a significant financial penalty. Information is also provided on what citizens can do as well as contact numbers for more information or to report a violation.

The Port of Long Beach has a state of the art database incorporating storm drain infrastructure, potential pollutant sources, facility management practices, and a pollutant tracking system.

The State Department of Fish and Game has a hotline for reporting violations called CalTIP (1-800-952-5400). The phone number may be used to report any violation of a Fish and Game code (illegal dumping, poaching, etc.).

The California Department of Toxic Substances Control's Waste Alert Hotline, 1-800-69TOXIC, can be used to report hazardous waste violations.

## References and Resources

http://www.stormwatercenter.net/

California's Nonpoint Source Program Plan http://www.co.clark.wa.us/pubworks/bmpman.pdf

King County Stormwater Pollution Control Manual - http://dnr.metrokc.gov/wlr/dss/spcm.htm

Orange County Stormwater Program,
http://www.ocwatersheds.com/stormwater/swp_introduction.asp

San Diego Stormwater Co-permittees Jurisdictional Urban Runoff Management Program
(http://www.projectcleanwater.org)

Santa Clara Valley Urban Runoff Pollution Prevention Program
http://www.scvurppp-w2k.com/pdf%20documents/PS_ICID.PDF

# Spill Prevention, Control & Cleanup SC-11

## Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

## Description

Spills and leaks, if not properly controlled, can adversely impact the storm drain system and receiving waters. Due to the type of work or the materials involved, many activities that occur either at a municipal facility or as a part of municipal field programs have the potential for accidental spills and leaks. Proper spill response planning and preparation can enable municipal employees to effectively respond to problems when they occur and minimize the discharge of pollutants to the environment.

## Targeted Constituents

| | |
|---|---|
| Sediment | |
| Nutrients | ☑ |
| Trash | |
| Metals | ☑ |
| Bacteria | |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Approach

- An effective spill response and control plan should include:
  - Spill/leak prevention measures;
  - Spill response procedures;
  - Spill cleanup procedures;
  - Reporting; and
  - Training
- A well thought out and implemented plan can prevent pollutants from entering the storm drainage system and can be used as a tool for training personnel to prevent and control future spills as well.

### *Pollution Prevention*

- Develop and implement a Spill Prevention Control and Response Plan. The plan should include:

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- A description of the facility, the address, activities and materials involved
- Identification of key spill response personnel
- Identification of the potential spill areas or operations prone to spills/leaks
- Identification of which areas should be or are bermed to contain spills/leaks
- Facility map identifying the key locations of areas, activities, materials, structural BMPs, etc.
- Material handling procedures
- Spill response procedures including:
    - Assessment of the site and potential impacts
    - Containment of the material
    - Notification of the proper personnel and evacuation procedures
    - Clean up of the site
    - Disposal of the waste material and
    - Proper record keeping

- Product substitution – use less toxic materials (i.e. use water based paints instead of oil based paints)
- Recycle, reclaim, or reuse materials whenever possible. This will reduce the amount of materials that are brought into the facility or into the field.

***Suggested Protocols***

*Spill/Leak Prevention Measures*

- If possible, move material handling indoors, under cover, or away from storm drains or sensitive water bodies.
- Properly label all containers so that the contents are easily identifiable.
- Berm storage areas so that if a spill or leak occurs, the material is contained.
- Cover outside storage areas either with a permanent structure or with a seasonal one such as a tarp so that rain can not come into contact with the materials.
- Check containers (and any containment sumps) often for leaks and spills. Replace containers that are leaking, corroded, or otherwise deteriorating with containers in good condition. Collect all spilled liquids and properly dispose of them.

- Store, contain and transfer liquid materials in such a manner that if the container is ruptured or the contents spilled, they will not discharge, flow or be washed into the storm drainage system, surface waters, or groundwater.

- Place drip pans or absorbent materials beneath all mounted taps and at all potential drip and spill locations during the filling and unloading of containers. Any collected liquids or soiled absorbent materials should be reused/recycled or properly disposed of.

- For field programs, only transport the minimum amount of material needed for the daily activities and transfer materials between containers at a municipal yard where leaks and spill are easier to control.

- If paved, sweep and clean storage areas monthly, do not use water to hose down the area unless all of the water will be collected and disposed of properly.

- Install a spill control device (such as a tee section) in any catch basins that collect runoff from any storage areas if the materials stored are oil, gas, or other materials that separate from and float on water. This will allow for easier cleanup if a spill occurs.

- If necessary, protect catch basins while conducting field activities so that if a spill occurs, the material will be contained.

***Training***

- Educate employees about spill prevention, spill response and cleanup on a routine basis.

- Well-trained employees can reduce human errors that lead to accidental releases or spills:

  - The employees should have the tools and knowledge to immediately begin cleaning up a spill if one should occur.

  - Employees should be familiar with the Spill Prevention Control and Countermeasure Plan if one is available.

- Training of staff from all municipal departments should focus on recognizing and reporting potential or current spills/leaks and who they should contact.

- Employees responsible for aboveground storage tanks and liquid transfers for large bulk containers should be thoroughly familiar with the Spill Prevention Control and Countermeasure Plan and the plan should be readily available.

***Spill Response and Prevention***

- Identify key spill response personnel and train employees on who they are.

- Store and maintain appropriate spill cleanup materials in a clearly marked location near storage areas; and train employees to ensure familiarity with the site's spill control plan and/or proper spill cleanup procedures.

- Locate spill cleanup materials, such as absorbents, where they will be readily accessible (e.g. near storage and maintenance areas, on field trucks).

# SC-11 Spill Prevention, Control & Cleanup

- Follow the Spill Prevention Control and Countermeasure Plan if one is available.
- If a spill occurs, notify the key spill response personnel immediately. If the material is unknown or hazardous, the local fire department may also need to be contacted.
- If safe to do so, attempt to contain the material and block the nearby storm drains so that the area impacted is minimized. If the material is unknown or hazardous wait for properly trained personnel to contain the materials.
- Perform an assessment of the area where the spill occurred and the downstream area that it could impact. Relay this information to the key spill response and clean up personnel.

*Spill Cleanup Procedures*

- Small non-hazardous spills
  - Use a rag, damp cloth or absorbent materials for general clean up of liquids
  - Use brooms or shovels for the general clean up of dry materials
  - If water is used, it must be collected and properly disposed of. The wash water can not be allowed to enter the storm drain.
  - Dispose of any waste materials properly
  - Clean or dispose of any equipment used to clean up the spill properly
- Large non-hazardous spills
  - Use absorbent materials for general clean up of liquids
  - Use brooms, shovels or street sweepers for the general clean up of dry materials
  - If water is used, it must be collected and properly disposed of. The wash water can not be allowed to enter the storm drain.
  - Dispose of any waste materials properly
  - Clean or dispose of any equipment used to clean up the spill properly
- For hazardous or very large spills, a private cleanup company or Hazmat team may need to be contacted to assess the situation and conduct the cleanup and disposal of the materials.
- Chemical cleanups of material can be achieved with the use of absorbents, gels, and foams. Remove the adsorbent materials promptly and dispose of according to regulations.
- If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be sent to a certified laundry (rags) or disposed of as hazardous waste.

*Reporting*

- Report any spills immediately to the identified key municipal spill response personnel.

- Report spills in accordance with applicable reporting laws. Spills that pose an immediate threat to human health or the environment must be reported immediately to the Office of Emergency Service (OES)

- Spills that pose an immediate threat to human health or the environment may also need to be reported within 24 hours to the Regional Water Quality Control Board.

- Federal regulations require that any oil spill into a water body or onto an adjoining shoreline be reported to the National Response Center (NRC) at 800-424-8802 (24 hour)

- After the spill has been contained and cleaned up, a detailed report about the incident should be generated and kept on file (see the section on Reporting below). The incident may also be used in briefing staff about proper procedures

***Other Considerations***

- State regulations exist for facilities with a storage capacity of 10,000 gallons or more of petroleum to prepare a Spill Prevention Control and Countermeasure Plan (SPCC) Plan (Health & Safety Code Chapter 6.67).

- State regulations also exist for storage of hazardous materials (Health & Safety Code Chapter 6.95), including the preparation of area and business plans for emergency response to the releases or threatened releases.

- Consider requiring smaller secondary containment areas (less than 200 sq. ft.) to be connected to the sanitary sewer, if permitted to do so, prohibiting any hard connections to the storm drain.

## Requirements

***Costs***

- Will vary depending on the size of the facility and the necessary controls.

- Prevention of leaks and spills is inexpensive. Treatment and/or disposal of wastes, contaminated soil and water is very expensive

***Maintenance***

- This BMP has no major administrative or staffing requirements. However, extra time is needed to properly handle and dispose of spills, which results in increased labor costs

## Supplemental Information

***Further Detail of the BMP***

*Reporting*

Record keeping and internal reporting represent good operating practices because they can increase the efficiency of the response and containment of a spill. A good record keeping system helps the municipality minimize incident recurrence, correctly respond with appropriate containment and cleanup activities, and comply with legal requirements.

A record keeping and reporting system should be set up for documenting spills, leaks, and other discharges, including discharges of hazardous substances in reportable quantities. Incident records describe the quality and quantity of non-stormwater discharges to the storm drain.

These records should contain the following information:

- Date and time of the incident
- Weather conditions
- Duration of the spill/leak/discharge
- Cause of the spill/leak/discharge
- Response procedures implemented
- Persons notified
- Environmental problems associated with the spill/leak/discharge

Separate record keeping systems should be established to document housekeeping and preventive maintenance inspections, and training activities. All housekeeping and preventive maintenance inspections should be documented. Inspection documentation should contain the following information:

- The date and time the inspection was performed
- Name of the inspector
- Items inspected
- Problems noted
- Corrective action required
- Date corrective action was taken

Other means to document and record inspection results are field notes, timed and dated photographs, videotapes, and drawings and maps.

***Examples***

The City of Palo Alto includes spill prevention and control as a major element of its highly effective program for municipal vehicle maintenance shops.

## References and Resources

King County Stormwater Pollution Control Manual - http://dnr.metrokc.gov/wlr/dss/spcm.htm

Orange County Stormwater Program
http://www.ocwatersheds.com/stormwater/swp_introduction.asp

San Diego Stormwater Co-permittees Jurisdictional Urban Runoff Management Program (URMP)
http://www.projectcleanwater.org/pdf/Model%20Program%20Municipal%20Facilities.pdf

# Outdoor Loading/Unloading SC-30

## Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

## Description

The loading/unloading of materials usually takes place outside on docks or terminals; therefore, materials spilled, leaked, or lost during loading/unloading may collect in the soil or on other surfaces and have the potential to be carried away by stormwater runoff or when the area is cleaned. Additionally, rainfall may wash pollutants from machinery used to unload or move materials. Loading and unloading of material may include package products, barrels, and bulk products. Implementation of the following protocols will prevent or reduce the discharge of pollutants to stormwater from outdoor loading/unloading of materials.

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | |
| Metals | ☑ |
| Bacteria | |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Approach

### *Pollution Prevention*

- Keep accurate maintenance logs to evaluate materials removed and improvements made.
- Park tank trucks or delivery vehicles in designated areas so that spills or leaks can be contained.
- Limit exposure of materials with the potential to contaminate stormwater.
- Prevent stormwater runon.
- Regularly check equipment for leaks.

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### *Suggested Protocols*

*Loading and Unloading – General Guidelines*

- Develop an operations plan that describes procedures for loading and/or unloading.
- Do not conduct loading and unloading during wet weather, whenever possible.
- Cover designated loading/unloading areas to reduce exposure of materials to rain.
- A seal or door skirt between delivery vehicles and building can reduce or prevent exposure to rain.
- Design loading/unloading area to prevent stormwater runon which would include grading or berming the area, and positioning roof downspouts so they direct stormwater away from the loading/unloading areas.
- If feasible, load and unload all materials and equipment in covered areas such as building overhangs at loading docks.
- Load/unload only at designated loading areas.
- Use drip pans underneath hose and pipe connections and other leak-prone spots during liquid transfer operations, and when making and breaking connections. Several drip pans should be stored in a covered location near the liquid transfer area so that they are always available, yet protected from precipitation when not in use. Drip pans can be made specifically for railroad tracks. Drip pans must be cleaned periodically, and drip collected materials must be disposed of properly.
- Pave loading areas with concrete instead of asphalt.
- Avoid placing storm drains in the area.
- Grade and/or berm he loading/ unloading area to a drain that is connected to a dead-end sump.

*Inspection*

- Check loading and unloading equipment regularly for leaks, including valves, pumps, flanges and connections.
- Look for dust or fumes during loading or unloading operations.

### *Training*

- Train employees (e.g. fork lift operators) and contractors on proper spill containment and cleanup.
- Employees trained in spill containment and cleanup should be present during the loading/unloading.
- Train employees in proper handling techniques during liquid transfers to avoid spills.

- Make sure forklift operators are properly trained on loading and unloading procedures.

***Spill Response and Prevention***

- Refer to SC-11, Spill Prevention, Control & Cleanup
- Keep your spill prevention Control and countermeasure (SPCC) Plan up-to-date, and implement accordingly.
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

***Other Considerations***

- Space, material characteristics and/or time limitations may preclude all transfers from being performed indoors or under cover.

## Requirements

***Costs***

- Should be low except when covering a large loading/unloading area.

***Maintenance***

- Conduct regular inspections and make repairs as necessary. The frequency of repairs will depend on the age of the facility.
- Check loading and unloading equipment regularly for leaks.
- Regular broom dry-sweeping of area.
- Conduct major clean-out of loading and unloading area and sump prior to October 1 of each year.

## Supplemental Information

***Further Detail of the BMP***

*Special Circumstances for Indoor Loading/Unloading of Materials*

As appropriate loading or unloading of liquids should occur indoors so that any spills that are not completely retained can be discharged to the sanitary sewer, treatment plant, or treated in a manner consistent with local sewer authorities and permit requirements.

- For loading and unloading tank trucks to above and below ground storage tanks, the following procedures should be used:
  - The area where the transfer takes place should be paved. If the liquid is reactive with the asphalt, Portland cement should be used to pave the area.
  - Transfer area should be designed to prevent runon of stormwater from adjacent areas. Sloping the pad and using a curb, like a speed bump, around the uphill side of the transfer area should reduce run-on.

- Transfer area should be designed to prevent runoff of spilled liquids from the area. Sloping the area to a drain should prevent runoff. The drain should be connected to a dead-end sump or to the sanitary sewer (if allowed). A positive control valve should be installed on the drain.

- For transfer from rail cars to storage tanks that must occur outside, use the following procedures:

  - Drip pans should be placed at locations where spillage may occur, such as hose connections, hose reels, and filler nozzles, Use drip pans when making and breaking connections.

  - Drip pan systems should be installed between the rails to collect spillage from tank cars.

### References and Resources

http://www.stormwatercenter.net/

King County - ftp://dnr.metrokc.gov/wlr/dss/spcm/Chapter%203.PDF

Orange County Stormwater Program
http://www.ocwatersheds.com/StormWater/swp_introduction.asp

San Diego Stormwater Co-permittees Jurisdictional Urban Runoff Management Program (URMP) -
http://www.projectcleanwater.org/pdf/Model%20Program%20Municipal%20Facilities.pdf

# Waste Handling & Disposal SC-34

## Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

## Description

Improper storage and handling of solid wastes can allow toxic compounds, oils and greases, heavy metals, nutrients, suspended solids, and other pollutants to enter stormwater runoff. The discharge of pollutants to stormwater from waste handling and disposal can be prevented and reduced by tracking waste generation, storage, and disposal; reducing waste generation and disposal through source reduction, re-use, and recycling; and preventing runon and runoff.

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | ☑ |
| Metals | ☑ |
| Bacteria | ☑ |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Approach

### *Pollution Prevention*

- Reduction in the amount of waste generated can be accomplished using the following source controls such as:
  - Production planning and sequencing
  - Process or equipment modification
  - Raw material substitution or elimination
  - Loss prevention and housekeeping
  - Waste segregation and separation
  - Close loop recycling
- Establish a material tracking system to increase awareness about material usage. This may reduce spills and minimize contamination, thus reducing the amount of waste produced.
- Recycle materials whenever possible.

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***Suggested Protocols***

*General*

- Cover storage containers with leak proof lids or some other means. If waste is not in containers, cover all waste piles (plastic tarps are acceptable coverage) and prevent stormwater runon and runoff with a berm. The waste containers or piles must be covered except when in use.
- Use drip pans or absorbent materials whenever grease containers are emptied by vacuum trucks or other means. Grease cannot be left on the ground. Collected grease must be properly disposed of as garbage.
- Check storage containers weekly for leaks and to ensure that lids are on tightly. Replace any that are leaking, corroded, or otherwise deteriorating.
- Sweep and clean the storage area regularly. If it is paved, do not hose down the area to a storm drain.
- Dispose of rinse and wash water from cleaning waste containers into a sanitary sewer if allowed by the local sewer authority. Do not discharge wash water to the street or storm drain.
- Transfer waste from damaged containers into safe containers.
- Take special care when loading or unloading wastes to minimize losses. Loading systems can be used to minimize spills and fugitive emission losses such as dust or mist. Vacuum transfer systems can minimize waste loss.

*Controlling Litter*

- Post "No Littering" signs and enforce anti-litter laws.
- Provide a sufficient number of litter receptacles for the facility.
- Clean out and cover litter receptacles frequently to prevent spillage.

*Waste Collection*

- Keep waste collection areas clean.
- Inspect solid waste containers for structural damage or leaks regularly. Repair or replace damaged containers as necessary.
- Secure solid waste containers; containers must be closed tightly when not in use.
- Place waste containers under cover if possible.
- Do not fill waste containers with washout water or any other liquid.
- Ensure that only appropriate solid wastes are added to the solid waste container. Certain wastes such as hazardous wastes, appliances, fluorescent lamps, pesticides, etc. may not be

disposed of in solid waste containers (see chemical/ hazardous waste collection section below).

- Do not mix wastes; this can cause chemical reactions, make recycling impossible, and complicate disposal.

*Good Housekeeping*

- Use all of the product before disposing of the container.
- Keep the waste management area clean at all times by sweeping and cleaning up spills immediately.
- Use dry methods when possible (e.g. sweeping, use of absorbents) when cleaning around restaurant/food handling dumpster areas. If water must be used after sweeping/using absorbents, collect water and discharge through grease interceptor to the sewer.
- Stencil storm drains on the facility's property with prohibitive message regarding waste disposal.

*Chemical/Hazardous Wastes*

- Select designated hazardous waste collection areas on-site.
- Store hazardous materials and wastes in covered containers protected from vandalism, and in compliance with fire and hazardous waste codes.
- Place hazardous waste containers in secondary containment.
- Make sure that hazardous waste is collected, removed, and disposed of only at authorized disposal areas.

*Runon/Runoff Prevention*

- Prevent stormwater runon from entering the waste management area by enclosing the area or building a berm around the area.
- Prevent the waste materials from directly contacting rain.
- Cover waste piles with temporary covering material such as reinforced tarpaulin, polyethylene, polyurethane, polypropyleneor hypalon.
- Cover the area with a permanent roof if feasible.
- Cover dumpsters to prevent rain from washing waste out of holes or cracks in the bottom of the dumpster.
- Move the activity indoor after ensuring all safety concerns such as fire hazard and ventilation are addressed.

*Inspection*

- Inspect and replace faulty pumps or hoses regularly to minimize the potential of releases and spills.
- Check waste management areas for leaking containers or spills.
- Repair leaking equipment including valves, lines, seals, or pumps promptly.

***Training***

- Train staff pollution prevention measures and proper disposal methods.
- Train employees and contractors proper spill containment and cleanup. The employee should have the tools and knowledge to immediately begin cleaning up a spill if one should occur.
- Train employees and subcontractors in proper hazardous waste management.

***Spill Response and Prevention***

- Refer to SC-11, Spill Prevention, Control & Cleanup.
- Keep your Spill Prevention Control and countermeasure (SPCC) plan up-to-date, and implement accordingly.
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.
- Vehicles transporting waste should have spill prevention equipment that can prevent spills during transport. The spill prevention equipment includes:
  - Vehicles equipped with baffles for liquid waste
  - Trucks with sealed gates and spill guards for solid waste

***Other Considerations***

- Hazardous waste cannot be re-used or recycled; it must be disposed of by a licensed hazardous waste hauler.

## Requirements

***Costs***

- Capital and operation and maintenance costs will vary substantially depending on the size of the facility and the types of waste handled. Costs should be low if there is an inventory program in place.

***Maintenance***

- None except for maintaining equipment for material tracking program.

## Supplemental Information

***Further Detail of the BMP***

*Land Treatment System*

- Minimize the runoff of polluted stormwater from land application of municipal waste on-site by:
  - Choosing a site where slopes are under 6%, the soil is permeable, there is a low water table, it is located away from wetlands or marshes, there is a closed drainage system.
  - Avoiding application of waste to the site when it is raining or when the ground is saturated with water.
  - Growing vegetation on land disposal areas to stabilize soils and reduce the volume of surface water runoff from the site.
  - Maintaining adequate barriers between the land application site and the receiving waters. Planted strips are particularly good.
  - Using erosion control techniques such as mulching and matting, filter fences, straw bales, diversion terracing, and sediment basins.
  - Performing routine maintenance to ensure the erosion control or site stabilization measures are working.

## References and Resources

King County Stormwater Pollution Control Manual - http://dnr.metrokc.gov/wlr/dss/spcm.htm

Orange County Stormwater Program
http://www.ocwatersheds.com/StormWater/swp_introduction.asp

Pollution from Surface Cleaning Folder. 1996. Bay Area Stormwater Management Agencies Associations (BASMAA). On-line: http://www.basmaa.org

# Building & Grounds Maintenance SC-41


## Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | ☑ |
| Metals | ☑ |
| Bacteria | ☑ |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Description

Stormwater runoff from building and grounds maintenance activities can be contaminated with toxic hydrocarbons in solvents, fertilizers and pesticides, suspended solids, heavy metals, and abnormal pH. Utilizing the following protocols will prevent or reduce the discharge of pollutants to stormwater from building and grounds maintenance activities by washing and cleaning up with as little water as possible, following good landscape management practices, preventing and cleaning up spills immediately, keeping debris from entering the storm drains, and maintaining the stormwater collection system.

## Approach

### *Pollution Prevention*

- Switch to non-toxic chemicals for maintenance when possible.
- Choose cleaning agents that can be recycled.
- Encourage proper lawn management and landscaping, including use of native vegetation.
- Encourage use of Integrated Pest Management techniques for pest control.
- Encourage proper onsite recycling of yard trimmings.
- Recycle residual paints, solvents, lumber, and other material as much as possible.

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***Suggested Protocols***

*Pressure Washing of Buildings, Rooftops, and Other Large Objects*

- In situations where soaps or detergents are used and the surrounding area is paved, pressure washers must use a waste water collection device that enables collection of wash water and associated solids. A sump pump, wet vacuum or similarly effective device must be used to collect the runoff and loose materials. The collected runoff and solids must be disposed of properly.

- If soaps or detergents are not used, and the surrounding area is paved, wash water runoff does not have to be collected but must be screened. Pressure washers must use filter fabric or some other type of screen on the ground and/or in he catch basin to trap the particles in wash water runoff.

- If you are pressure washing on a grassed area (with or without soap), runoff must be dispersed as sheet flow as much as possible, rather than as a concentrated stream. The wash runoff must remain on the grass and not drain to pavement. Ensure that this practice does not kill grass.

*Landscaping Activities*

- Do not apply any chemicals (insecticide, herbicide, or fertilizer) directly to surface waters, unless the application is approved and permitted by the state.

- Dispose of grass clippings, leaves, sticks, or other collected vegetation as garbage, or by composting. Do not dispose of collected vegetation into waterways or storm drainage systems.

- Use mulch or other erosion control measures on exposed soils.

- Check irrigation schedules so pesticides will not be washed away and to minimize non-stormwater discharge.

*Building Repair, Remodeling, and Construction*

- Do not dump any toxic substance or liquid waste on the pavement, the ground, or toward a storm drain.

- Use ground or drop cloths underneath outdoor painting, scraping, and sandblasting work, and properly dispose of collected material daily.

- Use a ground cloth or oversized tub for activities such as paint mixing and tool cleaning.

- Clean paint brushes and tools covered with water-based paints in sinks connected to sanitary sewers or in portable containers that can be dumped into a sanitary sewer drain. Brushes and tools covered with non-water-based paints, finishes, or other materials must be cleaned in a manner that enables collection of used solvents (e.g., paint thinner, turpentine, etc.) for recycling or proper disposal.

- Use a storm drain cover, filter fabric, or similarly effective runoff control mechanism if dust, grit, wash water, or other pollutants may escape the work area and enter a catch basin. The containment device(s) must be in place at the beginning of the work day, and accumulated dirty runoff and solids must be collected and disposed of before removing the containment device(s) at the end of the work day.

- If you need to de-water an excavation site, you may need to filter the water before discharging to a catch basin or off-site. In which case you should direct the water through hay bales and filter fabric or use other sediment filters or traps.

- Store toxic material under cover with secondary containment during precipitation events and when not in use. A cover would include tarps or other temporary cover material.

*Mowing, Trimming, and Planting*

- Dispose of leaves, sticks, or other collected vegetation as garbage, by composting or at a permitted landfill. Do not dispose of collected vegetation into waterways or storm drainage systems.

- Use mulch or other erosion control measures when soils are exposed.

- Place temporarily stockpiled material away from watercourses and drain inlets, and berm or cover stockpiles to prevent material releases to the storm drain system.

- Consider an alternative approach when bailing out muddy water; do not put it in the storm drain, pour over landscaped areas.

- Use hand or mechanical weeding where practical.

*Fertilizer and Pesticide Management*

- Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers and pesticides and training of applicators and pest control advisors.

- Follow manufacturers' recommendations and label directions. Pesticides must never be applied if precipitation is occuring or predicted. Do not apply insecticides within 100 feet of surface waters such as lakes, ponds, wetlands, and streams.

- Use less toxic pesticides that will do the job, whenever possible. Avoid use of copper-based pesticides if possible.

- Do not use pesticides if rain is expected.

- Do not mix or prepare pesticides for application near storm drains.

- Use the minimum amount needed for the job.

- Calibrate fertilizer distributors to avoid excessive application.

- Employ techniques to minimize off-target application (e.g. spray drift) of pesticides, including consideration of alternative application techniques.

- Apply pesticides only when wind speeds are low.
- Work fertilizers into the soil rather than dumping or broadcasting them onto the surface.
- Irrigate slowly to prevent runoff and then only as much as is needed.
- Clean pavement and sidewalk if fertilizer is spilled on these surfaces before applying irrigation water.
- Dispose of empty pesticide containers according to the instructions on the container label.
- Use up the pesticides. Rinse containers, and use rinse water as product. Dispose of unused pesticide as hazardous waste.
- Implement storage requirements for pesticide products with guidance from the local fire department and County Agricultural Commissioner. Provide secondary containment for pesticides.

*Inspection*

- Inspect irrigation system periodically to ensure that the right amount of water is being applied and that excessive runoff is not occurring. Minimize excess watering, and repair leaks in the irrigation system as soon as they are observed.

***Training***

- Educate and train employees on use of pesticides and in pesticide application techniques to prevent pollution.
- Train employees and contractors in proper techniques for spill containment and cleanup.
- Be sure the frequency of training takes into account the complexity of the operations and the nature of the staff.

***Spill Response and Prevention***

- Refer to SC-11, Spill Prevention, Control & Cleanup
- Keep your Spill Prevention Control and countermeasure (SPCC) plan up-to-date, and implement accordingly.
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

***Other Considerations***

- Alternative pest/weed controls may not be available, suitable, or effective in many cases.

## Requirements

### *Costs*

- Overall costs should be low in comparison to other BMPs.

### *Maintenance*

- Sweep paved areas regularly to collect loose particles, and wipe up spills with rags and other absorbent material immediately, do not hose down the area to a storm drain.

## Supplemental Information

### *Further Detail of the BMP*

*Fire Sprinkler Line Flushing*

Building fire sprinkler line flushing may be a source of non-stormwater runoff pollution. The water entering the system is usually potable water though in some areas it may be non-potable reclaimed wastewater. There are subsequent factors that may drastically reduce the quality of the water in such systems. Black iron pipe is usually used since it is cheaper than potable piping but it is subject to rusting and results in lower quality water. Initially the black iron pipe has an oil coating to protect it from rusting between manufacture and installation; this will contaminate the water from the first flush but not from subsequent flushes. Nitrates, poly-phosphates and other corrosion inhibitors, as well as fire suppressants and antifreeze may be added to the sprinkler water system. Water generally remains in the sprinkler system a long time, typically a year, between flushes and may accumulate iron, manganese, lead, copper, nickel and zinc. The water generally becomes anoxic and contains living and dead bacteria and breakdown products from chlorination. This may result in a significant BOD problem and the water often smells. Consequently dispose fire sprinkler line flush water into the sanitary sewer. Do not allow discharge to storm drain or infiltration due to potential high levels of pollutants in fire sprinkler line water.

## References and Resources

California's Nonpoint Source Program Plan http://www.swrcb.ca.gov/nps/index.html

King County - ftp://dnr.metrokc.gov/wlr/dss/spcm/Chapter%203.PDF

Orange County Stormwater Program
http://www.ocwatersheds.com/StormWater/swp_introduction.asp

Mobile Cleaners Pilot Program: Final Report. 1997. Bay Area Stormwater Management Agencies Association (BASSMA) http://www.basmaa.org/

Pollution from Surface Cleaning Folder. 1996. Bay Area Stormwater Management Agencies Association (BASMAA) http://www.basmaa.org/

San Diego Stormwater Co-permittees Jurisdictional Urban Runoff Management Program (URMP) -
http://www.projectcleanwater.org/pdf/Model%20Program%20Municipal%20Facilities.pdf

# Parking/Storage Area Maintenance SC-43

## Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | ☑ |
| Metals | ☑ |
| Bacteria | ☑ |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Description

Parking lots and storage areas can contribute a number of substances, such as trash, suspended solids, hydrocarbons, oil and grease, and heavy metals that can enter receiving waters through stormwater runoff or non-stormwater discharges. The following protocols are intended to prevent or reduce the discharge of pollutants from parking/storage areas and include using good housekeeping practices, following appropriate cleaning BMPs, and training employees.

## Approach

### *Pollution Prevention*

- Encourage alternative designs and maintenance strategies for impervious parking lots. (See New Development and Redevelopment BMP Handbook).
- Keep accurate maintenance logs to evaluate BMP implementation.

### *Suggested Protocols*

*General*

- Keep the parking and storage areas clean and orderly. Remove debris in a timely fashion.
- Allow sheet runoff to flow into biofilters (vegetated strip and swale) and/or infiltration devices.
- Utilize sand filters or oleophilic collectors for oily waste in low concentrations.

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- Arrange rooftop drains to prevent drainage directly onto paved surfaces.
- Design lot to include semi-permeable hardscape.

*Controlling Litter*

- Post "No Littering" signs and enforce anti-litter laws.
- Provide an adequate number of litter receptacles.
- Clean out and cover litter receptacles frequently to prevent spillage.
- Provide trash receptacles in parking lots to discourage litter.
- Routinely sweep, shovel and dispose of litter in the trash.

*Surface cleaning*

- Use dry cleaning methods (e.g. sweeping or vacuuming) to prevent the discharge of pollutants into the stormwater conveyance system.
- Establish frequency of public parking lot sweeping based on usage and field observations of waste accumulation.
- Sweep all parking lots at least once before the onset of the wet season.
- If water is used follow the procedures below:
  - Block the storm drain or contain runoff.
  - Wash water should be collected and pumped to the sanitary sewer or discharged to a pervious surface, do not allow wash water to enter storm drains.
  - Dispose of parking lot sweeping debris and dirt at a landfill.
- When cleaning heavy oily deposits:
  - Use absorbent materials on oily spots prior to sweeping or washing.
  - Dispose of used absorbents appropriately.

*Surface Repair*

- Pre-heat, transfer or load hot bituminous material away from storm drain inlets.
- Apply concrete, asphalt, and seal coat during dry weather to prevent contamination form contacting stormwater runoff.
- Cover and seal nearby storm drain inlets (with waterproof material or mesh) and manholes before applying seal coat, slurry seal, etc., where applicable. Leave covers in place until job is complete and until all water from emulsified oil sealants has drained or evaporated. Clean any debris from these covered manholes and drains for proper disposal.

- Use only as much water as necessary for dust control, to avoid runoff.
- Catch drips from paving equipment that is not in use with pans or absorbent material placed under the machines. Dispose of collected material and absorbents properly.

*Inspection*

- Have designated personnel conduct inspections of the parking facilities and stormwater conveyance systems associated with them on a regular basis.
- Inspect cleaning equipment/sweepers for leaks on a regular basis.

***Training***

- Provide regular training to field employees and/or contractors regarding cleaning of paved areas and proper operation of equipment.
- Train employees and contractors in proper techniques for spill containment and cleanup.

***Spill Response and Prevention***

- Refer to SC-11, Spill Prevention, Control & Cleanup.
- Keep your Spill Prevention Control and countermeasure (SPCC) plan up-to-date, nad implement accordingly.
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

***Other Considerations***

- Limitations related to sweeping activities at large parking facilities may include high equipment costs, the need for sweeper operator training, and the inability of current sweeper technology to remove oil and grease.

## Requirements

***Costs***

Cleaning/sweeping costs can be quite large, construction and maintenance of stormwater structural controls can be quite expensive as well.

***Maintenance***

- Sweep parking lot to minimize cleaning with water.
- Clean out oil/water/sand separators regularly, especially after heavy storms.
- Clean parking facilities on a regular basis to prevent accumulated wastes and pollutants from being discharged into conveyance systems during rainy conditions.

# SC-43 Parking/Storage Area Maintenance

## Supplemental Information

***Further Detail of the BMP***

*Surface Repair*

Apply concrete, asphalt, and seal coat during dry weather to prevent contamination form contacting stormwater runoff. Where applicable, cover and seal nearby storm drain inlets (with waterproof material or mesh) and manholes before applying seal coat, slurry seal, etc. Leave covers in place until job is complete and until all water from emulsified oil sealants has drained or evaporated. Clean any debris from these covered manholes and drains for proper disposal. Use only as much water as necessary for dust control, to avoid runoff.

## References and Resources


http://www.stormwatercenter.net/

California's Nonpoint Source Program Plan http://www.swrcb.ca.gov/nps/index.html

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality control Board. July 1998 (Revised February 2002 by the California Coastal Commission).

Orange County Stormwater Program
http://www.ocwatersheds.com/StormWater/swp_introduction.asp

Oregon Association of Clean Water Agencies. Oregon Municipal Stormwater Toolbox for Maintenance Practices. June 1998.

Pollution from Surface Cleaning Folder. 1996. Bay Area Stormwater Management Agencies Association (BASMAA) http://www.basma.org

San Diego Stormwater Co-permittees Jurisdictional Urban Runoff Management Program (URMP)
http://www.projectcleanwater.org/pdf/Model%20Program%20Municipal%20Facilities.pdf

# Housekeeping Practices SC-60

## Description

Promote efficient and safe housekeeping practices (storage, use, and cleanup) when handling potentially harmful materials such as fertilizers, pesticides, cleaning solutions, paint products, automotive products, and swimming pool chemicals. Related information is provided in BMP fact sheets SC-11 Spill Prevention, Control & Cleanup and SC-34 Waste Handling & Disposal.

## Approach

### *Pollution Prevention*

- Purchase only the amount of material that will be needed for foreseeable use. In most cases this will result in cost savings in both purchasing and disposal. See SC-61 Safer Alternative Products for additional information.
- Be aware of new products that may do the same job with less environmental risk and for less or the equivalent cost. Total cost must be used here; this includes purchase price, transportation costs, storage costs, use related costs, clean up costs and disposal costs.

### *Suggested Protocols*

*General*

- Keep work sites clean and orderly. Remove debris in a timely fashion. Sweep the area.
- Dispose of wash water, sweepings, and sediments, properly.
- Recycle or dispose of fluids properly.
- Establish a daily checklist of office, yard and plant areas to confirm cleanliness and adherence to proper storage and security. Specific employees should be assigned specific inspection responsibilities and given the authority to remedy any problems found.
- Post waste disposal charts in appropriate locations detailing for each waste its hazardous nature (poison, corrosive, flammable), prohibitions on its disposal (dumpster, drain, sewer) and the recommended disposal method (recycle, sewer, burn, storage, landfill).
- Summarize the chosen BMPs applicable to your operation and post them in appropriate conspicuous places.

### Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

### Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | ☑ |
| Metals | ☑ |
| Bacteria | ☑ |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

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- Require a signed checklist from every user of any hazardous material detailing amount taken, amount used, amount returned and disposal of spent material.
- Do a before audit of your site to establish baseline conditions and regular subsequent audits to note any changes and whether conditions are improving or deteriorating.
- Keep records of water, air and solid waste quantities and quality tests and their disposition.
- Maintain a mass balance of incoming, outgoing and on hand materials so you know when there are unknown losses that need to be tracked down and accounted for.
- Use and reward employee suggestions related to BMPs, hazards, pollution reduction, work place safety, cost reduction, alternative materials and procedures, recycling and disposal.
- Have, and review regularly, a contingency plan for spills, leaks, weather extremes etc. Make sure all employees know about it and what their role is so that it comes into force automatically.

***Training***

- Train all employees, management, office, yard, manufacturing, field and clerical in BMPs and pollution prevention and make them accountable.
- Train municipal employees who handle potentially harmful materials in good housekeeping practices.
- Train personnel who use pesticides in the proper use of the pesticides. The California Department of Pesticide Regulation license pesticide dealers, certify pesticide applicators and conduct onsite inspections.
- Train employees and contractors in proper techniques for spill containment and cleanup. The employee should have the tools and knowledge to immediately begin cleaning up a spill if one should occur.

***Spill Response and Prevention***

- Refer to SC-11, Spill Prevention, Control & Cleanup.
- Keep your Spill Prevention Control and Countermeasure (SPCC) plant up-to-date, and implement accordingly.
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

***Other Considerations***

- There are no major limitations to this best management practice.
- There are no regulatory requirements to this BMP. Existing regulations already require municipalities to properly store, use, and dispose of hazardous materials

## Requirements

### *Costs*

- Minimal cost associated with this BMP. Implementation of good housekeeping practices may result in cost savings as these procedures may reduce the need for more costly BMPs.

### *Maintenance*

- Ongoing maintenance required to keep a clean site. Level of effort is a function of site size and type of activities.

## Supplemental Information

### *Further Detail of the BMP*

- The California Integrated Waste Management Board's Recycling Hotline, 1-800-553-2962, provides information on household hazardous waste collection programs and facilities.

### *Examples*

There are a number of communities with effective programs. The most pro-active include Santa Clara County and the City of Palo Alto, the City and County of San Francisco, and the Municipality of Metropolitan Seattle (Metro).

## References and Resources

British Columbia Lake Stewardship Society. Best Management Practices to Protect Water Quality from Non-Point Source Pollution. March 2000.
http://www.nalms.org/bclss/bmphome.html#bmp

King County Stormwater Pollution Control Manual - http://dnr.metrokc.gov/wlr/dss/spcm.htm

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities, Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality Control Board. July, 1998, Revised by California Coastal Commission, February 2002.

Orange County Stormwater Program
http://www.ocwatersheds.com/stormwater/swp_introduction.asp

San Mateo STOPPP - (http://stoppp.tripod.com/bmp.html)

# Safer Alternative Products SC-61

## Descriptions

Promote the use of less harmful products. Alternatives exist for most product classes including chemical fertilizers, pesticides, cleaning solutions, janitorial chemicals, automotive and paint products, and consumables (batteries, fluorescent lamps).

## Approach

Develop a comprehensive program based on:

- The "Precautionary Principle," which is an alternative to the "Risk Assessment" model that says it's acceptable to use a potentially harmful product until physical evidence of its harmful effects are established and deemed too costly from an environmental or public health perspective. For instance, a risk assessment approach might say it's acceptable to use a pesticide until there is direct proof of an environmental impact. The Precautionary Principle approach is used to evaluate whether a given product is safe, whether it is really necessary, and whether alternative products would perform just as well.
- Environmentally Preferable Purchasing Program to minimize the purchase of products containing hazardous ingredients used in the facility's custodial services, fleet maintenance, and facility maintenance in favor of using alternate products that pose less risk to employees and to the environment.
- Integrated Pest Management (IPM) or Less-Toxic Pesticide Program, which uses a pest management approach that minimizes the use of toxic chemicals and gets rid of pests by methods that pose a lower risk to employees, the public, and the environment.
- Energy Efficiency Program including no-cost and low-cost energy conservation and efficiency actions that can reduce both energy consumption and electricity bills, along with long-term energy efficiency investments.

Consider the following mechanisms for developing and implementing a comprehensive program:

- Policies
- Procedures
  - Standard operating procedures (SOPs)
  - Purchasing guidelines and procedures

### Objectives

- Educate
- Reduce/Minimize
- Product Substitution

### Targeted Constituents

| | |
|---|---|
| Sediment | |
| Nutrients | ☑ |
| Trash | |
| Metals | ☑ |
| Bacteria | |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | |

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- Bid packages (services and supplies)

- Materials
  - Preferred or approved product and supplier lists
  - Product and supplier evaluation criteria
  - Training sessions and manuals
  - Fact sheets for employees

***Training***

- Employees who handle potentially harmful materials in the use of safer alternatives.
- Purchasing departments should be encouraged to procure less hazardous materials and products that contain little or no harmful substances or TMDL pollutants.

***Regulations***

This BMP has no regulatory requirements. Existing regulations already encourage facilities to reduce the use of hazardous materials through incentives such as reduced:

- Specialized equipment storage and handling requirements,
- Stormwater runoff sampling requirements,
- Training and licensing requirements, and
- Record keeping and reporting requirements.

***Equipment***

- There are no major equipment requirements to this BMP.

***Limitations***

- Alternative products may not be available, suitable, or effective in every case.

**Requirements**

***Costs***

- The primary cost is for staff time to: 1) develop new policies and procedures and 2) educate purchasing departments and employees who handle potentially harmful materials about the availability, procurement, and use of safer alternatives.
- Some alternative products may be slightly more expensive than conventional products.

**Supplemental Information**

Employees and contractors / service providers can both be educated about safer alternatives by using information developed by a number of organizations including the references and resources listed below.

The following discussion provides some general information on safer alternatives. More specific information on particular hazardous materials and the available alternatives may be found in the references and resources listed below.

- Automotive products – Less toxic alternatives are not available for many automotive products, especially engine fluids. But there are alternatives to grease lubricants, car polishes, degreasers, and windshield washer solution. Rerefined motor oil is also available.
- Vehicle/Trailer lubrication – Fifth wheel bearings on trucks require routine lubrication. Adhesive lubricants are available to replace typical chassis grease.
- Cleaners – Vegetables-based or citrus-based soaps are available to replace petroleum-based soaps/detergents.
- Paint products – Water-based paints, wood preservatives, stains, and finishes are available.
- Pesticides – Specific alternative products or methods exist to control most insects, fungi, and weeds.
- Chemical Fertilizers – Compost and soil amendments are natural alternatives.
- Consumables – Manufacturers have either reduced or are in the process of reducing the amount of heavy metals in consumables such as batteries and fluorescent lamps. All fluorescent lamps contain mercury, however low-mercury containing lamps are now available from most hardware and lighting stores. Fluorescent lamps are also more energy efficient than the average incandescent lamp.
- Janitorial chemicals – Even biodegradable soap can harm fish and wildlife before it biodegrades. Biodegradable does not mean non-toxic. Safer products and procedures are available for floor stripping and cleaning, as well as carpet, glass, metal, and restroom cleaning and disinfecting.

### *Examples*

There are a number of business and trade associations, and communities with effective programs. Some of the more prominent are listed below in the references and resources section.

## References and Resources

Note: Many of these references provide alternative products for materials that typically are used inside and disposed to the sanitary sewer as well as alternatives to products that usually end up in the storm drain.

### *General Sustainable Practices and Pollution Prevention Including Pollutant-Specific Information*

California Department of Toxic Substances Control (www.dtsc.ca.gov)

California Integrated Waste Management Board (www.ciwmb.ca.gov)

City of Santa Monica (www.santa-monica.org/environment)

City of Palo Alto (www.city.palo-alto.ca.us/cleanbay)

City and County of San Francisco, Department of the Environment (www.ci.sf.ca.us/sfenvironment)

Earth 911 (www.earth911.org/master.asp)

Environmental Finance Center Region IX (www.greenstart.org/efc9)

Flex Your Power (www.flexyourpower.ca.gov)

GreenBiz.com (www.greenbiz.com)

Green Business Program (www.abag.org/bayarea/enviro/gbus/gb.html)

Pacific Industrial and Business Association (www.piba.org)

Sacramento Clean Water Business Partners (www.sacstormwater.org)

USEPA BMP fact sheet – Alternative products (http://cfpub.epa.gov/npdes/stormwater/menuofbmps/poll_2.cfm)

USEPA Region IX Pollution Prevention Program (www.epa.gov/region09/p2)

Western Regional Pollution Prevention Network (www.westp2net.org)

***Metals (mercury, copper)***

National Electrical Manufacturers Association - Environment, Health and Safety (www.nema.org)

Sustainable Conservation (www.suscon.org)

Auto Recycling Project

Brake Pad Partnership

***Pesticides and Chemical Fertilizers***

Bio-Integral Resource Center (www.birc.org)

California Department of Pesticide Regulation (www.cdpr.ca.gov)

University of California Statewide IPM Program (www.ipm.ucdavis.edu/default.html)

***Dioxins***

Bay Area Dioxins Project (http://dioxin.abag.ca.gov/)

# Road and Street Maintenance SC-70

## Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | |
| Trash | ☑ |
| Metals | ☑ |
| Bacteria | |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Description

Streets, roads, and highways are significant sources of pollutants in stormwater discharges, and operation and maintenance (O&M) practices, if not conducted properly, can contribute to the problem. Stormwater pollution from roadway and bridge maintenance should be addressed on a site-specific basis. Use of the procedures outlined below, that address street sweeping and repair, bridge and structure maintenance, and unpaved roads will reduce pollutants in stormwater.

## Approach

### *Pollution Prevention*

- Use the least toxic materials available (e.g. water based paints, gels or sprays for graffiti removal)
- Recycle paint and other materials whenever possible.
- Enlist the help of citizens to keep yard waste, used oil, and other wastes out of the gutter.

### *Suggested Protocols*

*Street Sweeping and Cleaning*

- Maintain a consistent sweeping schedule. Provide minimum monthly sweeping of curbed streets.
- Perform street cleaning during dry weather if possible.

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- Avoid wet cleaning or flushing of street, and utilize dry methods where possible.
- Consider increasing sweeping frequency based on factors such as traffic volume, land use, field observations of sediment and trash accumulation, proximity to water courses, etc. For example:
  - Increase the sweeping frequency for streets with high pollutant loadings, especially in high traffic and industrial areas.
  - Increase the sweeping frequency just before the wet season to remove sediments accumulated during the summer.
  - Increase the sweeping frequency for streets in special problem areas such as special events, high litter or erosion zones.
- Maintain cleaning equipment in good working condition and purchase replacement equipment as needed. Old sweepers should be replaced with new technologically advanced sweepers (preferably regenerative air sweepers) that maximize pollutant removal.
- Operate sweepers at manufacturer requested optimal speed levels to increase effectiveness.
- To increase sweeping effectiveness consider the following:
  - Institute a parking policy to restrict parking in problematic areas during periods of street sweeping.
  - Post permanent street sweeping signs in problematic areas; use temporary signs if installation of permanent signs is not possible.
  - Develop and distribute flyers notifying residents of street sweeping schedules.
- Regularly inspect vehicles and equipment for leaks, and repair immediately.
- If available use vacuum or regenerative air sweepers in the high sediment and trash areas (typically industrial/commercial).
- Keep accurate logs of the number of curb-miles swept and the amount of waste collected.
- Dispose of street sweeping debris and dirt at a landfill.
- Do not store swept material along the side of the street or near a storm drain inlet.
- Keep debris storage to a minimum during the wet season or make sure debris piles are contained (e.g. by berming the area) or covered (e.g. with tarps or permanent covers).

*Street Repair and Maintenance*

*Pavement marking*

- Schedule pavement marking activities for dry weather.

- Develop paint handling procedures for proper use, storage, and disposal of paints.
- Transfer and load paint and hot thermoplastic away from storm drain inlets.
- Provide drop cloths and drip pans in paint mixing areas.
- Properly maintain application equipment.
- Street sweep thermoplastic grindings. Yellow thermoplastic grindings may require special handling as they may contain lead.
- Paints containing lead or tributyltin are considered a hazardous waste and must be disposed of properly.
- Use water based paints whenever possible. If using water based paints, clean the application equipment in a sink that is connected to the sanitary sewer.
- Properly store leftover paints if they are to be kept for the next job, or dispose of properly.

*Concrete installation and repair*

- Schedule asphalt and concrete activities for dry weather.
- Take measures to protect any nearby storm drain inlets and adjacent watercourses, prior to breaking up asphalt or concrete (e.g. place san bags around inlets or work areas).
- Limit the amount of fresh concrete or cement mortar mixed, mix only what is needed for the job.
- Store concrete materials under cover, away from drainage areas. Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfall, and runoff.
- Return leftover materials to the transit mixer. Dispose of small amounts of hardened excess concrete, grout, and mortar in the trash.
- Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stockpile, or dispose in the trash.
- When making saw cuts in pavement, use as little water as possible and perform during dry weather. Cover each storm drain inlet completely with filter fabric or plastic during the sawing operation and contain the slurry by placing straw bales, sandbags, or gravel dams around the inlets. After the liquid drains or evaporates, shovel or vacuum the slurry residue from the pavement or gutter and remove from site. Alternatively, a small onsite vacuum may be used to pick up the slurry as this will prohibit slurry from reaching storm drain inlets.
- Wash concrete trucks off site or in designated areas on site designed to preclude discharge of wash water to drainage system.

*Patching, resurfacing, and surface sealing*

- Schedule patching, resurfacing and surface sealing for dry weather.
- Stockpile materials away from streets, gutter areas, storm drain inlets or watercourses. During wet weather, cover stockpiles with plastic tarps or berm around them if necessary to prevent transport of materials in runoff.
- Pre-heat, transfer or load hot bituminous material away from drainage systems or watercourses.
- Where applicable, cover and seal nearby storm drain inlets (with waterproof material or mesh) and maintenance holes before applying seal coat, slurry seal, etc. Leave covers in place until job is complete and until all water from emulsified oil sealants has drained or evaporated. Clean any debris from covered maintenance holes and storm drain inlets when the job is complete.
- Prevent excess material from exposed aggregate concrete or similar treatments from entering streets or storm drain inlets. Designate an area for clean up and proper disposal of excess materials.
- Use only as much water as necessary for dust control, to avoid runoff.
- Sweep, never hose down streets to clean up tracked dirt. Use a street sweeper or vacuum truck. Do not dump vacuumed liquid in storm drains.
- Catch drips from paving equipment that is not in use with pans or absorbent material placed under the machines. Dispose of collected material and absorbents properly.

*Equipment cleaning maintenance and storage*

- Inspect equipment daily and repair any leaks. Place drip pans or absorbent materials under heavy equipment when not in use.
- Perform major equipment repairs at the corporation yard, when practical.
- If refueling or repairing vehicles and equipment must be done onsite, use a location away from storm drain inlets and watercourses.
- Clean equipment including sprayers, sprayer paint supply lines, patch and paving equipment, and mud jacking equipment at the end of each day. Clean in a sink or other area (e.g. vehicle wash area) that is connected to the sanitary sewer.

*Bridge and Structure Maintenance*

*Paint and Paint Removal*

- Transport paint and materials to and from job sites in containers with secure lids and tied down to the transport vehicle.
- Do not transfer or load paint near storm drain inlets or watercourses.

- Test and inspect spray equipment prior to starting to paint. Tighten all hoses and connections and do not overfill paint container.
- Plug nearby storm drain inlets prior to starting painting where there is significant risk of a spill reaching storm drains. Remove plugs when job is completed.
- If sand blasting is used to remove paint, cover nearby storm drain inlets prior to starting work.
- Perform work on a maintenance traveler or platform, or use suspended netting or tarps to capture paint, rust, paint removing agents, or other materials, to prevent discharge of materials to surface waters if the bridge crosses a watercourse. If sanding, use a sander with a vacuum filter bag.
- Capture all clean-up water, and dispose of properly.
- Recycle paint when possible (e.g. paint may be used for graffiti removal activities). Dispose of unused paint at an appropriate household hazardous waste facility.

*Graffiti Removal*

- Schedule graffiti removal activities for dry weather.
- Protect nearby storm drain inlets prior to removing graffiti from walls, signs, sidewalks, or other structures needing graffiti abatement. Clean up afterwards by sweeping or vacuuming thoroughly, and/or by using absorbent and properly disposing of the absorbent.
- When graffiti is removed by painting over, implement the procedures under Painting and Paint Removal above.
- Direct runoff from sand blasting and high pressure washing (with no cleaning agents) into a landscaped or dirt area. If such an area is not available, filter runoff through an appropriate filtering device (e.g. filter fabric) to keep sand, particles, and debris out of storm drains.
- If a graffiti abatement method generates wash water containing a cleaning compound (such as high pressure washing with a cleaning compound), plug nearby storm drains and vacuum/pump wash water to the sanitary sewer.
- Consider using a waterless and non-toxic chemical cleaning method for graffiti removal (e.g. gels or spray compounds).

*Repair Work*

- Prevent concrete, steel, wood, metal parts, tools, or other work materials from entering storm drains or watercourses.
- Thoroughly clean up the job site when the repair work is completed.
- When cleaning guardrails or fences follow the appropriate surface cleaning methods (depending on the type of surface) outlined in SC-71 Plaza & Sidewalk Cleaning fact sheet.

- If painting is conducted, follow the painting and paint removal procedures above.
- If graffiti removal is conducted, follow the graffiti removal procedures above.
- If construction takes place, see the Construction Activity BMP Handbook.
- Recycle materials whenever possible.

*Unpaved Roads and Trails*

- Stabilize exposed soil areas to prevent soil from eroding during rain events. This is particularly important on steep slopes.
- For roadside areas with exposed soils, the most cost-effective choice is to vegetate the area, preferably with a mulch or binder that will hold the soils in place while the vegetation is establishing. Native vegetation should be used if possible.
- If vegetation cannot be established immediately, apply temporary erosion control mats/blankets; a comma straw, or gravel as appropriate.
- If sediment is already eroded and mobilized in roadside areas, temporary controls should be installed. These may include: sediment control fences, fabric-covered triangular dikes, gravel-filled burlap bags, biobags, or hay bales staked in place.

*Non-Stormwater Discharges*

Field crews should be aware of non-stormwater discharges as part of their ongoing street maintenance efforts.

- Refer to SC-10 Non-Stormwater Discharges
- Identify location, time and estimated quantity of discharges.
- Notify appropriate personnel.

***Training***

- Train employees regarding proper street sweeping operation and street repair and maintenance.
- Instruct employees and subcontractors to ensure that measures to reduce the stormwater impacts of roadway/bridge maintenance are being followed.
- Require engineering staff and/or consulting A/E firms to address stormwater quality in new bridge designs or existing bridge retrofits.
- Use a training log or similar method to document training.
- Train employees on proper spill containment and clean up, and in identifying non-stormwater discharges.

***Spill Response and Prevention***

- Refer to SC-11, Spill Prevention, Control & Cleanup.
- Keep your Spill Prevention Control and countermeasure (SPCC) plan up-to-date, and implement accordingly.
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

***Other Considerations***

- Densely populated areas or heavily used streets may require parking regulations to clear streets for cleaning.
- No currently available conventional sweeper is effective at removing oil and grease. Mechanical sweepers are not effective at removing finer sediments.
- Limitations may arise in the location of new bridges. The availability and cost of land and other economic and political factors may dictate where the placement of a new bridge will occur. Better design of the bridge to control runoff is required if it is being placed near sensitive waters.

## Requirements

***Costs***

- The maintenance of local roads and bridges is already a consideration of most community public works or transportation departments. Therefore, the cost of pollutant reducing management practices will involve the training and equipment required to implement these new practices.
- The largest expenditures for street sweeping programs are in staffing and equipment. The capital cost for a conventional street sweeper is between $60,000 and $120,000. Newer technologies might have prices approaching $180,000. The average useful life of a conventional sweeper is about four years, and programs must budget for equipment replacement. Sweeping frequencies will determine equipment life, so programs that sweep more often should expect to have a higher cost of replacement.
- A street sweeping program may require the following.
  - Sweeper operators, maintenance, supervisory, and administrative personnel are required.
  - Traffic control officers may be required to enforce parking restrictions.
  - Skillful design of cleaning routes is required for program to be productive.
  - Arrangements must be made for disposal of collected wastes.

- If investing in newer technologies, training for operators must be included in operation and maintenance budgets. Costs for public education are small, and mostly deal with the need to obey parking restrictions and litter control. Parking tickets are an effective reminder to obey parking rules, as well as being a source of revenue.

***Maintenance***

- Not applicable

## Supplemental Information

***Further Detail of the BMP***

*Street sweeping*

There are advantages and disadvantages to the two common types of sweepers. The best choice depends on your specific conditions. Many communities find it useful to have a compliment of both types in their fleet.

Mechanical Broom Sweepers - More effective at picking up large debris and cleaning wet streets. Less costly to purchase and operate. Create more airborne dust.

Vacuum Sweepers - More effective at removing fine particles and associated heavy metals. Ineffective at cleaning wet streets. Noisier than mechanical broom sweepers which may restrict areas or times of operation. May require an advance vehicle to remove large debris.

Street Flushers - Not affected by biggest interference to cleaning, parked cars. May remove finer sediments, moving them toward the gutter and stormwater inlets. For this reason, flushing fell out of favor and is now used primarily after sweeping. Flushing may be effective for combined sewer systems. Presently street flushing is not allowed under most NPDES permits.

*Cross-Media Transfer of Pollutants*

The California Air Resources Board (ARB) has established state ambient air quality standards including a standard for respirable particulate matter (less than or equal to 10 microns in diameter, symbolized as PM10). In the effort to sweep up finer sediments to remove attached heavy metals, municipalities should be aware that fine dust, that cannot be captured by the sweeping equipment and becomes airborne, could lead to issues of worker and public safety.

*Bridges*

Bridges that carry vehicular traffic generate some of the more direct discharges of runoff to surface waters. Bridge scupper drains cause a direct discharge of stormwater into receiving waters and have been shown to carry relatively high concentrations of pollutants. Bridge maintenance also generates wastes that may be either directly deposited to the water below or carried to the receiving water by stormwater. The following steps will help reduce the stormwater impacts of bridge maintenance:

- Site new bridges so that significant adverse impacts to wetlands, sensitive areas, critical habitat, and riparian vegetation are minimized.

- Design new bridges to avoid the use of scupper drains and route runoff to land for treatment control. Existing scupper drains should be cleaned on a regular basis to avoid sediment/debris accumulation.

- Reduce the discharge of pollutants to surface waters during maintenance by using suspended traps, vacuums, or booms in the water to capture paint, rust, and paint removing agents. Many of these wastes may be hazardous. Properly dispose of this waste by referring to CA21 (Hazardous Waste Management) in the Construction Handbook.

- Train employees and subcontractors to reduce the discharge of wastes during bridge maintenance.

*De-icing*

- Do not over-apply deicing salt and sand, and routinely calibrate spreaders.

- Near reservoirs, restrict the application of deicing salt and redirect any runoff away from reservoirs.

- Consider using alternative deicing agents (less toxic, biodegradable, etc.).

## References and Resources

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality Control Board. July. 1998.

Orange County Stormwater Program
http://www.ocwatersheds.com/stormwater/swp_introduction.asp

Oregon Association of Clean Water Agencies. Oregon Municipal Stormwater Toolbox for Maintenance Practices. June 1998.

Santa Clara Valley Urban Runoff Pollution Prevention Program. 1997 Urban Runoff Management Plan. September 1997, updated October 2000.

Santa Clara Valley Urban Runoff Pollution Prevention Program. 2001. Fresh Concrete and Mortar Application Best Management Practices for the Construction Industry. June.

Santa Clara Valley Urban Runoff Pollution Prevention Program. 2001. Roadwork and Paving Best Management Practices for the Construction Industry. June.

United States Environmental Protection Agency (USEPA). 2002. Pollution Prevention/Good Housekeeping for Municipal Operations Roadway and Bridge Maintenance. On-line
http://www.epa.gov/npdes/menuofbmps/poll_13.htm

# Plaza and Sidewalk Cleaning SC-71


## Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | ☑ |
| Metals | ☑ |
| Bacteria | ☑ |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Description

Pollutants on sidewalks and other pedestrian traffic areas and plazas are typically due to littering and vehicle use. This fact sheet describes good housekeeping practices that can be incorporated into the municipality's existing cleaning and maintenance program.

## Approach

### *Pollution Prevention*

- Use dry cleaning methods whenever practical for surface cleaning activities.
- Use the least toxic materials available (e.g. water based paints, gels or sprays for graffiti removal).

### *Suggested Protocols*

*Surface Cleaning*

- Regularly broom (dry) sweep sidewalk, plaza and parking lot areas to minimize cleaning with water.
- Dry cleanup first (sweep, collect, and dispose of debris and trash) when cleaning sidewalks or plazas, then wash with or without soap.
- Block the storm drain or contain runoff when cleaning with water. Discharge wash water to landscaping or collect water and pump to a tank or discharge to sanitary sewer if allowed. (Permission may be required from local sanitation district.)

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- Block the storm drain or contain runoff when washing parking areas, driveways or drive-throughs. Use absorbents to pick up oil; then dry sweep. Clean with or without soap. Collect water and pump to a tank or discharge to sanitary sewer if allowed. Street Repair and Maintenance.

*Graffiti Removal*

- Avoid graffiti abatement activities during rain events.
- Implement the procedures under Painting and Paint Removal in SC-70 Roads, Streets, and Highway Operation and Maintenance fact sheet when graffiti is removed by painting over.
- Direct runoff from sand blasting and high pressure washing (with no cleaning agents) into a dirt or landscaped area after treating with an appropriate filtering device.
- Plug nearby storm drain inlets and vacuum/pump wash water to the sanitary sewer if authorized to do so if a graffiti abatement method generates wash water containing a cleaning compound (such as high pressure washing with a cleaning compound). Ensure that a non-hazardous cleaning compound is used or dispose as hazardous waste, as appropriate.

*Surface Removal and Repair*

- Schedule surface removal activities for dry weather if possible.
- Avoid creating excess dust when breaking asphalt or concrete.
- Take measures to protect nearby storm drain inlets prior to breaking up asphalt or concrete (e.g. place hay bales or sand bags around inlets). Clean afterwards by sweeping up as much material as possible.
- Designate an area for clean up and proper disposal of excess materials.
- Remove and recycle as much of the broken pavement as possible to avoid contact with rainfall and stormwater runoff.
- When making saw cuts in pavement, use as little water as possible. Cover each storm drain inlet completely with filter fabric during the sawing operation and contain the slurry by placing straw bales, sandbags, or gravel dams around the inlets. After the liquid drains or evaporates, shovel or vacuum the slurry residue from the pavement or gutter and remove from site.
- Always dry sweep first to clean up tracked dirt. Use a street sweeper or vacuum truck. Do not dump vacuumed liquid in storm drains. Once dry sweeping is complete, the area may be hosed down if needed. Wash water should be directed to landscaping or collected and pumped to the sanitary sewer if allowed.

*Concrete Installation and Repair*

- Schedule asphalt and concrete activities for dry weather.

- Take measures to protect any nearby storm drain inlets and adjacent watercourses, prior to breaking up asphalt or concrete (e.g. place san bags around inlets or work areas).
- Limit the amount of fresh concrete or cement mortar mixed, mix only what is needed for the job.
- Store concrete materials under cover, away from drainage areas. Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfall, and runoff.
- Return leftover materials to the transit mixer. Dispose of small amounts of hardened excess concrete, grout, and mortar in the trash.
- Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stockpile, or dispose in the trash.
- Protect applications of fresh concrete from rainfall and runoff until the material has dried.
- Do not allow excess concrete to be dumped onsite, except in designated areas.
- Wash concrete trucks off site or in designated areas on site designed to preclude discharge of wash water to drainage system.

*Controlling Litter*

- Post "No Littering" signs and enforce anti-litter laws.
- Provide litter receptacles in busy, high pedestrian traffic areas of the community, at recreational facilities, and at community events.
- Cover litter receptacles and clean out frequently to prevent leaking/spillage or overflow.
- Clean parking lots on a regular basis with a street sweeper.

***Training***

- Provide regular training to field employees and/or contractors regarding surface cleaning and proper operation of equipment.
- Train employee and contractors in proper techniques for spill containment and cleanup.
- Use a training log or similar method to document training.

***Spill Response and Prevention***

- Refer to SC-11, Spill Prevention, Control & Cleanup.
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

### *Other Considerations*

- Limitations related to sweeping activities at large parking facilities may include current sweeper technology to remove oil and grease.
- Surface cleaning activities that require discharges to the local sewering agency will require coordination with the agency.
- Arrangements for disposal of the swept material collected must be made, as well as accurate tracking of the areas swept and the frequency of sweeping.

## Requirements

### *Costs*

- The largest expenditures for sweeping and cleaning of sidewalks, plazas, and parking lots are in staffing and equipment. Sweeping of these areas should be incorporated into street sweeping programs to reduce costs.

### *Maintenance*

Not applicable

## Supplemental Information

### *Further Detail of the BMP*

Community education, such as informing residents about their options for recycling and waste disposal, as well as the consequences of littering, can instill a sense of citizen responsibility and potentially reduce the amount of maintenance required by the municipality.

Additional BMPs that should be considered for parking lot areas include:

- Allow sheet runoff to flow into biofilters (vegetated strip and swale) and infiltration devices.
- Utilize sand filters or oleophilic collectors for oily waste in low concentrations.
- Arrange rooftop drains to prevent drainage directly onto paved surfaces.
- Design lot to include semi-permeable hardscape.
- Structural BMPs such as storm drain inlet filters can be very effective in reducing the amount of pollutants discharged from parking facilities during periods of rain.

## References and Resources

Bay Area Stormwater Management Agencies Association (BASMAA). 1996. Pollution From Surface Cleaning Folder http://www.basmaa.org

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality Control Board. July. 1998.

Oregon Association of Clean Water Agencies. Oregon Municipal Stormwater Toolbox for Maintenance Practices. June 1998.

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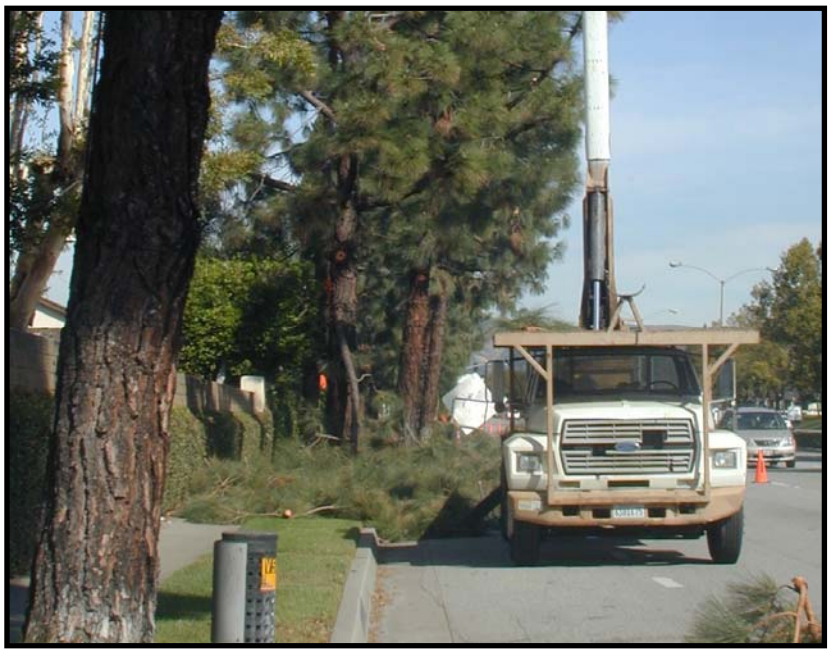
Santa Clara Valley Urban Runoff Pollution Prevention Program. 1997 Urban Runoff Management Plan. September 1997, updated October 2000.

Santa Clara Valley Urban Runoff Pollution Prevention Program. Maintenance Best Management Practices for the Construction Industry. Brochures: Landscaping, Gardening, and Pool; Roadwork and Paving; and Fresh Concrete and Mortar Application. June 2001.

San Diego Stormwater Co-permittees Jurisdictional Urban Runoff Management Plan. 2001. Municipal Activities Model Program Guidance. November.

# Landscape Maintenance SC-73



## Objectives

- Contain
- Educate
- Reduce/Minimize
- Product Substitution

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | ☑ |
| Metals | |
| Bacteria | |
| Oil and Grease | |
| Organics | |
| Oxygen Demanding | ☑ |

## Description

Landscape maintenance activities include vegetation removal; herbicide and insecticide application; fertilizer application; watering; and other gardening and lawn care practices. Vegetation control typically involves a combination of chemical (herbicide) application and mechanical methods. All of these maintenance practices have the potential to contribute pollutants to the storm drain system. The major objectives of this BMP are to minimize the discharge of pesticides, herbicides and fertilizers to the storm drain system and receiving waters; prevent the disposal of landscape waste into the storm drain system by collecting and properly disposing of clippings and cuttings, and educating employees and the public.

## Approach

### *Pollution Prevention*

- Implement an integrated pest management (IPM) program. IPM is a sustainable approach to managing pests by combining biological, cultural, physical, and chemical tools.
- Choose low water using flowers, trees, shrubs, and groundcover.
- Consider alternative landscaping techniques such as naturescaping and xeriscaping.
- Conduct appropriate maintenance (i.e. properly timed fertilizing, weeding, pest control, and pruning) to help preserve the landscapes water efficiency.

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- Consider grass cycling (grass cycling is the natural recycling of grass by leaving the clippings on the lawn when mowing. Grass clippings decompose quickly and release valuable nutrients back into the lawn).

### *Suggested Protocols*

*Mowing, Trimming, and Weeding*

- Whenever possible use mechanical methods of vegetation removal (e.g mowing with tractor-type or push mowers, hand cutting with gas or electric powered weed trimmers) rather than applying herbicides. Use hand weeding where practical.
- Avoid loosening the soil when conducting mechanical or manual weed control, this could lead to erosion. Use mulch or other erosion control measures when soils are exposed.
- Performing mowing at optimal times. Mowing should not be performed if significant rain events are predicted.
- Mulching mowers may be recommended for certain flat areas. Other techniques may be employed to minimize mowing such as selective vegetative planting using low maintenance grasses and shrubs.
- Collect lawn and garden clippings, pruning waste, tree trimmings, and weeds. Chip if necessary, and compost or dispose of at a landfill (see waste management section of this fact sheet).
- Place temporarily stockpiled material away from watercourses, and berm or cover stockpiles to prevent material releases to storm drains.

### *Planting*

- Determine existing native vegetation features (location, species, size, function, importance) and consider the feasibility of protecting them. Consider elements such as their effect on drainage and erosion, hardiness, maintenance requirements, and possible conflicts between preserving vegetation and the resulting maintenance needs.
- Retain and/or plant selected native vegetation whose features are determined to be beneficial, where feasible. Native vegetation usually requires less maintenance (e.g., irrigation, fertilizer) than planting new vegetation.
- Consider using low water use groundcovers when planting or replanting.

### *Waste Management*

- Compost leaves, sticks, or other collected vegetation or dispose of at a permitted landfill. Do not dispose of collected vegetation into waterways or storm drainage systems.
- Place temporarily stockpiled material away from watercourses and storm drain inlets, and berm or cover stockpiles to prevent material releases to the storm drain system.
- Reduce the use of high nitrogen fertilizers that produce excess growth requiring more frequent mowing or trimming.

- Avoid landscape wastes in and around storm drain inlets by either using bagging equipment or by manually picking up the material.

***Irrigation***

- Where practical, use automatic timers to minimize runoff.
- Use popup sprinkler heads in areas with a lot of activity or where there is a chance the pipes may be broken. Consider the use of mechanisms that reduce water flow to sprinkler heads if broken.
- Ensure that there is no runoff from the landscaped area(s) if re-claimed water is used for irrigation.
- If bailing of muddy water is required (e.g. when repairing a water line leak), do not put it in the storm drain; pour over landscaped areas.
- Irrigate slowly or pulse irrigate to prevent runoff and then only irrigate as much as is needed.
- Apply water at rates that do not exceed the infiltration rate of the soil.

***Fertilizer and Pesticide Management***

- Utilize a comprehensive management system that incorporates integrated pest management (IPM) techniques. There are many methods and types of IPM, including the following:
  - Mulching can be used to prevent weeds where turf is absent, fencing installed to keep rodents out, and netting used to keep birds and insects away from leaves and fruit.
  - Visible insects can be removed by hand (with gloves or tweezers) and placed in soapy water or vegetable oil. Alternatively, insects can be sprayed off the plant with water or in some cases vacuumed off of larger plants.
  - Store-bought traps, such as species-specific, pheromone-based traps or colored sticky cards, can be used.
  - Slugs can be trapped in small cups filled with beer that are set in the ground so the slugs can get in easily.
  - In cases where microscopic parasites, such as bacteria and fungi, are causing damage to plants, the affected plant material can be removed and disposed of (pruning equipment should be disinfected with bleach to prevent spreading the disease organism).
  - Small mammals and birds can be excluded using fences, netting, tree trunk guards.
  - Beneficial organisms, such as bats, birds, green lacewings, ladybugs, praying mantis, ground beetles, parasitic nematodes, trichogramma wasps, seed head weevils, and spiders that prey on detrimental pest species can be promoted.
- Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers and pesticides and training of applicators and pest control advisors.

- Use pesticides only if there is an actual pest problem (not on a regular preventative schedule).
- Do not use pesticides if rain is expected. Apply pesticides only when wind speeds are low (less than 5 mph).
- Do not mix or prepare pesticides for application near storm drains.
- Prepare the minimum amount of pesticide needed for the job and use the lowest rate that will effectively control the pest.
- Employ techniques to minimize off-target application (e.g. spray drift) of pesticides, including consideration of alternative application techniques.
- Fertilizers should be worked into the soil rather than dumped or broadcast onto the surface.
- Calibrate fertilizer and pesticide application equipment to avoid excessive application.
- Periodically test soils for determining proper fertilizer use.
- Sweep pavement and sidewalk if fertilizer is spilled on these surfaces before applying irrigation water.
- Purchase only the amount of pesticide that you can reasonably use in a given time period (month or year depending on the product).
- Triple rinse containers, and use rinse water as product. Dispose of unused pesticide as hazardous waste.
- Dispose of empty pesticide containers according to the instructions on the container label.

*Inspection*

- Inspect irrigation system periodically to ensure that the right amount of water is being applied and that excessive runoff is not occurring. Minimize excess watering, and repair leaks in the irrigation system as soon as they are observed.
- Inspect pesticide/fertilizer equipment and transportation vehicles daily.

***Training***

- Educate and train employees on use of pesticides and in pesticide application techniques to prevent pollution. Pesticide application must be under the supervision of a California qualified pesticide applicator.
- Train/encourage municipal maintenance crews to use IPM techniques for managing public green areas.
- Annually train employees within departments responsible for pesticide application on the appropriate portions of the agency's IPM Policy, SOPs, and BMPs, and the latest IPM techniques.

- Employees who are not authorized and trained to apply pesticides should be periodically (at least annually) informed that they cannot use over-the-counter pesticides in or around the workplace.
- Use a training log or similar method to document training.

***Spill Response and Prevention***

- Refer to SC-11, Spill Prevention, Control & Cleanup
- Have spill cleanup materials readily available and in a know in location
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

***Other Considerations***

- The Federal Pesticide, Fungicide, and Rodenticide Act and California Title 3, Division 6, Pesticides and Pest Control Operations place strict controls over pesticide application and handling and specify training, annual refresher, and testing requirements. The regulations generally cover: a list of approved pesticides and selected uses, updated regularly; general application information; equipment use and maintenance procedures; and record keeping. The California Department of Pesticide Regulations and the County Agricultural Commission coordinate and maintain the licensing and certification programs. All public agency employees who apply pesticides and herbicides in "agricultural use" areas such as parks, golf courses, rights-of-way and recreation areas should be properly certified in accordance with state regulations. Contracts for landscape maintenance should include similar requirements.
- All employees who handle pesticides should be familiar with the most recent material safety data sheet (MSDS) files.
- Municipalities do not have the authority to regulate the use of pesticides by school districts, however the California Healthy Schools Act of 2000 (AB 2260) has imposed requirements on California school districts regarding pesticide use in schools. Posting of notification prior to the application of pesticides is now required, and IPM is stated as the preferred approach to pest management in schools.

## Requirements

***Costs***

Additional training of municipal employees will be required to address IPM techniques and BMPs. IPM methods will likely increase labor cost for pest control which may be offset by lower chemical costs.

***Maintenance***

Not applicable

## Supplemental Information

***Further Detail of the BMP***

*Waste Management*

Composting is one of the better disposal alternatives if locally available. Most municipalities either have or are planning yard waste composting facilities as a means of reducing the amount of waste going to the landfill. Lawn clippings from municipal maintenance programs as well as private sources would probably be compatible with most composting facilities

*Contractors and Other Pesticide Users*

Municipal agencies should develop and implement a process to ensure that any contractor employed to conduct pest control and pesticide application on municipal property engages in pest control methods consistent with the IPM Policy adopted by the agency. Specifically, municipalities should require contractors to follow the agency's IPM policy, SOPs, and BMPs; provide evidence to the agency of having received training on current IPM techniques when feasible; provide documentation of pesticide use on agency property to the agency in a timely manner.

## References and Resources

King County Stormwater Pollution Control Manual. Best Management Practices for Businesses. 1995. King County Surface Water Management. July. On-line: http://dnr.metrokc.gov/wlr/dss/spcm.htm

Los Angeles County Stormwater Quality Model Programs. Public Agency Activities http://ladpw.org/wmd/npdes/model_links.cfm

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality Control Board. July. 1998.

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United States Environmental Protection Agency (USEPA). 2002. Pollution Prevention/Good Housekeeping for Municipal Operations Landscaping and Lawn Care. Office of Water. Office of Wastewater Management. On-line: http://www.epa.gov/npdes/menuofbmps/poll_8.htm

# Drainage System Maintenance SC-74

Photo Credit: Geoff Brosseau

## Objectives

- Contain
- Educate
- Reduce/Minimize

## Description

As a consequence of its function, the stormwater conveyance system collects and transports urban runoff that may contain certain pollutants. Maintaining catch basins, stormwater inlets, and other stormwater conveyance structures on a regular basis will remove pollutants, prevent clogging of the downstream conveyance system, restore catch basins' sediment trapping capacity, and ensure the system functions properly hydraulically to avoid flooding.

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | ☑ |
| Metals | ☑ |
| Bacteria | ☑ |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Approach

### *Suggested Protocols*

*Catch Basins/Inlet Structures*

- Municipal staff should regularly inspect facilities to ensure the following:
  - Immediate repair of any deterioration threatening structural integrity.
  - Cleaning before the sump is 40% full. Catch basins should be cleaned as frequently as needed to meet this standard.
  - Stenciling of catch basins and inlets (see SC-75 Waste Handling and Disposal).
- Clean catch basins, storm drain inlets, and other conveyance structures in high pollutant load areas just before the wet season to remove sediments and debris accumulated during the summer.

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- Conduct inspections more frequently during the wet season for problem areas where sediment or trash accumulates more often. Clean and repair as needed.
- Keep accurate logs of the number of catch basins cleaned.
- Record the amount of waste collected.
- Store wastes collected from cleaning activities of the drainage system in appropriate containers or temporary storage sites in a manner that prevents discharge to the storm drain.
- Dewater the wastes with outflow into the sanitary sewer if permitted. Water should be treated with an appropriate filtering device prior to discharge to the sanitary sewer. If discharge to the sanitary sewer is not allowed, water should be pumped or vacuumed to a tank and properly disposed of. Do not dewater near a storm drain or stream.
- Except for small communities with relatively few catch basins that may be cleaned manually, most municipalities will require mechanical cleaners such as eductors, vacuums, or bucket loaders.

*Storm Drain Conveyance System*

- Locate reaches of storm drain with deposit problems and develop a flushing schedule that keeps the pipe clear of excessive buildup.
- Collect flushed effluent and pump to the sanitary sewer for treatment.

*Pump Stations*

- Clean all storm drain pump stations prior to the wet season to remove silt and trash.
- Do not allow discharge from cleaning a storm drain pump station or other facility to reach the storm drain system.
- Conduct quarterly routine maintenance at each pump station.
- Inspect, clean, and repair as necessary all outlet structures prior to the wet season.
- Sample collected sediments to determine if landfill disposal is possible, or illegal discharges in the watershed are occurring.

*Open Channel*

- Consider modification of storm channel characteristics to improve channel hydraulics, to increase pollutant removals, and to enhance channel/creek aesthetic and habitat value.
- Conduct channel modification/improvement in accordance with existing laws. Any person, government agency, or public utility proposing an activity that will change the natural (emphasis added) state of any river, stream, or lake in California, must enter into a steam or Lake Alteration Agreement with the Department of Fish and Game. The developer-applicant should also contact local governments (city, county, special districts), other state agencies

(SWRCB, RWQCB, Department of Forestry, Department of Water Resources), and Federal Corps of Engineers and USFWS

*Illicit Connections and Discharges*

- During routine maintenance of conveyance system and drainage structures field staff should look for evidence of illegal discharges or illicit connections:
  - Is there evidence of spills such as paints, discoloring, etc.
  - Are there any odors associated with the drainage system
  - Record locations of apparent illegal discharges/illicit connections
  - Track flows back to potential dischargers and conduct aboveground inspections. This can be done through visual inspection of up gradient manholes or alternate techniques including zinc chloride smoke testing, fluorometric dye testing, physical inspection testing, or television camera inspection.
  - Once the origin of flow is established, require illicit discharger to eliminate the discharge.
- Stencil storm drains, where applicable, to prevent illegal disposal of pollutants. Storm drain inlets should have messages such as "Dump No Waste Drains to Stream" stenciled next to them to warn against ignorant or intentional dumping of pollutants into the storm drainage system.
- Refer to fact sheet SC-10 Non-Stormwater Discharges.

*Illegal Dumping*

- Regularly inspect and clean up hot spots and other storm drainage areas where illegal dumping and disposal occurs.
- Establish a system for tracking incidents. The system should be designed to identify the following:
  - Illegal dumping hot spots
  - Types and quantities (in some cases) of wastes
  - Patterns in time of occurrence (time of day/night, month, or year)
  - Mode of dumping (abandoned containers, "midnight dumping" from moving vehicles, direct dumping of materials, accidents/spills)
  - Responsible parties
- Post "No Dumping" signs in problem areas with a phone number for reporting dumping and disposal. Signs should also indicate fines and penalties for illegal dumping.
- Refer to fact sheet SC-10 Non-Stormwater Discharges.

- The State Department of Fish and Game has a hotline for reporting violations called Cal TIP (1-800-952-5400). The phone number may be used to report any violation of a Fish and Game code (illegal dumping, poaching, etc.).
- The California Department of Toxic Substances Control's Waste Alert Hotline, 1-800-69TOXIC, can be used to report hazardous waste violations.

***Training***

- Train crews in proper maintenance activities, including record keeping and disposal.
- Only properly trained individuals are allowed to handle hazardous materials/wastes.
- Train municipal employees from all departments (public works, utilities, street cleaning, parks and recreation, industrial waste inspection, hazardous waste inspection, sewer maintenance) to recognize and report illegal dumping.
- Train municipal employees and educate businesses, contractors, and the general public in proper and consistent methods for disposal.
- Train municipal staff regarding non-stormwater discharges (See SC-10 Non-Stormwater Discharges).

***Spill Response and Prevention***

- Refer to SC-11, Prevention, Control & Cleanup
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

***Other Considerations***

- Cleanup activities may create a slight disturbance for local aquatic species. Access to items and material on private property may be limited. Trade-offs may exist between channel hydraulics and water quality/riparian habitat. If storm channels or basins are recognized as wetlands, many activities, including maintenance, may be subject to regulation and permitting.
- Storm drain flushing is most effective in small diameter pipes (36-inch diameter pipe or less, depending on water supply and sediment collection capacity). Other considerations associated with storm drain flushing may include the availability of a water source, finding a downstream area to collect sediments, liquid/sediment disposal, and disposal of flushed effluent to sanitary sewer may be prohibited in some areas.
- Regulations may include adoption of substantial penalties for illegal dumping and disposal.
- Municipal codes should include sections prohibiting the discharge of soil, debris, refuse, hazardous wastes, and other pollutants into the storm drain system.
- Private property access rights may be needed to track illegal discharges up gradient.

- Requirements of municipal ordinance authority for suspected source verification testing for illicit connections necessary for guaranteed rights of entry.

## Requirements

### *Costs*

- An aggressive catch basin cleaning program could require a significant capital and O&M budget. A careful study of cleaning effectiveness should be undertaken before increased cleaning is implemented. Catch basin cleaning costs are less expensive if vacuum street sweepers are available; cleaning catch basins manually can cost approximately twice as much as cleaning the basins with a vacuum attached to a sweeper.

- Methods used for illicit connection detection (smoke testing, dye testing, visual inspection, and flow monitoring) can be costly and time-consuming. Site-specific factors, such as the level of impervious area, the density and ages of buildings, and type of land use will determine the level of investigation necessary. Encouraging reporting of illicit discharges by employees can offset costs by saving expense on inspectors and directing resources more efficiently. Some programs have used funds available from "environmental fees" or special assessment districts to fund their illicit connection elimination programs.

### *Maintenance*

- Two-person teams may be required to clean catch basins with vactor trucks.

- Identifying illicit discharges requires teams of at least two people (volunteers can be used), plus administrative personnel, depending on the complexity of the storm sewer system.

- Arrangements must be made for proper disposal of collected wastes.

- Requires technical staff to detect and investigate illegal dumping violations, and to coordinate public education.

## Supplemental Information

### *Further Detail of the BMP*

*Storm Drain flushing*

Sanitary sewer flushing is a common maintenance activity used to improve pipe hydraulics and to remove pollutants in sanitary sewer systems. The same principles that make sanitary sewer flushing effective can be used to flush storm drains. Flushing may be designed to hydraulically convey accumulated material to strategic locations, such as to an open channel, to another point where flushing will be initiated, or over to the sanitary sewer and on to the treatment facilities, thus preventing re-suspension and overflow of a portion of the solids during storm events. Flushing prevents "plug flow" discharges of concentrated pollutant loadings and sediments. The deposits can hinder the designed conveyance capacity of the storm drain system and potentially cause backwater conditions in severe cases of clogging.

Storm drain flushing usually takes place along segments of pipe with grades that are too flat to maintain adequate velocity to keep particles in suspension. An upstream manhole is selected to place an inflatable device that temporarily plugs the pipe. Further upstream, water is pumped into the line to create a flushing wave. When the upstream reach of pipe is sufficiently full to

cause a flushing wave, the inflated device is rapidly deflated with the assistance of a vacuum pump, releasing the backed up water and resulting in the cleaning of the storm drain segment.

To further reduce the impacts of stormwater pollution, a second inflatable device, placed well downstream, may be used to re-collect the water after the force of the flushing wave has dissipated. A pump may then be used to transfer the water and accumulated material to the sanitary sewer for treatment. In some cases, an interceptor structure may be more practical or required to re-collect the flushed waters.

It has been found that cleansing efficiency of periodic flush waves is dependent upon flush volume, flush discharge rate, sewer slope, sewer length, sewer flow rate, sewer diameter, and population density. As a rule of thumb, the length of line to be flushed should not exceed 700 feet. At this maximum recommended length, the percent removal efficiency ranges between 65-75 percent for organics and 55-65 percent for dry weather grit/inorganic material. The percent removal efficiency drops rapidly beyond that. Water is commonly supplied by a water truck, but fire hydrants can also supply water. To make the best use of water, it is recommended that reclaimed water be used or that fire hydrant line flushing coincide with storm drain flushing.

*Flow Management*

Flow management has been one of the principal motivations for designing urban stream corridors in the past. Such needs may or may not be compatible with the stormwater quality goals in the stream corridor.

Downstream flood peaks can be suppressed by reducing through flow velocity. This can be accomplished by reducing gradient with grade control structures or increasing roughness with boulders, dense vegetation, or complex banks forms. Reducing velocity correspondingly increases flood height, so all such measures have a natural association with floodplain open space. Flood elevations laterally adjacent to the stream can be lowered by increasing through flow velocity.

However, increasing velocity increases flooding downstream and inherently conflicts with channel stability and human safety. Where topography permits, another way to lower flood elevation is to lower the level of the floodway with drop structures into a large but subtly excavated bowl where flood flows we allowed to spread out.

*Stream Corridor Planning*

Urban streams receive and convey stormwater flows from developed or developing watersheds. Planning of stream corridors thus interacts with urban stormwater management programs. If local programs are intended to control or protect downstream environments by managing flows delivered to the channels, then it is logical that such programs should be supplemented by management of the materials, forms, and uses of the downstream riparian corridor. Any proposal for steam alteration or management should be investigated for its potential flow and stability effects on upstream, downstream, and laterally adjacent areas. The timing and rate of flow from various tributaries can combine in complex ways to alter flood hazards. Each section of channel is unique, influenced by its own distribution of roughness elements, management activities, and stream responses.

Flexibility to adapt to stream features and behaviors as they evolve must be included in stream reclamation planning. The amenity and ecology of streams may be enhanced through the landscape design options of 1) corridor reservation, 2) bank treatment, 3) geomorphic restoration, and 4) grade control.

Corridor reservation - Reserving stream corridors and valleys to accommodate natural stream meandering, aggradation, degradation, and over bank flows allows streams to find their own form and generate less ongoing erosion. In California, open stream corridors in recent urban developments have produced recreational open space, irrigation of streamside plantings, and the aesthetic amenity of flowing water.

Bank treatment - The use of armoring, vegetative cover, and flow deflection may be used to influence a channel's form, stability, and biotic habitat. To prevent bank erosion, armoring can be done with rigid construction materials, such as concrete, masonry, wood planks and logs, riprap, and gabions. Concrete linings have been criticized because of their lack of provision of biotic habitat. In contrast, riprap and gabions make relatively porous and flexible linings. Boulders, placed in the bed reduce velocity and erosive power.

Riparian vegetation can stabilize the banks of streams that are at or near a condition of equilibrium. Binding networks of roots increase bank shear strength. During flood flows, resilient vegetation is forced into erosion-inhibiting mats. The roughness of vegetation leads to lower velocity, further reducing erosive effects. Structural flow deflection can protect banks from erosion or alter fish habitat. By concentrating flow, a deflector causes a pool to be scoured in the bed.

Geomorphic restoration – Restoration refers to alteration of disturbed streams so their form and behavior emulate those of undisturbed streams. Natural meanders are retained, with grading to gentle slopes on the inside of curves to allow point bars and riffle-pool sequences to develop. Trees are retained to provide scenic quality, biotic productivity, and roots for bank stabilization, supplemented by plantings where necessary.

A restorative approach can be successful where the stream is already approaching equilibrium. However, if upstream urbanization continues new flow regimes will be generated that could disrupt the equilibrium of the treated system.

Grade Control - A grade control structure is a level shelf of a permanent material, such as stone, masonry, or concrete, over which stream water flows. A grade control structure is called a sill, weir, or drop structure, depending on the relation of its invert elevation to upstream and downstream channels.

A sill is installed at the preexisting channel bed elevation to prevent upstream migration of nick points. It establishes a firm base level below which the upstream channel can not erode.

A weir or check dam is installed with invert above the preexisting bed elevation. A weir raises the local base level of the stream and causes aggradation upstream. The gradient, velocity, and erosive potential of the stream channel are reduced. A drop structure lowers the downstream invert below its preexisting elevation, reducing downstream gradient and velocity. Weirs and drop structure control erosion by dissipating energy and reducing slope velocity.

When carefully applied, grade control structures can be highly versatile in establishing human and environmental benefits in stabilized channels. To be successful, application of grade control structures should be guided by analysis of the stream system both upstream and downstream from the area to he reclaimed.

***Examples***

The California Department of Water Resources began the Urban Stream Restoration Program in 1985. The program provides grant funds to municipalities and community groups to implement stream restoration projects. The projects reduce damages from streambank aid watershed instability arid floods while restoring streams' aesthetic, recreational, and fish and wildlife values.

In Buena Vista Park, upper floodway slopes are gentle and grassed to achieve continuity of usable park land across the channel of small boulders at the base of the slopes.

The San Diego River is a large, vegetative lined channel, which was planted in a variety of species to support riparian wildlife while stabilizing the steep banks of the floodway.

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# Waste Handling and Disposal SC-75


## Objectives

- Cover
- Contain
- Educate
- Reduce/Reuse

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | ☑ |
| Metals | ☑ |
| Bacteria | ☑ |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Description

It is important to control litter to eliminate trash and other materials in stormwater runoff. Waste reduction is a major component of waste management and should be encouraged through training and public outreach. Management of waste once it is collected may involve reuse, recycling, or proper disposal.

## Approach

### *Pollution Prevention*

- Reuse products when possible.
- Encourage recycling programs with recycling bins, used oil collection, etc.

### *Suggested Protocols*

*Solid Waste Collection*

- Implement procedures, where applicable, to collect, transport, and dispose of solid waste at appropriate disposal facilities in accordance with applicable federal, state, and local laws and regulations.
- Include properly designed trash storage areas. If feasible provide cover over trash storage areas.
- Regularly inspect solid waste containers for structural damage. Repair or replace damaged containers as necessary.

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- Secure solid waste containers; containers must be closed tightly when not in use.
- Do not fill waste containers with washout water or any other liquid.
- Ensure that only appropriate solid wastes are added to the solid waste container. Certain wastes such as hazardous wastes, appliances, fluorescent lamps, pesticides, etc. may not be disposed of in solid waste containers (see chemical/ hazardous waste collection section below).
- Do not mix wastes; this can cause chemical reactions, make recycling impossible, and complicate disposal.
- Refer to SC-34 Waste Handling and Disposal for more information regarding solid waste facilities.

*Waste Reduction and Recycling*

- Recycle wastes whenever possible. Many types of waste can be recycled, recycling options for each waste type are limited. All gasoline, antifreeze, waste oil, and lead-acid batteries can be recycled. Latex and oil-based paint can be reused, as well as recycled. Materials that cannot be reused or recycled should either be incinerated or disposed of at a properly permitted landfill.
- Recycling is always preferable to disposal of unwanted materials.
- Recycling bins for glass, metal, newspaper, plastic bottles and other recyclable household solid wastes should be provided at public facilities and/or for residential curbside collection.

*Controlling Litter*

- Post "No Littering" signs and enforce anti-litter laws.
- Provide litter receptacles in busy, high pedestrian traffic areas of the community, at recreational facilities, and at community events.
- Clean out and cover litter receptacles frequently to prevent spillage.

*Illegal Dumping*

Substances illegally dumped on streets and into the storm drain system and creeks include paints, used oil and other automotive fluids, construction debris, chemicals, fresh concrete, leaves, grass clipping, and pet wastes.

- Post "No Dumping" signs with a phone number for reporting dumping and disposal. Signs should also indicate fines and penalties for illegal dumping.
- Landscaping and beautification efforts of hot spots might also discourage future dumping.
- See SC-74 Drainage System Maintenance, and SC-10 Non-Stormwater Discharges.

## Requirements

### *Costs*

- The costs for a solid waste source control program vary depending on the type of method. The cost of a community education program or a plan to increase the number of trash receptacles can be very minimal. Costs for structural controls such as trash racks, bar screens, and silt traps can be quite costly ranging from $250,000 to $900,000.

- A collection facility or curbside collection for used oil may result in significant costs. Commercial locations (automobile service stations, quick oil change centers, etc.) as collection points eliminate hauling and recycling costs.

- Collection and disposal of hazardous waste can be very expensive and requires trained operators; laboratory and detection equipment; and extensive record keeping including dates, types, and quantities.

- Use of volunteer work forces can lower storm drain stenciling program costs. Stenciling kits require procurement of durable/disposable items. The stenciling program can aid in the cataloging of the storm drain system. One municipality from the state of Washington has estimated that stenciling kits cost approximately $50 each. Stencils may cost about $8 each including the die cost on an order of 1,000. Re-orders cost about $1/stencil. Stencil designs may be available from other communities. Stencil kits should be provided on a loan basis to volunteer groups free of charge with the understanding that kit remnants are to be returned.

### *Maintenance*

- The primary staff demand for stenciling programs is for program setup to provide marketing and training. Ongoing/follow-up staff time is minimal because of volunteer services.

- Staffing requirements are minimal for oil recycling programs if collection/recycling is contracted out to a used oil hauler/recycler or required at commercial locations.

- Staff requirements for maintaining good housekeeping BMPs at waste handling sites is minimal.

## Supplemental Information

### *Further Detail of the BMP*

*Waste Reduction*

An approach to reduce stormwater pollution from waste handling and disposal is to assess activities and reduce waste generation. The assessment is designed to find situations where waste can be eliminated or reduced and emissions and environmental damage can be minimized. The assessment involves collecting process specific information, setting pollution prevention targets, and developing, screening and selecting waste reduction options for further study. Starting a waste reduction program is economically beneficial because of reduced raw material purchases and lower waste disposal fees.

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Orange County Stormwater Program
http://www.ocwatersheds.com/StormWater/swp_introduction.asp.

Santa Clara Valley Urban Runoff Pollution Prevention Program. 1997 Urban Runoff Management Plan. September 1997, updated October 2000.

# Water & Sewer Utility Maintenance SC-76

## Objectives

- Contain
- Educate
- Reduce/Minimize

## Description

Although the operation and maintenance of public utilities are not considered chronic sources of stormwater pollution, some activities and accidents can result in the discharge of pollutants that can pose a threat to both human health and the quality of receiving waters if they enter the storm drain system. Sewage incident response and investigation may involve a coordinated effort between staff from a number of different departments/agencies. Cities that do not provide maintenance of water and sewer utilities must coordinate with the contracting agency responsible for these activities and ensure that these model procedures are followed.

## Targeted Constituents

| | |
|---|---|
| Sediment | ☑ |
| Nutrients | ☑ |
| Trash | |
| Metals | |
| Bacteria | ☑ |
| Oil and Grease | ☑ |
| Organics | ☑ |
| Oxygen Demanding | ☑ |

## Approach

### *Pollution Prevention*

Inspect potential non-stormwater discharge flow paths and clear/cleanup any debris or pollutants found (i.e. remove trash, leaves, sediment, and wipe up liquids, including oil spills).

### *Suggested Protocols*

*Water Line Maintenance and Cleaning*

Procedures can be employed to reduce pollutants from discharges associated with water utility operation and maintenance activities. Planned discharges may include fire hydrant testing, flushing water supply mains after new construction, flushing lines due to complaints of taste and odor, dewatering mains for maintenance work. Unplanned discharges from treated, recycled water, raw water, and groundwater systems operation and maintenance activities can occur from water main

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breaks, sheared fire hydrants, equipment malfunction, and operator error.

*Planned discharges*

- Identify a suitable discharge option in the following order of preference:
  - Apply to the land.
  - Reuse water for dust suppression, irrigation, or construction compaction.
  - Discharge to a sanitary sewer system with approval.
  - Discharge to the storm drain system using applicable pollution control measures. (Only available to clean water discharges such as water main/ water storage tank/water hydrant flushing).
- If water is discharged to a storm drain, control measures must be put in place to control potential pollutants (i.e. sediment, chlorine, etc.). Examples of some storm drain protection options include:
  - Silt fence – appropriate where the inlet drains a relatively flat area.
  - Gravel and wire mesh sediment filter – Appropriate where concentrated flows are expected.
  - Wooden weir and fabric – use at curb inlets where a compact installation is desired.
- Prior to discharge, inspect discharge flow path and clear/cleanup any debris or pollutants found (i.e. remove trash, leaves, sediment, and wipe up liquids, including oil spills).
- General Design considerations for inlet protection devices include the following:
  - The device should be constructed such that cleaning and disposal of trapped sediment is made easy, while minimizing interference with discharge activities.
  - Devices should be constructed so that any standing water resulting from the discharge will not cause excessive inconvenience or flooding/damage to adjacent land or structures.
- The effectiveness of control devices must be monitored during the discharge period and any necessary repairs or modifications made.

*Unplanned Discharges*

- Stop the discharge as quickly as possible.
- Inspect flow path of the discharged water:
  - Identify erodible areas which may need to be repaired or protected during subsequent repairs or corrective actions

- Identify the potential for pollutants to be washed into the waterway

- If repairs or corrective action will cause additional discharges of water, select the appropriate procedures for erosion control, chlorine residual, turbidity, and chemical additives. Prevent potential pollutants from entering the flow path.

*Sanitary Sewer Maintenance*

Applicable to municipalities who own and operated a sewage collection system. Facilities that are covered under this program include sanitary sewer pipes and pump stations owned and operated by a municipality. The owner of the sanitary sewer facilities is the entity responsible for carrying out this prevention and response program.

- Clean sewer lines on a regular basis to remove grease, grit, and other debris that may lead to sewer backups.

- Establish routine maintenance program. Cleaning should be conducted at an established minimum frequency and more frequently for problem areas such as restaurants that are identified

- Cleaning activities may require removal of tree roots and other identified obstructions.

- During routine maintenance and inspection note the condition of sanitary sewer structures and identify areas that need repair or maintenance. Items to note may include the following:

  - Cracked/deteriorating pipes

  - Leaking joints/seals at manhole

  - Frequent line plugs

  - Line generally flows at or near capacity

  - Suspected infiltration or exfiltration.

- Prioritize repairs based on the nature and severity of the problem. Immediate clearing of blockage or repair is required where an overflow is currently occurring or for urgent problems that may cause an imminent overflow (e.g. pump station failures, sewer line ruptures, sewer line blockages). These repairs may be temporary until scheduled or capital improvements can be completed.

- Review previous sewer maintenance records to help identify “hot spots” or areas with frequent maintenance problems and locations of potential system failure.

*Spills and Overflows*

- Identify and track sanitary sewer discharges. Identify dry weather infiltration and inflow first. Wet weather overflow connections are very difficult to locate.

- Locate wet weather overflows and leaking sanitary sewers using conventional source identification techniques such as monitoring and field screening. Techniques used to identify other illicit connection sources can also be used for sewer system evaluation surveys (see SC74 Drainage System Operation and Maintenance).

- Implement community awareness programs for monitoring sanitary sewer wet weather overflows. A citizen's hotline for reporting observed overflow conditions should be established to supplement field screening efforts.

- Establish lead department/agency responsible for spill response and containment. Provide coordination within departments.

- When a spill, leak, and/or overflow occurs and when disinfecting a sewage contaminated area, take every effort to ensure that the sewage, disinfectant and/or sewage treated with the disinfectant is not discharged to the storm drain system or receiving waters. Methods may include:

  - Blocking storm drain inlets and catch basins

  - Containing and diverting sewage and disinfectant away from open channels and other storm drain fixtures (using sandbags, inflatable dams, etc.)

  - Removing the material with vacuum equipment

- Record required information at the spill site.

- Perform field tests as necessary to determine the source of the spill.

- Develop notification procedures regarding spill reporting.

*Septic Systems*

- Ensure that homeowners, installers, and inspectors are educated in proper maintenance of septic systems. This may require coordination with staff from other departments. Outreach to homeowners should include inspection reminders informing then that inspection and perhaps maintenance is due for their systems. Recommend that the system be inspected annually and pumped-out regularly.

- Programs which seek to address failing septic systems should consider using field screening to pinpoint areas where more detailed onsite inspection surveys are warranted.

### *Training*

- Conduct annual training of water utility personnel and service contractors. (field screening, sampling, smoke/dye testing, TV inspection).

- OSHA-required Health and Safety Training 29 CFR 1910.120 plus annual Refresher Training (as needed).

- OSHA Confined Space Entry training (Cal-OSHA Confined Space, Title 8 and federal OSHA 29 CFR 1910.146).

### *Spill Response and Prevention*

- See previous section regarding spills and overflows.
- Refer to SC-11, Spill Prevention, Control & Cleanup.
- Have spill cleanup materials readily available and in a known location.
- Cleanup spills immediately and use dry methods if possible.
- Properly dispose of spill cleanup material.

### *Other Considerations*

- Enact ordinance granting "right-of-entry" to locate potentially responsible parties for sewer overflows.
- Reliance on individual onsite inspection to detect failed septic systems can be a major limitation. The individual onsite inspection is very labor-intensive and requires access to private property to pinpoint the exact location of the failing system.
- A significant limitation to correcting failing septic systems is the lack of techniques available for detecting individual failed septic systems.

## Requirements

### *Costs*

- Departmental cooperation recommended for sharing or borrowing staff resources and equipment from municipal wastewater department.
- Infiltration, inflow, and wet weather overflows from sanitary sewers are very labor and equipment intensive to locate.
- The costs associated with detecting and correcting septic system failures are subject to a number of factors, including availability of trained personnel, cost of materials, and the level of follow-up required to fix the system problems.

### *Maintenance*

- Minimum 2-person teams to perform field screening and associated sampling.
- Larger teams required for implementing other techniques (i.e. zinc chloride smoke testing, fluorometric dye testing, television camera inspection and physical inspection with confined space entry) to identify sewer system leaks.
- Program coordination required for handling emergencies, record keeping, etc.
- Many of the problems associated with improper use of septic systems may be attributed to lack of user knowledge on operation and maintenance. Educational materials for homeowners and training courses for installers and inspectors can reduce the incidence of pollution from these widespread and commonly used pollution control devices.

# SC-76 Water & Sewer Utility Maintenance

## Supplemental Information

### *Further Detail of the BMP*

*Onsite Sewage Disposal Systems*

New onsite sewage disposal systems should be designed, located, and installed away from open waterbodies and sensitive resources such as wetlands and floodplains. A protective separation between the OSDS and groundwater should also be established. OSDSs should be operated and maintained to prevent surface water discharges and reduce pollutant loadings to groundwater. Inspection of OSDSs should occur regularly and repairs made immediately. New or replacement plumbing fixtures should be of the high efficiency type.

*Typical Sanitary Sewer Problems*

- Old and deteriorated main and lateral pipes - Sewers range in age from 30 to 100 years with an average age of 50 years.
- Cracked sewer pipes - Existing sewers are mostly clay pipes which can crack as they deteriorate with age and also by earth movement.
- Misaligned and open pipe joints - Most of the mortar used to seal the joints between sections of clay pipe has deteriorated.
- Undersized sewer pipe - The existing sewer system is overloaded due to new sewer hook-ups, underground water infiltration, and illegal roof and/or yard drain connections.
- Defective manholes - Old manholes are made of bricks. Typical problems associated with brick manholes are loose bricks, missing bricks, and misaligned manholes.
- Missing and/or unrecorded sewer pipes and manholes - This problem is typical in the easement/backline sewer. Sewer pipe locations shown on the sewer record map are different from the actual sewer location.
- Sewer main under houses and other improvements - Complaints of sewer main alignment crossing the house and other improvements. A solution to this problem requires an agreement with the property owner for a new sewer easement at a relocated line.

*Causes of Sanitary Sewer Backups*

- Root infiltration - Tree roots are a major cause of backups.
- Water inflow/infiltration - Rain water entering the sewer pipe causes overflows.
- Solids - Typical solids that buildup in the pipe and cause backups are grease, dirt, bones, tampons, paper towels, diapers, broken dishware, garbage, concrete, and debris.
- Structural defects in pipes and manholes - Sags in the line, cracks, holes, protruding laterals, misaligned pipe, offset joints are all possible causes of backups.

*Design Considerations*

Sanitary sewer overflows can often be reduced or eliminated by a number of practices, in addition to sewer system cleaning and maintenance, including the following:

- Reducing infiltration and inflow through rehabilitation and repair of broken or leaking sewer lines.
- Enlarging or upgrading the capacity of sewer lines, pump stations, or sewage treatment plants.
- Constructing wet weather storage and treatment facilities to treat excess flows.
- Addressing SSOs during sewer system master planning and facilities planning.

*Septic Systems*

Two field screening techniques that have been used with success at identifying possible locations of failing septic systems are the brightener test and color infrared (CIR) aerial photography. The first involves the use of specific phosphorus-based elements found in many laundry products, often called brighteners, as an indicator of the presence of failing onsite wastewater systems. The second technique uses color infrared (CIR) aerial photography to characterize the performance of septic systems. This method has been found to be a quick and cost-effective method for assessing the potential impacts of failing systems and uses variations in vegetative growth or stress patterns over septic system field lines to identify those systems that may potentially be malfunctioning. Then a more detailed onsite visual and physical inspection will confirm whether the system has truly failed and the extent of the repairs needed. These inspections may be carried out by county health departments or other authorized personnel.

## References and Resources

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# Infiltration Basin TC-11


## Design Considerations

- Soil for Infiltration
- Slope
- Aesthetics

## Targeted Constituents

| | | |
|---|---|---|
| ☑ | Sediment | ■ |
| ☑ | Nutrients | ■ |
| ☑ | Trash | ■ |
| ☑ | Metals | ■ |
| ☑ | Bacteria | ■ |
| ☑ | Oil and Grease | ■ |
| ☑ | Organics | ■ |

**Legend** ***(Removal Effectiveness)***

● Low ■ High

▲ Medium

## Description

An infiltration basin is a shallow impoundment that is designed to infiltrate stormwater. Infiltration basins use the natural filtering ability of the soil to remove pollutants in stormwater runoff. Infiltration facilities store runoff until it gradually exfiltrates through the soil and eventually into the water table. This practice has high pollutant removal efficiency and can also help recharge groundwater, thus helping to maintain low flows in stream systems. Infiltration basins can be challenging to apply on many sites, however, because of soils requirements. In addition, some studies have shown relatively high failure rates compared with other management practices.

## California Experience

Infiltration basins have a long history of use in California, especially in the Central Valley. Basins located in Fresno were among those initially evaluated in the National Urban Runoff Program and were found to be effective at reducing the volume of runoff, while posing little long-term threat to groundwater quality (EPA, 1983; Schroeder, 1995). Proper siting of these devices is crucial as underscored by the experience of Caltrans in siting two basins in Southern California. The basin with marginal separation from groundwater and soil permeability failed immediately and could never be rehabilitated.

## Advantages

- Provides 100% reduction in the load discharged to surface waters.
- The principal benefit of infiltration basins is the approximation of pre-development hydrology during which a

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significant portion of the average annual rainfall runoff is infiltrated and evaporated rather than flushed directly to creeks.

- If the water quality volume is adequately sized, infiltration basins can be useful for providing control of channel forming (erosion) and high frequency (generally less than the 2-year) flood events.

## Limitations

- May not be appropriate for industrial sites or locations where spills may occur.
- Infiltration basins require a minimum soil infiltration rate of 0.5 inches/hour, not appropriate at sites with Hydrologic Soil Types C and D.
- If infiltration rates exceed 2.4 inches/hour, then the runoff should be fully treated prior to infiltration to protect groundwater quality.
- Not suitable on fill sites or steep slopes.
- Risk of groundwater contamination in very coarse soils.
- Upstream drainage area must be completely stabilized before construction.
- Difficult to restore functioning of infiltration basins once clogged.

## Design and Sizing Guidelines

- Water quality volume determined by local requirements or sized so that 85% of the annual runoff volume is captured.
- Basin sized so that the entire water quality volume is infiltrated within 48 hours.
- Vegetation establishment on the basin floor may help reduce the clogging rate.

### *Construction/Inspection Considerations*

- Before construction begins, stabilize the entire area draining to the facility. If impossible, place a diversion berm around the perimeter of the infiltration site to prevent sediment entrance during construction or remove the top 2 inches of soil after the site is stabililized. Stabilize the entire contributing drainage area, including the side slopes, before allowing any runoff to enter once construction is complete.
- Place excavated material such that it can not be washed back into the basin if a storm occurs during construction of the facility.
- Build the basin without driving heavy equipment over the infiltration surface. Any equipment driven on the surface should have extra-wide ("low pressure") tires. Prior to any construction, rope off the infiltration area to stop entrance by unwanted equipment.
- After final grading, till the infiltration surface deeply.
- Use appropriate erosion control seed mix for the specific project and location.

## Performance

As water migrates through porous soil and rock, pollutant attenuation mechanisms include precipitation, sorption, physical filtration, and bacterial degradation. If functioning properly, this approach is presumed to have high removal efficiencies for particulate pollutants and moderate removal of soluble pollutants. Actual pollutant removal in the subsurface would be expected to vary depending upon site-specific soil types. This technology eliminates discharge to surface waters except for the very largest storms; consequently, complete removal of all stormwater constituents can be assumed.

There remain some concerns about the potential for groundwater contamination despite the findings of the NURP and Nightingale (1975; 1987a,b,c; 1989). For instance, a report by Pitt et al. (1994) highlighted the potential for groundwater contamination from intentional and unintentional stormwater infiltration. That report recommends that infiltration facilities not be sited in areas where high concentrations are present or where there is a potential for spills of toxic material. Conversely, Schroeder (1995) reported that there was no evidence of groundwater impacts from an infiltration basin serving a large industrial catchment in Fresno, CA.

## Siting Criteria

The key element in siting infiltration basins is identifying sites with appropriate soil and hydrogeologic properties, which is critical for long term performance. In one study conducted in Prince George's County, Maryland (Galli, 1992), all of the infiltration basins investigated clogged within 2 years. It is believed that these failures were for the most part due to allowing infiltration at sites with rates of less than 0.5 in/hr, basing siting on soil type rather than field infiltration tests, and poor construction practices that resulted in soil compaction of the basin invert.

A study of 23 infiltration basins in the Pacific Northwest showed better long-term performance in an area with highly permeable soils (Hilding, 1996). In this study, few of the infiltration basins had failed after 10 years. Consequently, the following guidelines for identifying appropriate soil and subsurface conditions should be rigorously adhered to.

- Determine soil type (consider RCS soil type 'A, B or C' only) from mapping and consult USDA soil survey tables to review other parameters such as the amount of silt and clay, presence of a restrictive layer or seasonal high water table, and estimated permeability. The soil should not have more than 30% clay or more than 40% of clay and silt combined. Eliminate sites that are clearly unsuitable for infiltration.

- Groundwater separation should be at least 3 m from the basin invert to the measured ground water elevation. There is concern at the state and regional levels of the impact on groundwater quality from infiltrated runoff, especially when the separation between groundwater and the surface is small.

- Location away from buildings, slopes and highway pavement (greater than 6 m) and wells and bridge structures (greater than 30 m). Sites constructed of fill, having a base flow or with a slope greater than 15% should not be considered.

- Ensure that adequate head is available to operate flow splitter structures (to allow the basin to be offline) without ponding in the splitter structure or creating backwater upstream of the splitter.

- Base flow should not be present in the tributary watershed.

***Secondary Screening Based on Site Geotechnical Investigation***

- At least three in-hole conductivity tests shall be performed using USBR 7300-89 or Bouwer-Rice procedures (the latter if groundwater is encountered within the boring), two tests at different locations within the proposed basin and the third down gradient by no more than approximately 10 m. The tests shall measure permeability in the side slopes and the bed within a depth of 3 m of the invert.

- The minimum acceptable hydraulic conductivity as measured in any of the three required test holes is 13 mm/hr. If any test hole shows less than the minimum value, the site should be disqualified from further consideration.

- Exclude from consideration sites constructed in fill or partially in fill unless no silts or clays are present in the soil boring. Fill tends to be compacted, with clays in a dispersed rather than flocculated state, greatly reducing permeability.

- The geotechnical investigation should be such that a good understanding is gained as to how the stormwater runoff will move in the soil (horizontally or vertically) and if there are any geological conditions that could inhibit the movement of water.

## Additional Design Guidelines

(1) Basin Sizing - The required water quality volume is determined by local regulations or sufficient to capture 85% of the annual runoff.

(2) Provide pretreatment if sediment loading is a maintenance concern for the basin.

(3) Include energy dissipation in the inlet design for the basins. Avoid designs that include a permanent pool to reduce opportunity for standing water and associated vector problems.

(4) Basin invert area should be determined by the equation:

$$A = \frac{WQV}{kt}$$

where A = Basin invert area ($m^2$)

WQV = water quality volume ($m^3$)

k = 0.5 times the lowest field-measured hydraulic conductivity (m/hr)

t = drawdown time ( 48 hr)

(5) The use of vertical piping, either for distribution or infiltration enhancement shall not be allowed to avoid device classification as a Class V injection well per 40 CFR146.5(e)(4).

## Maintenance

Regular maintenance is critical to the successful operation of infiltration basins. Recommended operation and maintenance guidelines include:

- Inspections and maintenance to ensure that water infiltrates into the subsurface completely (recommended infiltration rate of 72 hours or less) and that vegetation is carefully managed to prevent creating mosquito and other vector habitats.
- Observe drain time for the design storm after completion or modification of the facility to confirm that the desired drain time has been obtained.
- Schedule semiannual inspections for beginning and end of the wet season to identify potential problems such as erosion of the basin side slopes and invert, standing water, trash and debris, and sediment accumulation.
- Remove accumulated trash and debris in the basin at the start and end of the wet season.
- Inspect for standing water at the end of the wet season.
- Trim vegetation at the beginning and end of the wet season to prevent establishment of woody vegetation and for aesthetic and vector reasons.
- Remove accumulated sediment and regrade when the accumulated sediment volume exceeds 10% of the basin.
- If erosion is occurring within the basin, revegetate immediately and stabilize with an erosion control mulch or mat until vegetation cover is established.
- To avoid reversing soil development, scarification or other disturbance should only be performed when there are actual signs of clogging, rather than on a routine basis. Always remove deposited sediments before scarification, and use a hand-guided rotary tiller, if possible, or a disc harrow pulled by a very light tractor.

## Cost

Infiltration basins are relatively cost-effective practices because little infrastructure is needed when constructing them. One study estimated the total construction cost at about $2 per ft (adjusted for inflation) of storage for a 0.25-acre basin (SWRPC, 1991). As with other BMPs, these published cost estimates may deviate greatly from what might be incurred at a specific site. For instance, Caltrans spent about $18/ft$^3$ for the two infiltration basins constructed in southern California, each of which had a water quality volume of about 0.34 ac.-ft. Much of the higher cost can be attributed to changes in the storm drain system necessary to route the runoff to the basin locations.

Infiltration basins typically consume about 2 to 3% of the site draining to them, which is relatively small. Additional space may be required for buffer, landscaping, access road, and fencing. Maintenance costs are estimated at 5 to 10% of construction costs.

One cost concern associated with infiltration practices is the maintenance burden and longevity. If improperly maintained, infiltration basins have a high failure rate. Thus, it may be necessary to replace the basin with a different technology after a relatively short period of time.

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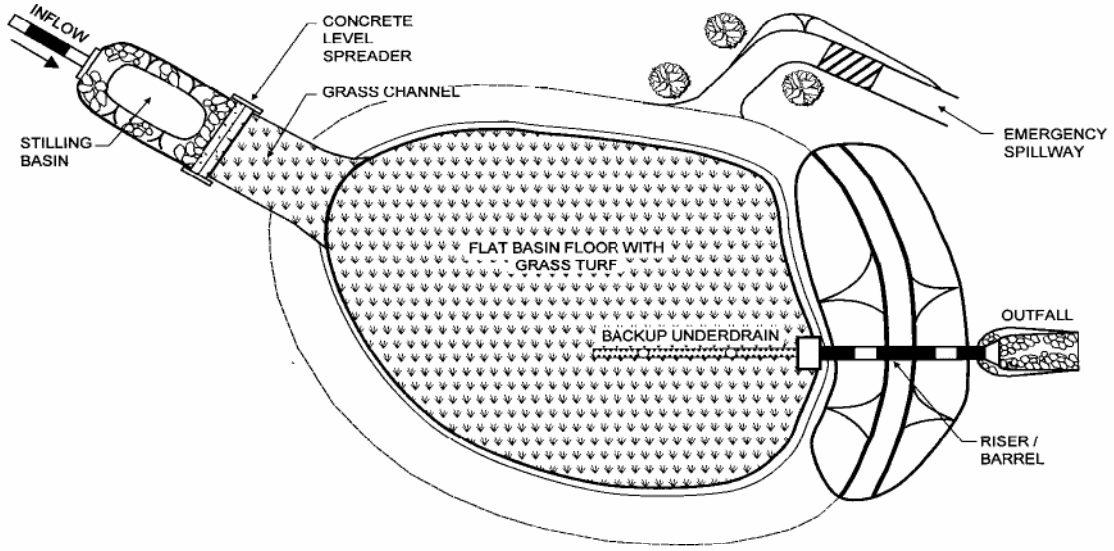
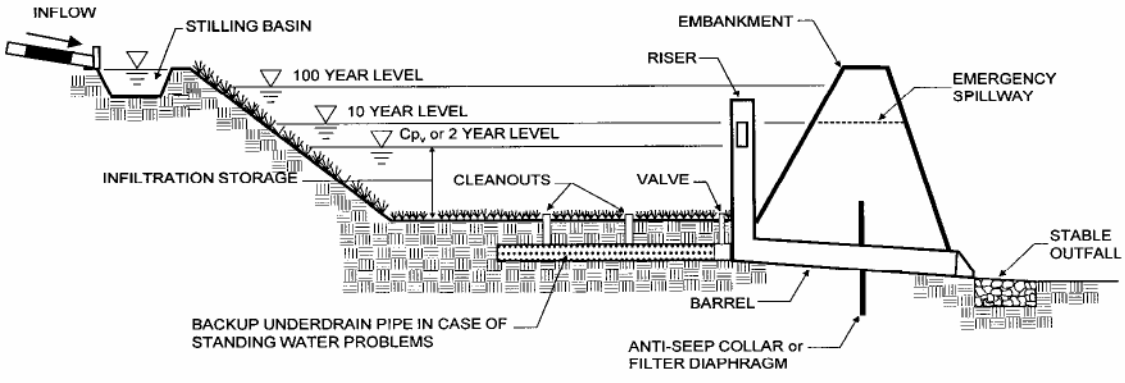



**PLAN VIEW**




**PROFILE**

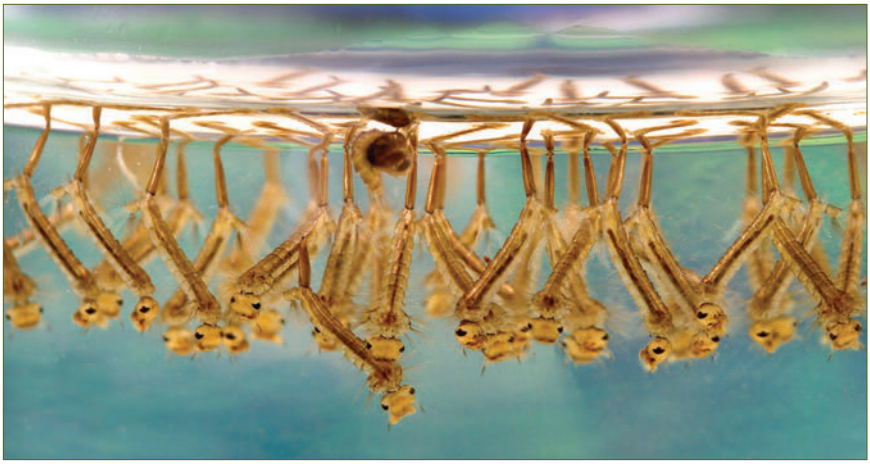
# PREVENTING MOSQUITOES

Guidelines to Reduce and Eliminate
Mosquito Breeding Sites in the Coachella Valley

# PREVENTING MOSQUITOES

## Guidelines to Reduce and Eliminate Mosquito Breeding Sites in the Coachella Valley

# INTRODUCTION



Controlling mosquitoes is critical to maintaining both a high quality of life and protecting people from mosquito-transmitted (vectored) diseases such as West Nile virus (WNV). These guidelines provide property owners and managers of homeowner associations (HOAs), country clubs, golf courses, and agricultural land with Best Management Practices for mosquito reduction. By implementing the following best practices property owners and managers can:

- Reduce mosquito production from permanent water sources
- Reduce or eliminate mosquito production from temporary water sources
- Reduce the potential for disease transmission to humans.

These guidelines are based on the California Department of Public Health (CDPH)/Mosquito and Vector Control Association of California (MVCAC) Best Management Practices guide and are intended to assist property owners and managers. The recommended practices, when properly implemented, are in line with best practices for water conservation and can lead to reductions in water usage and cost, while increasing the efficacy of biological and chemical control measures for mosquitoes.

# WHY SHOULD YOU CARE ABOUT PREVENTING MOSQUITOES?

## MOSQUITOES VECTOR DISEASE

About 12 mosquito species have been detected in the Coachella Valley. Two of those species currently are vectors (or transmitters) of disease agents to humans within the Coachella Valley. The Encephalitis Mosquito (*Culex tarsalis*) has been known to transmit West Nile virus, western equine encephalomyelitis, and St. Louis encephalitis. The Southern House Mosquito (*Culex quinquefasciatus*) can transmit West Nile virus and St. Louis encephalitis. These diseases can have permanent impacts on the nervous system and in rare cases lead to death. The only method to prevent contracting these diseases is to prevent being bitten by mosquitoes. An invasive mosquito species, *Aedes aegypti*, has also been detected in the Coachella Valley. This mosquito species is capable of transmitting dangerous viruses, such as dengue, chikungunya, and Zika, however, currently there is no local mosquito transmission of these viruses.

## MOSQUITOES ARE A NUISANCE THAT WE CAN REDUCE

Immature mosquitoes live in standing water. We can reduce mosquito populations by reducing the amount of standing water present in the Coachella Valley.

## MOSQUITO PREVENTION IS THE LAW

Under the California Health and Safety Code, mosquito and vector control districts may legally abate a public nuisance defined as “Any water that is a breeding place for vectors” and “Any activity that supports the development, attraction, or harborage of vectors, or that facilitates the introduction or spread of vectors” (HSC §2002(j)). Abatement can result in civil penalties of up to $1000 per day (HSC §2085(a), §2061).

# BASIC MOSQUITO BIOLOGY

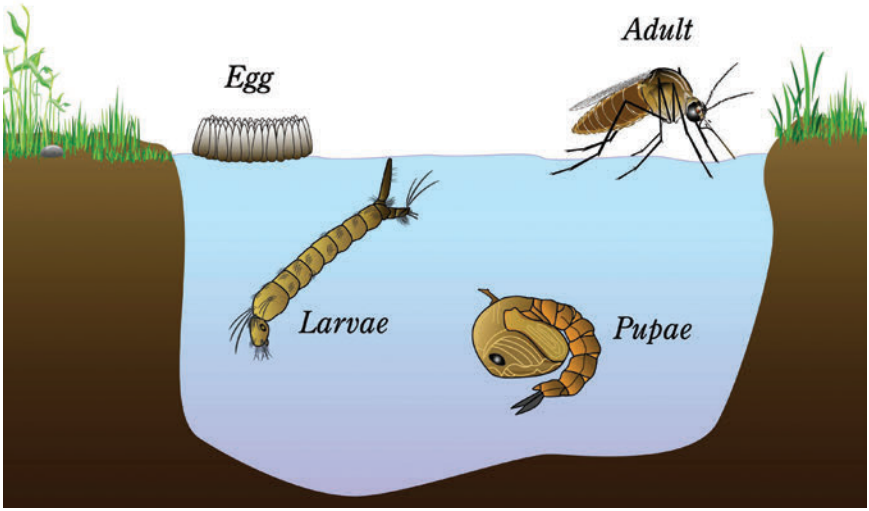
Mosquitoes have aquatic stages (larva and pupa) and an aerial stage (adult). Mosquito larvae breathe air from above the water surface and most hang at an angle from or lay parallel with the surface of the water while consuming small bits of organic matter. When disturbed, larvae swim down into the water column in a serpentine motion (giving rise to their common names of wigglers and wrigglers).

Mosquitoes then go through a non-feeding stage called a pupa. The easily identified comma-shaped pupae hang from the water surface and move down through the water column in a rolling or tumbling motion when disturbed. This life stage typically lasts about a day, with the mosquito emerging from the back of the pupal case (above the water) as a flying adult mosquito.

All adult mosquitoes feed on plant nectar; however blood is essential for female mosquitoes to produce eggs. To take a blood meal, the female's mouth parts pierce the skin, inject saliva, and suck blood out. It is through the injection of saliva that a mosquito causes the typical itchy bump and can infect a person or domestic animal with a disease causing organism. Depending on an individual's immune response, even a single bite can be a significant nuisance.

Typically, mosquitoes in the Coachella Valley are divided into standing water species and floodwater species.

## THE MOSQUITO LIFE CYCLE



## STANDING WATER MOSQUITOES

*Culex tarsalis*

*Culex quinquefasciatus*

Standing water species are found in areas where water is allowed to pool and stagnate. Adult mosquitoes lay eggs on the water surface. The eggs float for a few hours to a few days until the larvae hatch in the water. These species can develop in containers, neglected swimming pools, catch basins, open ditches, retention/detention ponds, natural or constructed wetlands, storm water management devices, and along the edges of flowing streams.

The **Encephalitis Mosquito** (*Culex tarsalis*) can transmit encephalitis viruses, such as West Nile virus, to humans. It can be found throughout the Coachella Valley. Immature mosquitoes develop in wetlands, duck clubs, irrigated crop fields, and neglected pools. The adult mosquito prefers to feed on birds and mammals. It is most active during spring, summer, and fall.

The **Southern House Mosquito** (*Culex quinquefasciatus*) is a secondary vector of West Nile virus and St. Louis encephalitis. It is common throughout the Coachella Valley. Immature mosquitoes often develop in foul water sources such as wastewater lagoons, storm water drains, neglected pools, and other containers. It prefers to feed on birds but will readily feed on humans. This mosquito is most active during the spring, summer, and fall.

## FLOODWATER MOSQUITOES

*Psorophora columbiae*

*Aedes vexans*

Floodwater mosquitoes lay eggs on mud or previously submerged vegetation. The eggs can hatch when the area becomes flooded with water, or they may remain dormant for days to years until the right conditions are available. Floodwater mosquito development sites include irrigated pastures and seasonally flooded duck clubs. These intermittent or seasonally flooded habitats can be among the most productive sources of mosquitoes because they are often free of natural predators.

*Psorophora columbiae* is a severe outdoor pest in rural areas of the Coachella Valley. The primary sources of these mosquitoes are flood irrigated agricultural fields and pastures. It is present from early summer to late fall. This mosquito prefers to feed on large mammals, including humans, and will bite both day and night with a peak of activity at sunrise and sunset. It can complete development from egg to adult within 3 to 5 days during the extreme temperatures of summer, which makes control of this species very difficult.

The **Inland Floodwater Mosquito** (*Aedes vexans*) is a secondary vector of dog heartworm and is a severe outdoor pest. It is common in irrigated pastures and in woodland water course pools. The adults feed mainly on mammals. This mosquito is most active in early spring through late fall. They typically bite at dawn and dusk but can also be active during the day.


How to Protect Yourself
- Make sure window and door screens are fitted and do not have holes.
91

# MOSQUITO REDUCTION BEST MANAGEMENT PRACTICES (BMPs)

The Coachella Valley Mosquito and Vector Control District (District) uses an Integrated Vector Management (IVM) approach to mosquito and vector control. The IVM approach focuses on site-specific, scientifically sound decisions to target the solution to the problem at hand. Typically, the techniques for controlling vectors are grouped into the following categories:

1. **SOURCE REDUCTION OR PHYSICAL CONTROL** manipulating the habitat to reduce mosquito breeding sites
2. **CULTURAL CONTROL** changing the behavior of people so that their actions prevent the development of mosquitoes or the transmission of vector-borne diseases
3. **BIOLOGICAL CONTROL** adding an animal to the environment that will eat the mosquitoes, for example, adding mosquitofish to a golf course pond
4. **CHEMICAL CONTROL** using larvicides (materials designed to kill immature larval mosquitoes) and adulticides (materials that kill adult mosquitoes)

Every site is unique. After evaluating the source of the mosquitoes, we implement the mosquito control practices applicable to the circumstances. We encourage property owners and managers to also use appropriate best practices as an efficient and effective way to help prevent a mosquito problem. Fortunately, many of the steps in these guidelines are affordable and easy to implement.

# UNIVERSALLY APPLICABLE MOSQUITO CONTROL BMPs

## GENERAL PRINCIPLES

1. Prevent or eliminate unnecessary standing water that remains for more than 96 hours.
2. Maintain water features such as ponds and fountains to circulate water with pumps that run at least eight hours a day. If the feature has no pump, water should be changed every 96 hours to prevent mosquito breeding and/or pesticide treatment may be necessary.
3. Maintain irrigation systems to avoid excess water use and runoff into storm drains.
4. Apply an EPA-registered mosquito repellent when outdoors; especially around dusk and dawn when mosquitoes are most active.
5. Wear loose-fitting protective clothing including long sleeves and pant legs.
6. Install and properly maintain fine mesh screens on windows and doors to prevent mosquito entry into homes.
7. Contact the District for technical guidance or assistance to prevent a mosquito problem on your property.
8. Maintain access for District staff to monitor and treat mosquito breeding sources.
9. Train and inform homeowners and landscape and maintenance staff about Best Management Practices and personal protective measures such as irrigation and landscape maintenance to reduce mosquito breeding potential of sites commonly found in urban environments.

## COLLABORATE WITH LOCAL MOSQUITO CONTROL PROGRAM

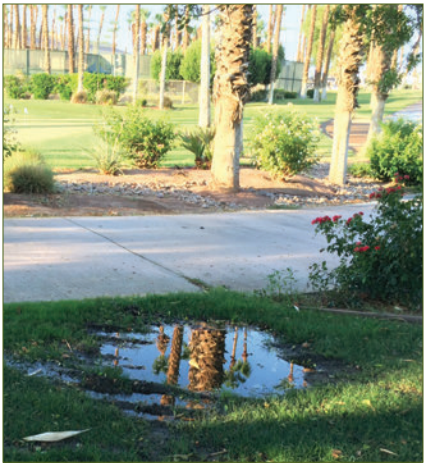
1. Contact the District to evaluate your property for mosquito breeding sites to prevent a mosquito problem on your property.
2. Ensure mosquito control technicians are able to easily access and treat mosquito breeding sites.

# RESIDENTIAL PROPERTIES

Urban and suburban mosquito sources are especially problematic because they produce mosquitoes in areas of high population density where many people live and work. This can quickly lead to mosquito–borne disease transmission since mosquitoes and humans are often in close proximity. Follow these guidelines to reduce the chances of people getting sick in your community.

**PROPERTY MAINTENANCE** – Eliminate man-made mosquito breeding sites and harborage:

1. Examine outdoor areas and drain temporary and unnecessary water that may stand longer than 96 hours.
2. Be aware of containers and objects that are subject to collecting water including pet dishes, potted plant drip trays, boats, birdbaths, and tires and buckets. Change water at least once per week. Mosquitoes can develop in as little as a 1/8" of standing water. Dispose of unwanted or unused artificial containers.
3. If possible, drill drainage holes, cover, or invert any container or object, that holds standing water and must remain outdoors. Be sure to check for containers or trash in places that may be hard to see, such as under bushes or buildings.
4. Ensure regular chlorination of swimming pools and that pumps and filters are operating. Unused or unwanted pools should be kept empty and dry. If a pool or spa is not going to be operational for any reason, notify the District so that the pool or spa can be inspected regularly and treated with an appropriate larvicide and/or stocked with mosquitofish, if needed. These services are provided at no additional charge and are supported by property taxes.



5. Properly dispose of any old tires that may collect water.
6. Clean clogged rain gutters and storm drains. Keep outdoor drains flowing freely and clear of leaves, vegetation, and other debris.
7. Use waterfalls, fountains, aerators and/or mosquitofish in ponds and ornamental water features. Mosquitofish are provided by the District at no charge. For ponds and ornamental water features where mosquitofish cannot be used, landowners should contact the District.
8. Minimize sites mosquitoes can use for refuge (harborage) by thinning branches, trimming and pruning ornamental shrubs and bushes, and keeping grass mowed short.
9. Install screens on small drains and keep them free of water and debris.
10. Back-fill tire ruts or other low areas that hold water for more than 96 hours.

**IRRIGATION AND DRAINAGE** – Prevent mosquito breeding associated with poorly managed irrigation, drainage, and landscape features:

1. Manage sprinkler and irrigation systems to minimize runoff entering storm water infrastructure. Ensure appropriate sprinkler type and placement for the landscaping, e.g., Variable Arc Nozzle (VAN) sprinklers for small or odd-shaped lawns (should be placed at least 6 inches from sidewalks and streets), drip sprinklers should be used for flowerbeds or desert landscapes to prevent "watering" the streets and sidewalks. Reduce watering time and increase frequency to grass, plants, and trees to provide sufficient time to absorb the water without waste.
2. Routinely inspect, maintain, and repair irrigation system components.
3. All underground drain pipes should be laid to grade to avoid low areas that may hold water for longer than 96 hours.
4. Improve drainage channels and grading to minimize potential for standing water.
5. Keep ditches clean and well-maintained. Periodically remove accumulated sediment and vegetation. Maintain ditch grade and prevent areas of standing water.
6. Vegetation should be controlled regularly to prevent overgrowth of emergent vegetation and vegetative barriers for District access. This includes vegetation control to maintain access to lanes and paths, interior pond embankments, and any weed growth that might become established within the pond. Vegetation in water features provides a protected spot for mosquitoes to lay their eggs.
7. Check and repair leaky outdoor faucets.
8. Construct or improve large ditches to a slope of at least 2:1 and a minimum 4-foot wide bottom. Consider a 3:1 slope or greater to discourage burrowing animal damage, potential seepage problems, and prevent unwanted vegetation growth.
9. Design irrigation systems to use water efficiently and drain completely to avoid standing water. Prevent wet areas associated with seepage by repairing leaks in dams, ditches, and drains.
10. Use desert landscape/xeriscape to reduce water usage and wastage. Install curb set-backs to maintain space between turfgrass and the street; these can include placing rocks, a sidewalk or sections of desert landscaping adjacent to the street to minimize the risk of water runoff into the street.

# TIRE STORAGE

Old tires can quickly become an area for mosquitoes to breed. These storage and inspection techniques will make it easy to control the mosquitoes.

1. Never allow water to accumulate in tires. Tires should be stored in a covered location or covered by a tarp in order to prevent the accumulation of water from rain or sprinklers. If water does accumulate, it should be dumped immediately.
2. Tires should never be stored in a pile. Tires should be stored on racks or in a stack not more than two rows wide – this allows for inspections of each tire.
3. Waste tires should be picked up by the proper disposal entity on a regular basis.

# PASTURES AND AGRICULTURAL PROPERTIES

Most floodwater mosquitoes develop on pasture and agricultural land in the Coachella Valley. Floodwater mosquitoes can become a severe nuisance in the surrounding community (*see Basic Mosquito Biology*).

## DITCHES AND DRAINS

1. Construct or improve ditches with at least 2:1 slopes and a minimum 4 foot bottom. Consider a 3:1 slope or greater to discourage burrowing animal damage, potential seepage problems, and prevent unwanted vegetation growth.
2. Keep ditches clean and well-maintained. Periodically remove accumulated sediment and vegetation. Maintain ditch grade to prevent areas of standing water.
3. Design irrigation systems to use water efficiently and drain completely to avoid standing water.

## IRRIGATED PASTURES

1. Grade field to achieve efficient use of irrigation water. Use Natural Resources Conservation Service (NRCS) guidelines for irrigated pastures. Initial laser leveling and periodic maintenance to repair damaged areas are needed to maintain efficient water flow.
2. Irrigate only as frequently as is needed to maintain proper soil moisture. Check soil moisture regularly until you know how your pasture behaves.
3. Do not over fertilize. Excess fertilizers can leach into irrigation tail water, making mosquito production more likely in ditches or further downstream.
4. Apply only enough water to wet the soil to the depth of rooting.
5. Drain excess water from the pasture within 24 hours following each irrigation period. This prevents scalding and reduces the number of weeds in the pasture. Good check slopes are needed to achieve drainage, and a drainage ditch may be used to remove water from the lower end of the field.
6. Inspect fields for drainage and broken checks to see whether re-leveling or reconstruction of levees is needed. Small low areas that hold water can be filled and replanted by hand. Broken checks create cross-leakage that provide habitat for mosquitoes.
7. Keep animals off the pasture while the soil is soft. An ideal mosquito habitat is created in irrigated pastures when water collects in hoof prints of livestock that were run on wet fields or left in the field during irrigation. Keeping animals off wet fields until soils stiffen also protects the roots of the forage crop and prevents soil compaction that interferes with plant growth.
8. Break up pastures into a number of smaller fields so that the animals can be rotated from one field to another. This allows fields to dry between irrigations and provides a sufficient growth period between grazing periods. It also prevents hoof damage, increases production from irrigated pastures, and helps improve water penetration into the soil by promoting a better root system.

# WETLANDS

Managed wetlands are found across California. Each wetland may vary in habitat, water quality, and its management goals. Wetlands in the Coachella Valley include permanent wetlands for habitat or species conservation, manmade waste water treatment wetlands, and temporarily flooded duck clubs.

**DESIGN AND MAINTENANCE** – General Guiding Principles to Minimize Mosquitoes:

1. Identify problem locations for mosquito production with the District and work to implement mosquito BMPs. Consult with the District on the design of restoration and enhancement projects that have the possibility of effecting mosquito production or control operations.
2. Maintain all open ditches – regularly remove trash, silt, and vegetation to maintain efficient water delivery and drainage.
3. Ensure mosquito control technicians are able to easily access and treat mosquito breeding sites. Make shorelines of natural, agricultural, and constructed water bodies accessible to maintenance and vector control crews for periodic maintenance, control, and removal of emergent vegetation.

4. Inspect, repair, and clean water control structures of debris. Remove silt and vegetation build-up in front of structures that impedes drainage or water flow. Completely close, board or mud-up controls to prevent unnecessary water flow, except where water circulation is necessary.
5. Construct, improve, or maintain ditches with 2:1 slopes and a minimum 4 foot bottom. Consider a 3:1 slope or greater to discourage burrowing animal damage, potential seepage problems, and prevent unwanted vegetation growth.
6. Construct, or improve, or maintain levees to quality standard that ensures stability and prevents unwanted seepage. Ideally build levees with >3:1 slopes & >80% compaction; consider >5:1 slope or greater in areas prone to over-land flooding and levee erosion.
7. Inspect and repair levees at least annually.
8. Design managed wetland projects to include independent inlets and outlets for each wetland unit.
9. Excavate deep channels or basins to maintain permanent water areas (> 2.5 feet deep) within a portion of seasonal managed wetlands. This provides year-round habitat for mosquito predators which can inoculate seasonal wetlands when they are irrigated or flooded.
10. Provide nesting and roosting sites for birds and bats. They can feed on adult mosquitoes to help reduce the population.
11. Whenever possible, maintain wetlands at depths greater than 4 feet (1.2 m) to limit the spread of invasive emergent vegetation such as cattails and bulrush.

**MANAGE VEGETATION** – Keep the wetland productive and to make mosquito treatments easy:

1. Control floating vegetation conducive to mosquito production.
2. Perform routine maintenance to reduce emergent plant densities to allow mosquito predators (e.g., fish) to move throughout vegetated areas, and to allow good penetration of chemical control agents.

**WATER MANAGEMENT** – To help reduce mosquitoes:

1. Minimize fluctuations in water level to prevent large areas of intermittently flooded substrate or isolated pools from being created, particularly during mosquito season.
2. Flood managed wetlands with water sources containing mosquitofish or invertebrate predators. Water from permanent ponds can be used to passively introduce mosquito predators.
3. Delay early fall flooding to avoid increased late-season mosquito production. Implement additional BMPs for managed wetlands that need to be flooded earlier than recommended in the fall. The wetlands targeted for early fall flooding should not be near urban centers and should not have a history of heavy mosquito production.
4. Flood managed wetlands as fast as possible. Coordinate flooding with neighbors or water district to maximize flood-up rate.
5. Encourage water circulation by providing a constant flow of water equal to discharge at drain structure.
6. Flood managed wetland as deep as possible at initial flood-up (18-24″).
7. Stock managed wetlands, especially brood ponds or permanent wetlands, with mosquitofish, or encourage habitat for naturalized populations.
8. Where feasible, have an emergency plan that provides for immediate drainage into acceptable areas if a public health emergency occurs.

# STORM WATER MANAGEMENT AND INFRASTRUCTURES

The size and variability of storm water infrastructure, inconsistent quantity and timing of water flows, and tendency to carry and accumulate sediment, trash, and debris, make these systems highly conducive to holding areas of standing water ideal for production of mosquitoes.

1. Consider mosquito production during the design, construction, and maintenance of storm water infrastructure. Design and maintain systems to fully discharge captured water in 96 hours or less. Include access for maintenance in system design.
2. Design outfalls (discharge points) to prevent scour depressions that can hold standing water.
3. Design structures so that they do not hold standing water for more than 96 hours to prevent mosquito development. Features to prevent or reduce the possibility of clogged discharge orifices (e.g., debris screens, permeable pavers) should be incorporated into the design.
4. Design distribution pumping and containment basins with adequate slopes to drain fully. The design slope should take into consideration buildup of sediment between maintenance periods.
5. Inspect drains regularly for the presence of standing water or immature mosquitoes.

6. Provide proper grades along conveyance structures to ensure that water flows freely.
7. Provide a uniform grade between the inlets and outlets to ensure that all water is discharged in 96 hours or less. Routine inspection and maintenance are crucial to ensuring the grade remains as designed and to remove accumulations of sediment, trash, and debris.
8. Keep inlets free of accumulations of sediment, trash, and debris to prevent standing water from backing up on roadways and gutters.
9. Avoid the use of electric pumps. They are subject to failure and often require permanent-water sumps. Structures that do not require pumping should be favored over those that have this requirement.
10. Install tight-fitting covers and manhole cover inserts to minimize mosquito access to permanent sources of standing water.

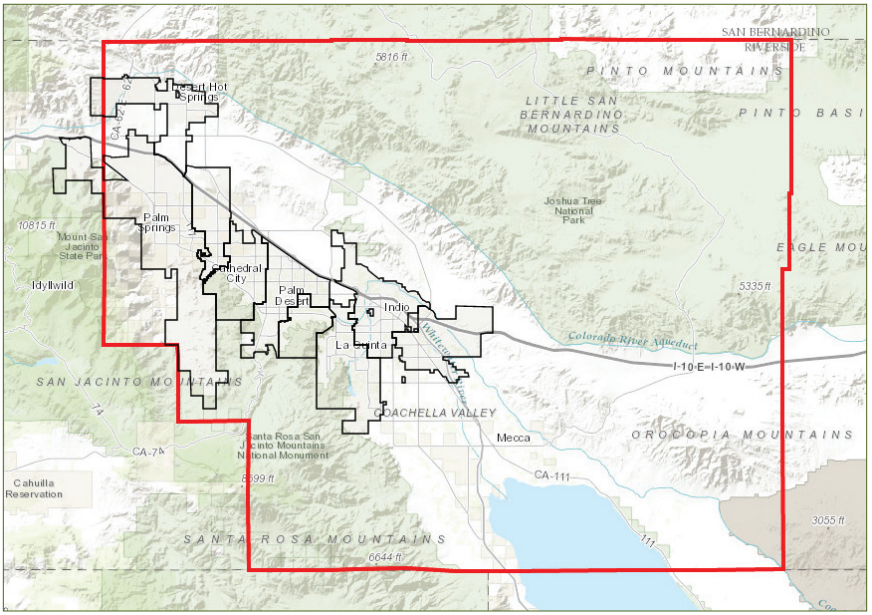
# ABATEMENT AND HEALTH AND SAFETY CODE

Under the California Health and Safety Code (HSC), mosquito and vector control districts may legally abate a public nuisance, including areas that allow for the development, attraction, or harborage of mosquitoes or other vectors. Abatement can result in civil penalties of up to $1000.00 per day per violation (HSC §2085(a), §2061).

The District begins correcting public nuisances through voluntary compliance from the property owners or parties in possession of property (Responsible Party). Persistent violators may be subject to additional enforcement action such as having the abatement work performed by the District at the Responsible Party's expense or having civil penalties assessed against the Responsible Party.

The District will inspect property to confirm and document that a public nuisance exists. From there, the District may issue a Request for Compliance, followed by a Notice of Violation if the nuisance is not remedied. If the issue is still not resolved, the District may issue a Notice of Public Nuisance and Order to Abate.

## OUR SERVICE AREA OUTLINED IN RED

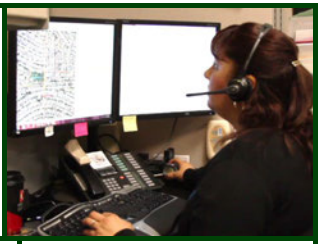


# WHAT HAPPENS WHEN YOU REPORT A MOSQUITO PROBLEM?

*District Call Center Clerks take a report and enter it into the District's digital mobile application.*

**5,334** calls received by Call Center in 2015

**757** calls complaining about mosquito problems



*A District state-certified Vector Control Technician will then be assigned to investigate the complaint.*

**24** technicians covering **2,400** square miles

**63,622** inspections searching for mosquito larvae

**276,021** mosquitoes were caught in District traps and of those

**12** species were identified

*District lab technicians will prepare test tubes filled with anywhere from 5 to 50 mosquitoes per sample to be tested for viruses in the District Lab.*

**3,903** samples of mosquitoes tested

**99** positive for West Nile virus

**37** positive for Saint Louis encephalitis virus

**15,860** larvicide treatments were made over **2,968** acres of residential, urban, and rural areas of the Coachella Valley

*Watch the video:*
*www.cvmvcd.org*
*or*
*www.youtube.com/watch?v=TdTIg2nQs28*

# COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

***Protection and Prevention since 1928***

The Coachella Valley Mosquito and Vector Control District is a non-enterprise special district accountable to the residents of the Coachella Valley and charged with protecting the public health within its boundaries through the control of vectors (such as mosquitoes) and vector-borne diseases.

The District boundary encompasses 2400 square miles, including Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, and unincorporated sections of Riverside County.

The District operates under the California Health and Safety Code, Division 3, Sections 2000-2910 and is governed by an 11-member Board of Trustees. There are 57 full-time employees and 3-6 seasonal staff from April to November.

## HELP US HELP YOU PROTECT YOUR COMMUNITY

## FIGHT THE BITE!


**COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT**
43-420 Trader Place, Indio, CA 92201

**Mailing Address**
P.O. Box 2967, Indio, CA 92202

**Toll-Free** (888) 343-9399
**District Office** (760) 342-8287
**District Fax** (760) 342-8110

cvmosquito@cvmvcd.org
**www.CVMVCD.org**

# Appendix E

Soils Report

GEOTECHNICAL INVESTIGATION

PROPOSED SKILLED NURSING FACILITY

APN 685-120-003 & 004

NEC GERALD FORD DRIVE AND BOB HOPE DRIVE

RANCHO MIRAGE, CALIFORNIA

-Prepared By-

Sladden Engineering

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August 28, 2023

Project No. 544-23112
23-07-368

Prest Vuksic Architects
44530 San Pablo, Suite 200
Palm Desert, California 92260

Subject: Geotechnical Investigation

Project: Proposed Skilled Nursing Facility
APN 685-120-003 & 685-120-004
NEC Gerald Ford Drive and Bob Hope Drive
Rancho Mirage, California

Sladden Engineering is pleased to present the results of the geotechnical investigation for the skilled nursing facility proposed for the subject site (APN 685-120-003 & 004) located on Gerald Ford Drive in the City of Rancho Mirage, California. Our services were completed in accordance with our proposal for geotechnical engineering services dated March 2, 2023 and your authorization to proceed with the work. The purpose of our investigation was to explore the subsurface conditions on the site to provide recommendations for foundation design and the design of the various site improvements. Evaluation of environmental issues and hazardous wastes were not included within the scope of services provided.

The opinions, recommendations and design criteria presented in this report are based on our field exploration program, laboratory testing and engineering analyses. Based on the results of our investigation, it is our professional opinion that the proposed project should be feasible from a geotechnical perspective provided that the recommendations presented in this report are implemented in design and carried-out through construction.

We appreciate the opportunity to provide service to you on this project. If you have any questions regarding this report, please contact the undersigned.

Respectfully submitted,
**SLADDEN ENGINEERING**

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Principal Geologist

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GEOTECHNICAL
STATE OF CALIFORNIA

GEOTECHNICAL INVESTIGATION
PROPOSED SKILLED NURSING FACILITY
APN 685-120-003 & 004
NEC GERALD FORD DRIVE AND BOB HOPE DRIVE
RANCHO MIRAGE, CALIFORNIA

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## INTRODUCTION

This report presents the results of the geotechnical investigation performed by Sladden Engineering (Sladden) for the skilled nursing facility proposed for the project site (APN 685-120-003 & 004) located on the northeast corner of Bob Hope Drive and Gerald Ford Drive in the City of Rancho Mirage, California. The site is located at approximately 33.7881 degrees north latitude and 116.4051 degrees west longitude. The approximate location of the site is indicated on the Site Location Map (Figure 1).

Our investigation was conducted to evaluate the engineering properties of the subsurface materials, to evaluate their *in-situ* characteristics, and to provide engineering recommendations and design criteria for site preparation, foundation design and the design of various site improvements. This study was conducted in general conformance with the criteria outlined in the California Geological Survey - Note 48 (CGS, 2022). Our study included a review of pertinent published and unpublished geotechnical and geological literature regarding seismicity, at and near the subject site.

## PROJECT DESCRIPTION

Based on the provided project plans (PVG Architects, 2023), it is our understanding that the project will consist of constructing a new skilled nursing facility on the site. The new building will occupy approximately 40,000 square feet ($ft^2$) of new building footprint. In addition, concrete flatwork, paved parking areas, landscape areas and various associated site improvements are also anticipated. We expect that the proposed skilled nursing facility will consist of a one-story, wood frame or steel-frame structure supported on conventional shallow spread footings with concrete slabs-on-grade.

Based on the generally level topography of the site, Sladden anticipates that grading will be limited to minor cuts and fills to construct the desired pad elevation and to provide adequate gradients for site drainage. This does not include our recommendation to overexcavate and replacement compaction of the foundation bearing soil within the building envelope.

Structural foundation loads were not available at the time we prepared this report. Based on our experience with relatively lightweight wood-frame and steel frame structures, we expect that isolated column loads will be less than 50 kips and that continuous wall loads will weigh less than 5 kips per linear foot. If these assumed loads vary significantly from the actual loads, we should be consulted to verify the applicability of the recommendations presented in this report.

## SCOPE OF SERVICES

The purpose of our investigation was to determine specific engineering characteristics of the surface and near surface soil to develop foundation design criteria and recommendations for site preparation. Exploration of the subject site was achieved by excavating ten (10) exploratory bores to depths between approximately 11 to 51 feet below the existing ground surface (bgs). Specifically, our site characterization consisted of the following tasks:

- Site reconnaissance to assess the existing surface conditions on and adjacent to the site.
- Excavated ten (10) exploratory bores to depths between approximately 11 to 51 feet bgs to characterize the near surface soil conditions. Representative samples of the soil were classified in the field and retained for laboratory testing and engineering analyses.
- Performed laboratory testing on selected soil samples to evaluate the engineering characteristics of the site soil.
- Reviewed geologic literature and geologic hazards.
- Performed engineering analyses to develop recommendations for foundation design and site preparation.
- The preparation of this report summarizing our work at the site.

## SITE CONDITIONS

General. The site is formally identified by the County of Riverside as APN 685-120-003 & 004 and consists of approximately 5.67 acres of undeveloped land. At the time of our investigation, the site was covered with scattered low growth native vegetation. The property is near the elevation of the adjacent properties and roadways, and is bounded by Gerald Ford Drive to the south, Bob Hope Drive to the west, Via Marta to the north, and developed residential properties to the east.

Topography and Drainage. The site consists of undulating topography consistent with the eolian sand deposits throughout the site vicinity. Based on our review of the Cathedral City 7.5-Minute Quadrangle Map (USGS, 2015), the site is situated at an elevation of approximately 300 feet above mean sea level (MSL). Surface gradients in the site vicinity descend to the southeast at an inclination of ten horizontal to one vertical (10H:1V) and less.

Natural ponding of water or surface seeps were not observed at or near the site during our investigation conducted on May 24, 2023. Site drainage appears to be sheet flow and surface infiltration. "Blue line" streams are not mapped on the property and significant drainage courses were not identified on the property during our field investigation.

## GEOLOGIC SETTING

The site is located within the Colorado Desert Physiographic Province (also referred to as the Salton Trough) that is characterized as a northwest-southeast trending structural depression extending from the Gulf of California to the Banning Pass. The Salton Trough is dominated by several northwest trending faults, most notably the San Andreas Fault system. The Salton Trough is bounded by the Santa Rosa – San Jacinto Mountains on the southwest, the San Bernardino Mountains on the north, the Little San Bernardino - Chocolate – Orocopia Mountains on the east, and extends through the Imperial Valley into the Gulf of California on the south.

A relatively thick sequence (20,000 feet) of sediments have been deposited in the Coachella Valley portion of the Salton Trough from the Miocene to present times. The sediments are predominately terrestrial in nature with some lacustrian (lake) and minor marine deposits. The major contributor of these sediments was the Colorado River. The mountains surrounding the Coachella Valley are composed primarily of Precambrian metamorphic and Mesozoic "granitic" rock.

The Salton Trough is an internally draining area without a readily available outlet to Gulf of California having portions well below sea level (-253' msl). The region is intermittently blocked from the Gulf of California by the damming effects of the Colorado River delta (current elevation +30'msl). Between about 300AD and 1600 AD (to 1700±) the Salton Trough was inundated by the River's water, forming ancient Lake Cahuilla (max. elevation +58' msl). Since that time the floor of the Trough has been repeatedly flooded with other "fresh" water lakes (1849, 1861, and 1891), the most recent and historically long lived being the current Salton Sea (1905). The sole outlet for these waters is evaporation, leaving behind vast amounts of terrestrial sediment materials and evaporite minerals.

Rogers (1965) mapped the site to be immediately underlain by undifferentiated Quaternary-age dune sand (Qs). The regional geologic setting for the site vicinity is presented on the Regional Geologic Map (Figure 2).

## SUBSURFACE CONDITIONS

The subsurface conditions at the site were investigated by excavating ten (10) exploratory boreholes to depths between approximately 11 to 51 feet bgs. The approximate exploratory locations are illustrated on the attached Geotechnical / Geologic Map and Exploration Location Map. The boreholes were advanced using a track-mounted limited access drill-rig (CME-75) equipped with 8-inch outside diameter hollow stem augers. "Undisturbed" soil samples were recovered using an automatic trip hammer advanced by a mechanically actuated mechanism lifting a 140 pound weight 30-inches and free falling. A representative of Sladden was on-site to log the materials encountered and retrieve samples for laboratory testing and engineering analyses.

During our field investigation, native eolian sand consisting of fine-grained sand (SP) was encountered to the maximum explored depth of 51 feet bgs. Generally, the native earth materials appeared yellowish brown, dry, loose to dense and fine-grained. The field sampler blowcounts indicated the in-situ density of the near surface soil generally increases with depth.

Groundwater was not encountered during our field investigation to the maximum explored depth of 51 feet bgs. Information regarding the approximate depth to groundwater provided by the California Department of Water Resources online database (CDWR, 2023) indicates that the historic high depth to groundwater is in excess of 150 feet below the existing ground surface in the vicinity of the site. The following table provides a summary of the recorded high groundwater depths in the vicinity of the project.

**TABLE 1**
**GROUNDWATER DEPTHS**

| STATE WELL | LAT/LONG | DISTANCE (KM) | DATE | DEPTH (FT) |
|---|---|---|---|---|
| 04S06E32N002S | 33.7732/-116.3848 | 2.51 | 01/28/2002 | 251.5 |
| 04S05E35G003S | 33.7817/-116.4312 | 2.52 | 03/07/2023 | 184.7 |
| 04S06E20M002S | 33.8087/-116.3878 | 2.80 | 08/08/2003 | 154.7 |
| 04S06E18R001S | 33.8195/-116.3903 | 3.75 | 03/07/2023 | 184.6 |
| 04S05E15R002S | 33.8191/ -116.4415 | 4.80 | 03/10/2022 | 203.4 |
| 04S06E33J001S | 33.7775/-116.3545 | 4.83 | 03/01/2023 | 178.8 |
| 04S06E35P001S | 33.7733/-116.3308 | 7.07 | 03/11/2022 | 174.7 |

## SEISMICITY AND FAULTING

It is our opinion that the most significant geologic hazard to the project is the potential for moderate to severe seismic to occur during the life of the project. The project site is located in the high seismic region within the influence of several fault systems that are considered to be active or potentially active.

Historic earthquakes in the project area include the 1968 Borrego Mountain event (M6.5), 1948 Desert Hot Springs event (M6.5), 1986 Palm Springs event (M 5.6), the 1992 Joshua Tree event (M6.1), the 1992 (M6.0) Big Bear event and the 1992 Landers event (M7.3). A list of earthquakes and earthquake epicenters (M>3.0) within 100 kilometers of the site, from 1932 to present, is presented within Appendix A (USGS, 2023)

Based on our research, the site is not located within either a State of California or County of Riverside designated fault zone (CGS, 2023 & RCPR, 2023). Table 2 lists the closest known faults that was generated in part using the EQFAULT computer program (Blake, 2000), as modified using the fault parameters from The Revised 2002 California Probabilistic Seismic Hazard Maps (Cao et al, 2003), Southern Earthquake Data Center (SCEDC, 2023) and the Quaternary Fault and Fold Database of the United States (USGS, 2023a). This table does not identify the probability of reactivation, or the on-site effects from earthquakes occurring on any of the other faults in the region.

**TABLE 2**
**CLOSEST KNOWN ACTIVE FAULTS**

| Fault Name | Distance (Km) | Maximum Event |
|---|---|---|
| San Andreas - Coachella | 6.6 | 7.45 |
| San Andreas - Southern | 6.6 | 7.45 |
| San Andreas - San Bernardino | 16.5 | 7.5 |
| Burnt Mountain | 17.7 | 6.5 |
| Eureka Peak | 21.0 | 6.4 |
| San Jacinto - Anza | 34.3 | 7.2 |
| Pinto Mountain | 35.4 | 7.2 |

**San Andreas Fault Zone**

The San Andreas Fault Zone is located approximately 6.6 kilometer from the site and is a right-lateral zone of complex faulting consisting of numerous segments for an approximate combined total length of 1,200 kilometers. The recurrence interval between major ruptures varies between the major segments of the fault zone and is believed to range from under 20 years to over 300 years (SCEDC, 2023).

Paleo-seismic investigations along the Coachella Valley Segment of the San Andreas fault indicate five ground rupture events (about 825 AD, 982 AD, 1231 AD, 1502 AD, and 1680 AD) for the area (Fumal, 2002). Seih and Williams (1990) indicate the date for the most recent event on the Coachella Valley segment at about 1680 AD.

**Burnt Mountain Fault**

The Burnt Mountain Fault is located approximately 17.7 kilometer from the site and is a right-lateral strike slip fault that last ruptured during the magnitude 7.3 Landers event. The fault was unknown until the Landers earthquake in which 16 kilometers of the fault ruptured the ground surface (SCEDC, 2023).

**Eureka Peak Fault**

The Eureka Peak Fault is located approximately 21.0 kilometer from the site and is a right-lateral strike slip fault that was previously unknown prior to the magnitude 7.3 Landers event. During this event, the fault ruptured along approximately 10 kilometers of length. The fault is reported to probably handle a significant amount of slip transferred from the San Andreas fault zone (SCEDC, 2023).

**San Jacinto Fault Zone**

The San Jacinto Fault Zone is among the more active fault zones in the Southern California region and is located approximately 34.3 kilometers from the site. The northwest trending fault zone consists of a right-lateral strike-slip with minor right reverse sense of motion. The fault zone is composed of numerous segments: Borrego, Coyote Creek, Anza, San Jacinto Valley, and San Bernardino segments for an approximate combined total length of 210 kilometers (SCEDC, 2023).

The most recent surface rupture along the San Jacinto Fault Zone occurred during the Mw 6.5 April 8, 1968 earthquake (Borrego Mountain earthquake) on the Coyote Creek segment. Surface rupture occurred over 33 kilometers of the fault zone's length. The quake caused damage throughout much of Southern

California that included: severed electrical power lines, cracked plaster, collapsed ceilings, landslides and rock falls. The earthquake is believed to have initiated "triggered slip" along the Superstition Hills Fault, Imperial Fault and Banning-Mission Creek Faults (SCEDC, 2023).

**Pinto Mountain Fault**

The left-lateral, west-trending, strike-slip Pinto Mountain fault runs from Morongo Valley to Twentynine Palms for an approximate distance of 74 km (SCEDC, 2023). The Pinto Mountain fault is located approximately 35.4 kilometer from the site. The Pinto Mountain fault was neither offset nor deflected by the Johnson Valley and Eureka Peak faults when rupture occurred during the Landers earthquake (Sieh, 1996). However, the SCEDC (2023) indicates that portions of the Pinto Mountain fault experienced "triggered slip" during that event. The relatively straight trace of the Pinto Mountain fault suggests that it dips at a high angle and that it may have a significant dip-slip component. The fault forms complex intersections with other faults in the region and the recurrence interval is poorly constrained. The fault roughly forms the boundary between the Mojave Desert and Transverse Ranges Physiographic provinces (CGS, 2002).

## SITE SPECIFIC GROUND MOTION PARAMETERS

Sladden has reviewed the 2022 California Building Code (CBC) and ASCE7-16 and developed site specific ground motion parameters for the subject site. The project site-specific ground motion parameters are summarized in the following table and included within Appendix B. The project Structural Engineer should verify that all design parameters provided are applicable for the subject project.

**TABLE 3**
**GROUND MOTION PARAMETERS**

| | | | |
|---|---|---|---|
| Latitude / Longitude | 33.7881/-116.4051 | | |
| Risk Category | IV | | |
| Site Class | D | | |
| Code Reference Documents | ASCE 7-16; Chapter 11 & 21 | | |
| **Description** | **Type** | **Map Based** | **Site-Specific** |
| $MCE_R$ Ground Motion (0.2 second period) | $S_S$ | 1.714 | --- |
| $MCE_R$ Ground Motion (1.0 second period) | $S_1$ | 0.71 | --- |
| Site-Modified Spectral Acceleration Value | $S_{MS}$ | 1.714 | **1.967** |
| Site-Modified Spectral Acceleration Value | $S_{M1}$ | null | **1.779** |
| Numeric Seismic Design Value at 0.2 second SA | $S_{DS}$ | 1.143 | **1.311** |
| Numeric Seismic Design Value at 1.0 second SA | $S_{D1}$ | null | **1.186** |
| Site Amplification Factor at 0.2 second | $F_a$ | 1 | **1** |
| Site Amplification Factor at 1.0 second | $F_v$ | null | **2.5** |
| Site Peak Ground Acceleration | $PGA_M$ | 0.821 | **0.759** |

## GEOLOGIC HAZARDS

The site is located in an active seismic zone and will likely experience strong seismic shaking during the life of the proposed project. In general, the intensity of ground shaking will depend on several factors including: the distance to the earthquake focus, the earthquake magnitude, the response characteristics of the underlying earth materials, and the quality and type of construction. Geologic hazards as related to the site are discussed below.

I. Surface Rupture. Surface rupture is expected to occur along preexisting, known active fault traces. However, surface rupture could potentially splay or step from known active faults or rupture along unidentified traces. Based on our review of Jennings (1994), CGS (2023), RCPR (2023), and Rodgers (1965) known faults are not currently mapped on or immediately adjacent to the site. The site is not located within a State of California or County of Riverside designated fault hazard zone for fault rupture. In addition, evidence of active surface faulting was not observed during our review of non-stereo digitized photographs of the site and its vicinity (Google, 2023). Evidence of active surface fault rupture or secondary seismic effects (lateral spreading, lurching etc.) was not identified during our field investigation. Therefore, it is our opinion that risks associated with primary surface ground rupture should be considered "low".

II. Ground Shaking. The site has been subjected to past ground shaking by faults that traverse through the region. Strong seismic shaking from nearby active faults is expected to produce strong seismic shaking during the design life of the proposed project. The site modified peak ground acceleration is estimated to be 0.759 g.

III. Liquefaction and Seismic Settlement. Liquefaction is the process in which loose, saturated granular soil looses strength as a result of seismic induced cyclic loading. The strength loss occurs as a result of a decrease in shear capacity of the soil matrix due to a rapid increase in pore pressures. Generally, liquefaction can occur if all of the following conditions apply: liquefaction-susceptible soil, saturated soil, and strong seismic shaking.

The State of California has not evaluated the Cathedral City Quadrangle for liquefaction hazards. However, the site is currently located within a County of Riverside designated "moderate" liquefaction hazard zone (Appendix C). However, based on the historic high groundwater depths in excess of 150 feet below the existing ground surface in the project vicinity (Table 1), risks associated with liquefaction are considered "negligible".

Seismic settlement (dry sand) may occur when loose granular soil densifies during seismic shaking, potentially resulting in damage to overlying structures and improvements. Our analyses indicate that the potential for seismic settlements impacting the site during a major seismic event on the nearby San Andreas Fault is significant. The peak ground acceleration utilized in our analyses was 0.759g ($PGA_M$), in accordance with current guidelines (CGS, 2022). Our seismic settlement analyses indicated total settlements of up to 4.28 inches and 5.07 inches for BH-1 and BH-2, respectively. The seismic settlement estimates are presented within Appendix D and summarized in Table 4.

**TABLE 4**
**SEISMIC SETTLEMENT ESTIMATES**

EXISTING SITE CONDITIONS

| BH-1 | BH-2 | Max. Differential | Distance Between Bores (BH-1 to BH-2) |
|---|---|---|---|
| 4.28 | 5.07 | 0.79-inches | 225-Feet |

10 FOOT OVEREXCAVATION AND RECOMPACTION

| | | | |
|---|---|---|---|
| 2.30 | 2.46 | 0.16-inches | 225- Feet |

A review of the seismically induced settlement estimate for the top 50 feet of the soil profile revealed seismic settlements ranging from 4.28 to 5.07 inches. The maximum differential settlement between these bores is estimated to be 0.79-inches occurring over a horizontal distance of approximately 225 feet.

IV. Clays and Cyclic Softening. The project site is underlain by eolian (wind blown) sand. Accordingly, risks associated with volumetric changes in cohesive soil and cyclic softening are considered "negligible".

V. Tsunamis and Seiches. The site is situated at an elevated inland location and is not immediately adjacent to any impounded bodies of water. Therefore the risks associated with tsunamis and seiches are considered "negligible".

VI. Slope Failure, Landsliding, Rock Falls. The site is located on relatively flat ground and not immediately adjacent to any slopes or hillsides. Therefore, it is our professional opinion that risks associated with slope instability are considered "negligible".

VII. Volcanic Hazards. The site is not located in an area of known volcanism. Accordingly, risks associated with volcanic hazards are considered "remote".

VIII. Hazardous Materials. The site is not located in an area of known methane gas, hydrogen gas, tar seeps or oil production wells. Accordingly, these risks should be considered "remote".

IX. Expansive Soil. Expansion Index testing of the soil was performed to evaluate the expansion potential of the materials underlying the site. Based on the results of our testing (EI=0) the materials underlying the site are considered to have a "very low" expansion potential.

X. Subsidence. Land subsidence can occur in valleys where aquifers were subjected to extensive groundwater pumping, such that groundwater pumping exceeds groundwater recharge. Generally, pore water reduction results in a rearrangement of skeletal grains and results in elastic (recoverable) or inelastic (unrecoverable) deformation of an aquifer system. According to the County of Riverside, the site is located within a subsidence "susceptible" zone (Appendix C). However, fissures or other surficial evidence of subsidence were not observed at or near the subject site during our field investigation. Subsidence in the Coachella Valley is areal in nature with very little differential settlement occurring over short distances such as across building envelopes. At this time, subsidence is considered a regional problem requiring regional mitigation not specific to the project site. As such, site specific effects resulting from long term regional subsidence are beyond the scope of our investigation.

XI. Static Settlement. Static settlement resulting from the anticipated foundation loads have been calculated utilizing the Schmertmann Method (Appendix G). The ultimate static settlement is expected to be less than 1/2 inch when using the recommended allowable bearing pressures. As a practical matter, differential static settlement between footings can be assumed as one-half of the total static settlement.

XII. Hydrocollapse. The implementation of our remedial recommendations to over-excavate and recompact the upper 8 to 10 feet of the on-site soil profile is intended to mitigate the potential hydro-consolidation. Below 10 feet the SPT values reflect soil materials with a lower potential of hydrocollapse.

XIII. Naturally Occurring Asbestos. The site is underlain by sand deposits. Asbestos bearing rock formations are not mapped on or immediately adjacent to the site (serpentinite and ultramafic rocks). Accordingly, risks associated with asbestos are considered "remote".

XIV. Radon-222 Gas. The United States Environmental Protection Agency (EPA) recommends that individuals avoid long-term exposures to radon concentrations above 4 picocuries per liter (pCi/L). The California Department of Public Health (CDPH) lists 31 tests in the Rancho Mirage area with 2 tests containing more than 4.0 pCi/L (CDPH, 2016).

XV. Flooding and Erosion. Signs of flooding or erosion were not observed during our field investigation. Based on our review of the FEMA flood insurance rate map for the site vicinity, the site is situated in an area determined to be outside of the 0.2% annual chance floodplain (Zone X)" (FEMA, 2008). Accordingly, risks associated with flooding and erosion are considered "low".

XVI. Debris Flows. Debris flows are viscous flows consisting of poorly sorted mixtures of sediment and water and are generally initiated on slopes steeper than approximately six horizontal to one vertical (6H:1V)(Boggs, 2001). Based on the flat nature of the site, the lack of adjacent slopes, and the composition of the surface soil, we judge that risks associated with debris flows to be remote.

## CONCLUSIONS

Based on the results of our geotechnical investigation, it is our opinion that the proposed project is feasible from a geotechnical and engineering geologic perspective provided the recommendations of this report are incorporated into the design and implemented during construction.

The surface soil at the site is considered loose, potentially compressible and not suitable for shallow foundation support in the existing condition. To mitigate the potential for differential settlements, we recommend remedial grading throughout the new building areas. Upon completion of the remedial grading, the new building elements may be supported upon conventional shallow spread footings.

Varying amounts of caving occurred within each of our exploratory bores and caving may occur in deeper excavations. All excavations should be constructed in accordance with the normal CalOSHA excavation criteria. On the basis of our observations of the materials encountered, we anticipate that the subsoil will conform to that described by CalOSHA as Type C, but soil conditions should be verified in the field by "Competent persons" employed by the Contractor.

Our analyses indicated that the potential for seismic settlements impacting the site during a major seismic event on the nearby San Andreas Fault to be severe. The seismic settlement estimates are presented on the seismic settlement data sheets within Appendix D and summarized within Table 4. As previously stated in Table 4, our analyses indicate total settlements up to 5 inches. However, based upon the general uniform subsurface soil conditions, the seismic settlement is expected to be “areal” in nature and the potential damaging differential settlement is expected to be minimal. The differential seismic settlement is expected to be approximately 0.79 inch over a lateral distance of approximately 225 feet. The remedial grading recommended within the building footprint and beyond are intended to produce a uniform compacted soil mat beneath the structures to mitigate seismic differential seismic settlement.

The following recommendations present more detailed design criteria that were developed on the basis of our field investigation and laboratory testing.

## EARTHWORK AND GRADING

Our recommendations are based upon the expectation that all earthwork including excavation, backfill and preparation of the subgrade soil, will be performed in accordance with the geotechnical recommendations presented in this report and portions of the local regulatory requirements, as applicable. All earthwork recommended in this report should be performed under the observation and testing of Sladden Engineering. The following geotechnical engineering recommendations for the proposed project are based on observations during the field investigation program and our laboratory testing and geotechnical engineering analyses.

a. Preparation of the Building Areas. To provide firm and uniform bearing conditions and to reduce the effects of potential seismically induced settlements, we recommend over-excavation and re-compaction throughout the building areas. To mitigate potential seismic settlements, we recommend that the top 8-10 feet of the soil profile be removed and recompacted to at least 90-percent of the maximum density as determined by ASTM Test Method D1557. Remedial grading should extend laterally, a minimum of 10 feet beyond the building limits. The native soil exposed by over-excavation should be scarified, moisture conditioned to near optimum moisture content, and compacted to 90 percent or more relative compaction (ASTM 1557) prior to fill placement. The previously removed soil may then be replaced as engineered fill material as recommended in Section C.

b. Stripping. Areas to be graded or over-excavated should be cleared of existing vegetation and associated root systems. All areas scheduled to receive fill or over-excavation should be cleared of old fills and irreducible matter. The unsuitable material should be removed off site. Voids left by obstructions should be properly backfilled in accordance with the compaction recommendations of this report.

c. Compaction. Native soil used as engineered fill must be free of organic material, debris, and other deleterious substances, and not contain irreducible matter greater than six (6) inches in maximum dimension. Place fill materials in six-inch lifts in a loose condition. If import fill is required, the material must be of a low to non-expansive nature and should be submitted to Sladden for testing and approval prior to import and should meet the following criteria:

| | |
|---|---|
| Plastic Index | Less than 12 |
| Liquid Limit | Less than 35 |
| Percent Soil Passing #200 Sieve | Between 15% and 35% |
| Maximum Aggregate Size | 3 inches |

Sladden recommends full-time observation and testing during pad and pavement grading, and intermittent site visits by the project engineer during grading. Compact subgrade and fill with acceptable compaction equipment, to 90 percent or more relative compaction. The bottom of the exposed subgrade should be observed by a representative of Sladden Engineering prior to fill placement. Compaction testing should be performed on each lift to verify proper placement and compaction of the fill materials. Table 5 provides a summary of the excavation and compaction recommendations.

**TABLE 5**
**SUMMARY OF RECOMMENDATIONS**

| | |
|---|---|
| *Remedial Grading | Excavation and recompaction within the building envelope and extending laterally for 10 feet beyond the building limits and to a minimum depth of 8-10 below existing grade. |
| **Native / Import Engineered Fill | Place in thin lifts not exceeding 6 inches in a loose condition and compact to a minimum of 90 percent relative compaction. |
| Class II Aggregate Base Material | Compact to at least 95 percent relative compaction within 2 percent of optimum moisture content. |
| **Asphalt Concrete Sections | Compact the top 12 inches of the subgrade to at least 95 percent relative compaction within 2 percent of optimum moisture content. |

*Actual depth may vary and should be determined by a representative of Sladden Engineering in the field during construction.
**ASTM D1557

d. Shrinkage and Subsidence**.** We anticipate volumetric shrinkage of the material that is excavated and replaced as controlled compacted fill. We estimate that this shrinkage could vary from 10 to 15 percent. Subsidence of the surfaces that are scarified and recompacted should be between 1 and 2 tenths of a foot. This will vary depending upon the type of equipment used, the moisture content of the soil at the time of grading and the actual degree of compaction attained.

## CONVENTIONAL SPREAD FOOTINGS

Conventional shallow spread footings may be utilized for support of the proposed skilled nursing facility structures provided that the estimated settlements presented herein are considered in design. All footings should be founded upon property compacted engineered fill soil in accordance with the recommendations of this report and should have a minimum embedment depth of 12 inches measured from the lowest adjacent finished grade. Continuous and isolated pad footings should have minimum widths of 12 inches and 24 inches, respectively. Continuous and isolated pad footings placed on compact engineered fill soil may be designed for an allowable (net) bearing pressures of 1800 and 2000 pounds per square foot (psf), respectively. Allowable increases of 250 psf for each additional 1 foot in width and 250 psf for each additional 6 inches in depth may be utilized, if desired. The maximum allowable bearing pressure must not exceed 3,000 psf. The allowable bearing pressures apply to combined dead and sustained live loads.

Lateral load resistance for the spread footings will be developed by passive soil pressure against the sides of the footings below grade and by friction acting at the base of the concrete footings bearing on compacted fill. An allowable passive pressure of 300 psf per foot of depth may be used for design purposes. An allowable coefficient of friction 0.45 may be used for dead and sustained live loads to compute the frictional resistance of footings placed directly on compacted fill. Under seismic and wind loading conditions, the passive pressure and frictional resistance may be increased by one-third.

Prior to placement of forms, reinforcement or concrete, all footing trenches should be observed by a representative of the project geotechnical consultant to verify adequate embedment depths and exposed soil conditions. The trenches should be trimmed neat, level and square. All loose, disturbed, sloughed or moisture-softened soil and/or any construction debris should be removed prior to concrete placement.

## SLABS-ON-GRADE

To reduce the risk of heave, cracking and settlement of non-structural supporting concrete slabs-on-grade, place on properly compacted fill as outlined Table 5. Subgrades for slabs should be near optimum moisture content and should not be permitted to dry prior to concrete placement and should be firm and unyielding. Remove loose or disturbed soil, replace and compact the subgrade to a minimum of 90 percent relative compaction.

Slab thickness and reinforcement must be determined by the Structural Engineer. Support slab reinforcement on concrete chairs so that the reinforcement is placed at slab mid-height. We recommend a minimum floor slab thickness of 5.0 inches and minimum reinforcement of #4 bars at 24 inches on center in each direction. Thicker slabs may be required depending on interior loading. Slabs with moisture sensitive surfaces should be underlain with a moisture vapor barrier consisting of a polyvinyl chloride membrane such as 10-mil Visqueen, or equivalent. To reduce the potential for puncture, the membrane should be placed on a pad surface that has been graded smooth without any sharp protrusions. If a smooth surface cannot be achieved by grading, consideration should be given to placing a thin leveling course of sand across the pad surface prior to the placement of the membrane.

## PRELIMINARY PAVEMENT DESIGN

Design asphalt concrete pavements in accordance with Topic 608 of the Caltrans Highway Design Manual based on R-Value and Traffic Index. The design R-Value was estimated to be in excess of 60. Any imported soil should be tested for R-Value. The actual R-Value of subgrade soil should be reevaluated prior to the final pavement design.

Traffic Indices (TI) of 5.0 and 6.5 were used for light duty and heavy duty pavements, respectively. We assumed Asphalt Concrete (AC) over Class II Aggregate Base (AB). Preliminary flexible pavement layer thickness is as follows:

| RECOMMENDED ASPHALT PAVEMENT SECTION LAYER THICKNESS | | |
|---|---|---|
| **Pavement Material** | **Recommended Thickness** | |
| | **TI=5.0** | **TI=6.5** |
| Asphalt Concrete Surface Course | 3.0 inches | 3.0 inches |
| Class II Aggregate Base Course | 4.0 inches | 6.0 inches |
| Compacted Subgrade Soil | 12.0 inches | 12.0 inches |

Asphalt concrete should conform to Section 39 of the latest edition of the CalTrans Standard Specifications. Class II aggregate base should conform to Section 26 Caltrans Standard Specifications, latest edition. The aggregate base course should be compacted to at least 95 percent of the maximum dry density as determined by ASTM Method D 1557 or to the dry density revealed by the R-value test data, whichever is greater.

## CORROSION SERIES

The soluble sulfate concentrations of the surface soil were determined to be 20 parts per million (ppm). The soil is considered to have a "low-S0" corrosion potential with respect to concrete. The use of Type V cement and special sulfate resistant concrete mixes should not be necessary. Soluble sulfate content of the surface soil should be reevaluated after grading and appropriate concrete mix designs should be established based upon post-grading test results.

The pH levels of the surface soil was 7.5. Based on soluble chloride concentration testing (50 ppm) the soil is considered non-corrosive with respect to normal grade steel. The minimum resistivity of the surface soil was found to be 24,000 ohm-cm that suggests the site soil is considered to have a "negligible" corrosion potential with respect to ferrous metal installations. A corrosion expert should be consulted regarding appropriate corrosion protection measures.

## UTILITY TRENCH BACKFILL

Utility trench backfill should be compacted to a minimum of 90 percent relative compaction based on ASTM Test Method D-1557. Trench backfill materials should be placed in loose lifts not greater than six inches, moisture conditioned (or air-dried) as necessary to achieve near optimum moisture conditions, and then mechanically compacted in-place to a minimum relative compaction of 90 percent. A representative of Sladden should test the backfill to verify adequate compaction.

## EXTERIOR CONCRETE FLATWORK

To minimize cracking of concrete flatwork, the subgrade soil below concrete flatwork areas should first be compacted to a minimum relative compaction of 90 percent of the maximum dry density determined by ASTM Test Method D-1557. A representative of Sladden should observe and test the density and moisture content of the subgrade soil prior to placing concrete.

## DRAINAGE

Provide final grades with positive gradients away from foundations to promote rapid removal of surface water runoff to an adequate discharge point. Water should not be allowed to be pond on or within five (5) feet foundation elements and be directed away from building foundations to an adequate discharge point. Subgrade drainage should be evaluated by the project Geotechnical Engineer upon completion of the precise grading plans and in the field during grading.

## LIMITATIONS

The findings and recommendations presented in this report are based upon our interpretation of the soil conditions between the exploratory bore locations and extrapolation of these conditions throughout the proposed building area. Should conditions encountered during grading appear different than those indicated in this report, this office should be immediately notified.

The use of this report by other parties or for other projects is not authorized. The recommendations of this report are contingent upon monitoring of the grading operations by a representative of Sladden Engineering. All recommendations are considered to be tentative pending our review of the grading and foundation plans, grading methods, and additional testing if necessary. If others are employed to perform any soil testing, this office should be notified prior to such testing in order to coordinate any required site visits by our representatives and to provide indemnification for Sladden Engineering.

We recommend that a pre-job conference be held on the site prior to the initiation of site grading. The purpose of that meeting will be to assure a complete understanding of the recommendations presented in this report each applies to the actual grading performed.

## ADDITIONAL SERVICES

Once final project plans and specifications are completed, those should be reviewed by Sladden Engineering prior to construction to confirm that the intent of the recommendations presented herein have been properly implemented into design. Following the review of plans and specifications, observations should be performed by the Sladden during construction to document grading, and that foundation elements are founded on/or penetrate into the recommended soil, and that suitable backfill soil is placed upon competent materials and properly compacted at the recommended moisture content.

Tests and observations should be performed during grading by a Sladden representative to verify that the grading is being performed in accordance with the project specifications. Field density testing shall be performed in accordance with acceptable ASTM test methods. The minimum acceptable degree of compaction should be 90 percent for subgrade soil and 95 percent for Class II aggregate base as obtained by ASTM Test Method D1557. Where testing indicates insufficient density, additional compactive effort shall be applied until retesting indicates satisfactory compaction.

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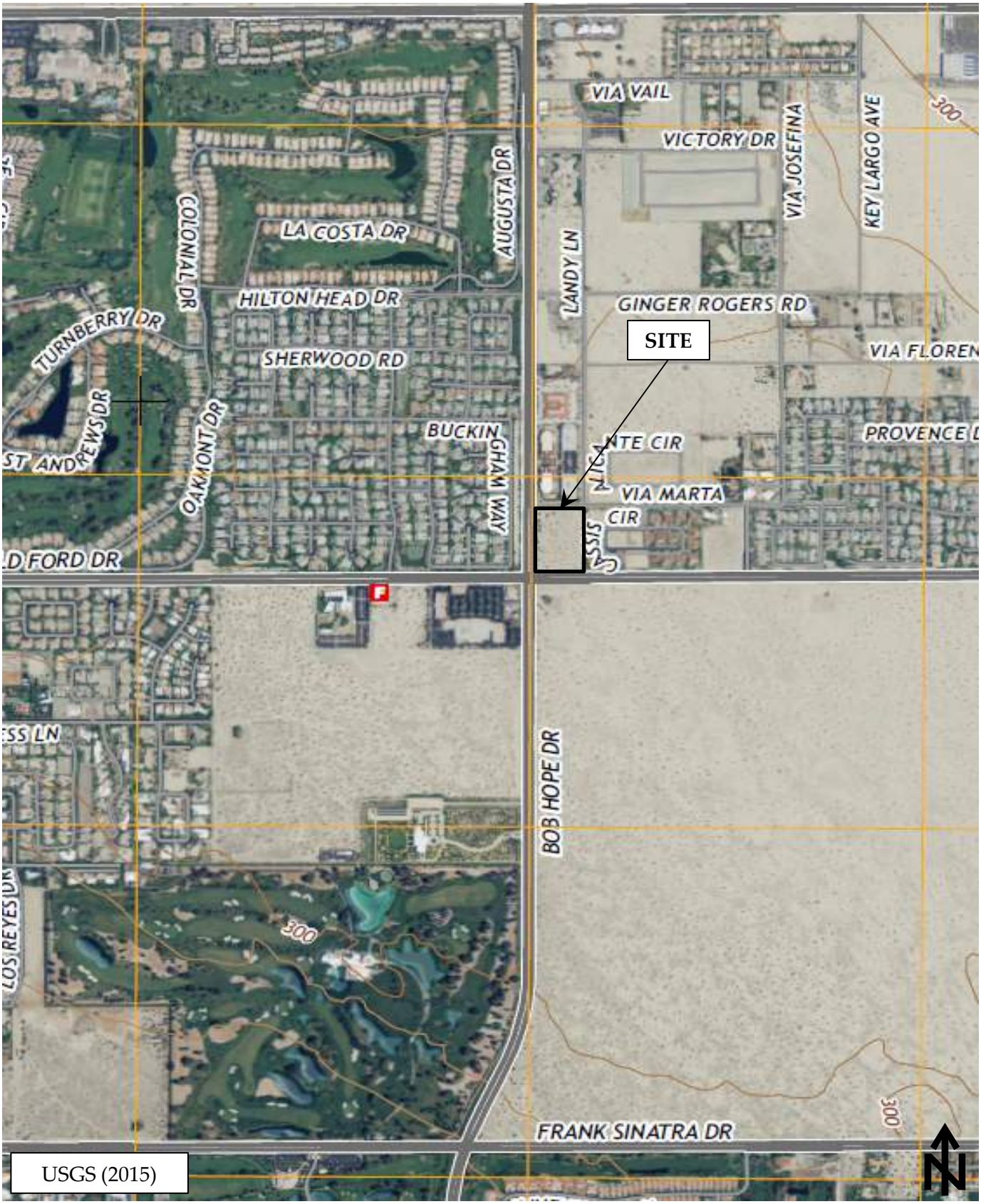
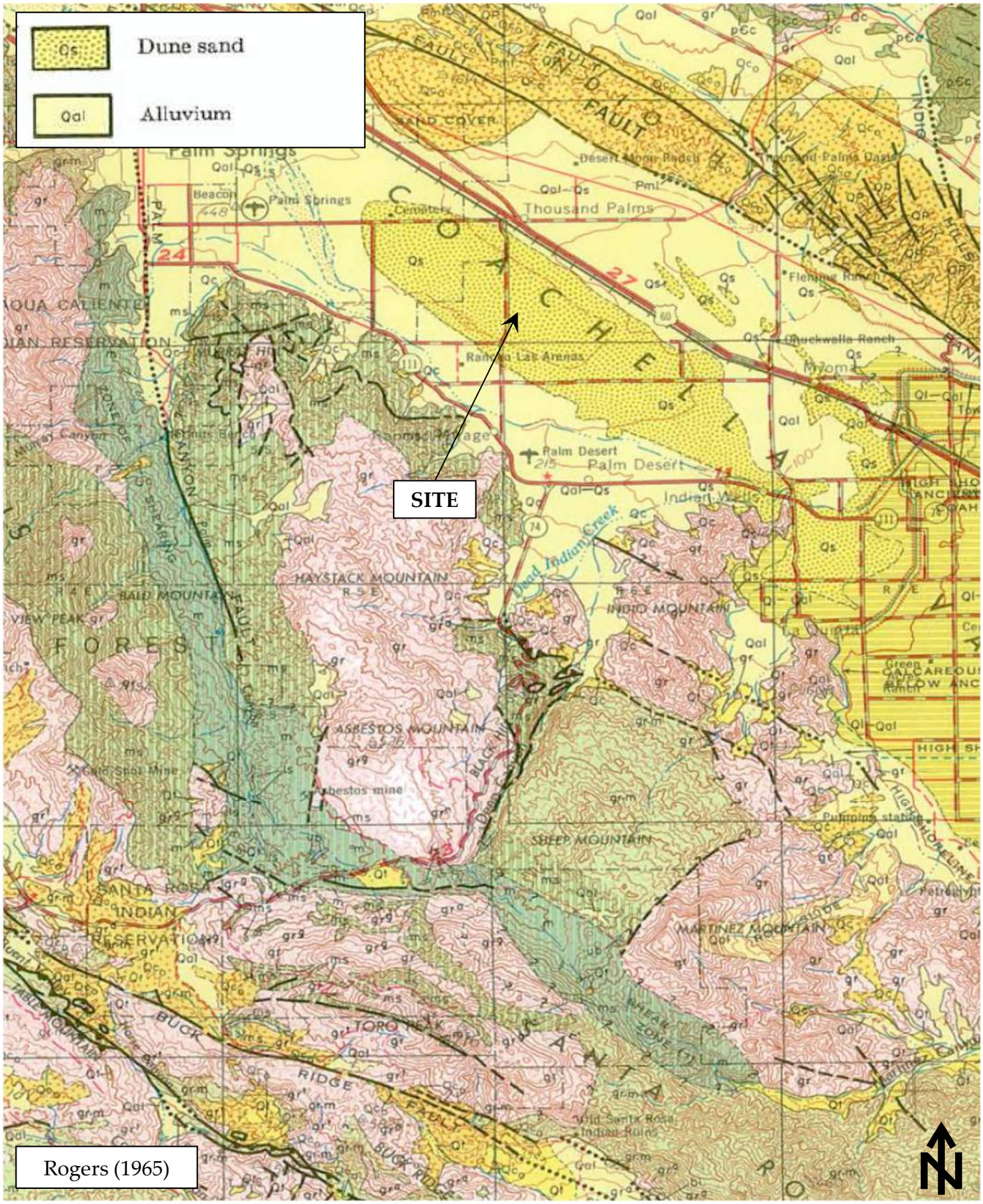
**FIGURES**

SITE LOCATION MAP
REGIONAL GEOLOGIC MAP
EXPLORATION LOCATION MAP
REGIONAL FAULT MAP




USGS (2015)

| | | |
|---|---|---|
| Sladden Engineering | SITE LOCATION MAP | FIGURE 1 |
| | Project Number: 544-23112 | |
| | Report Number: 23-07-368 | |
| | Date: August 28, 2023 | |




| | | |
|---|---|---|
| Sladden Engineering | REGIONAL GEOLOGIC MAP | FIGURE 2 |
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| | Report Number: 23-07-368 | |
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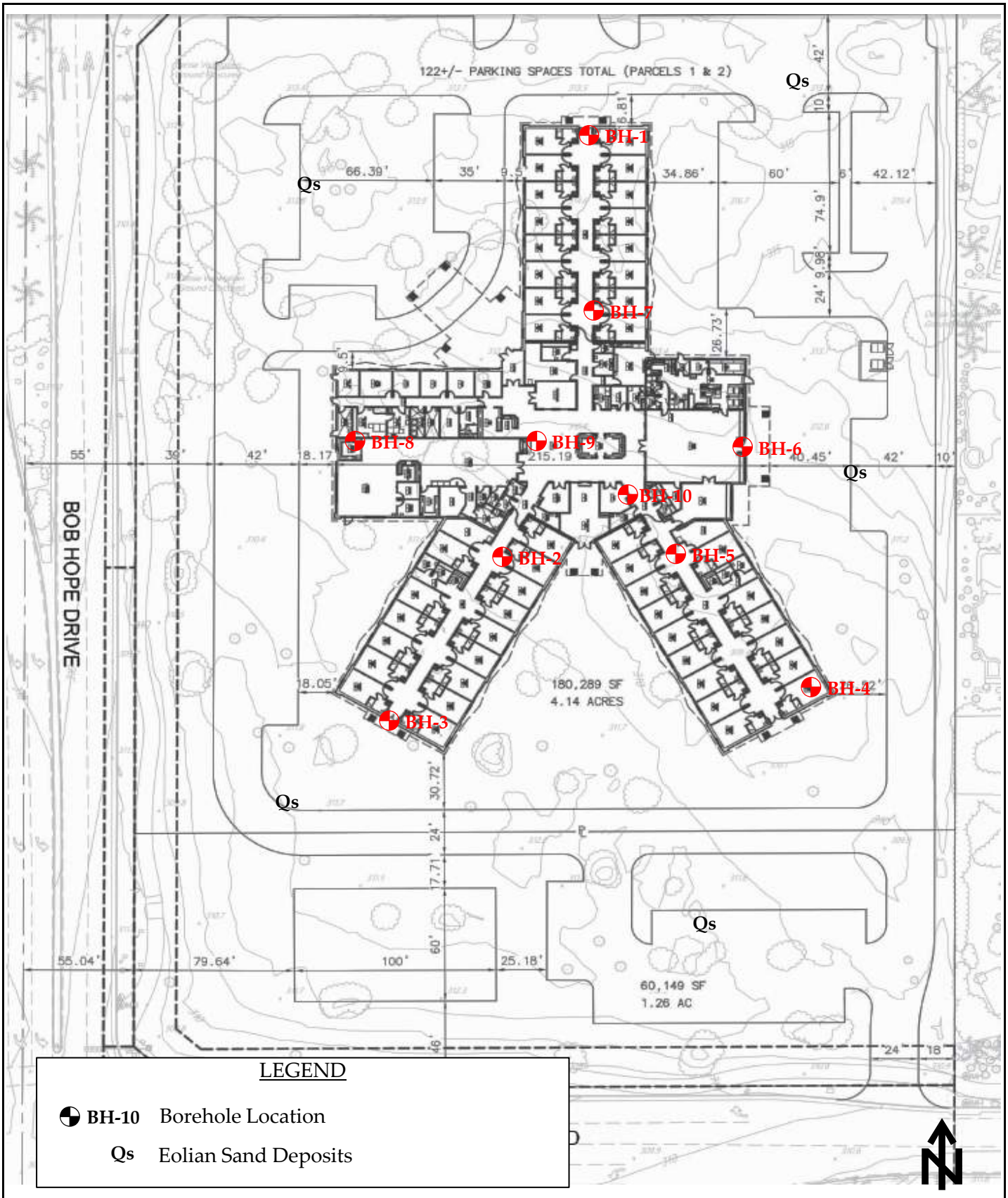
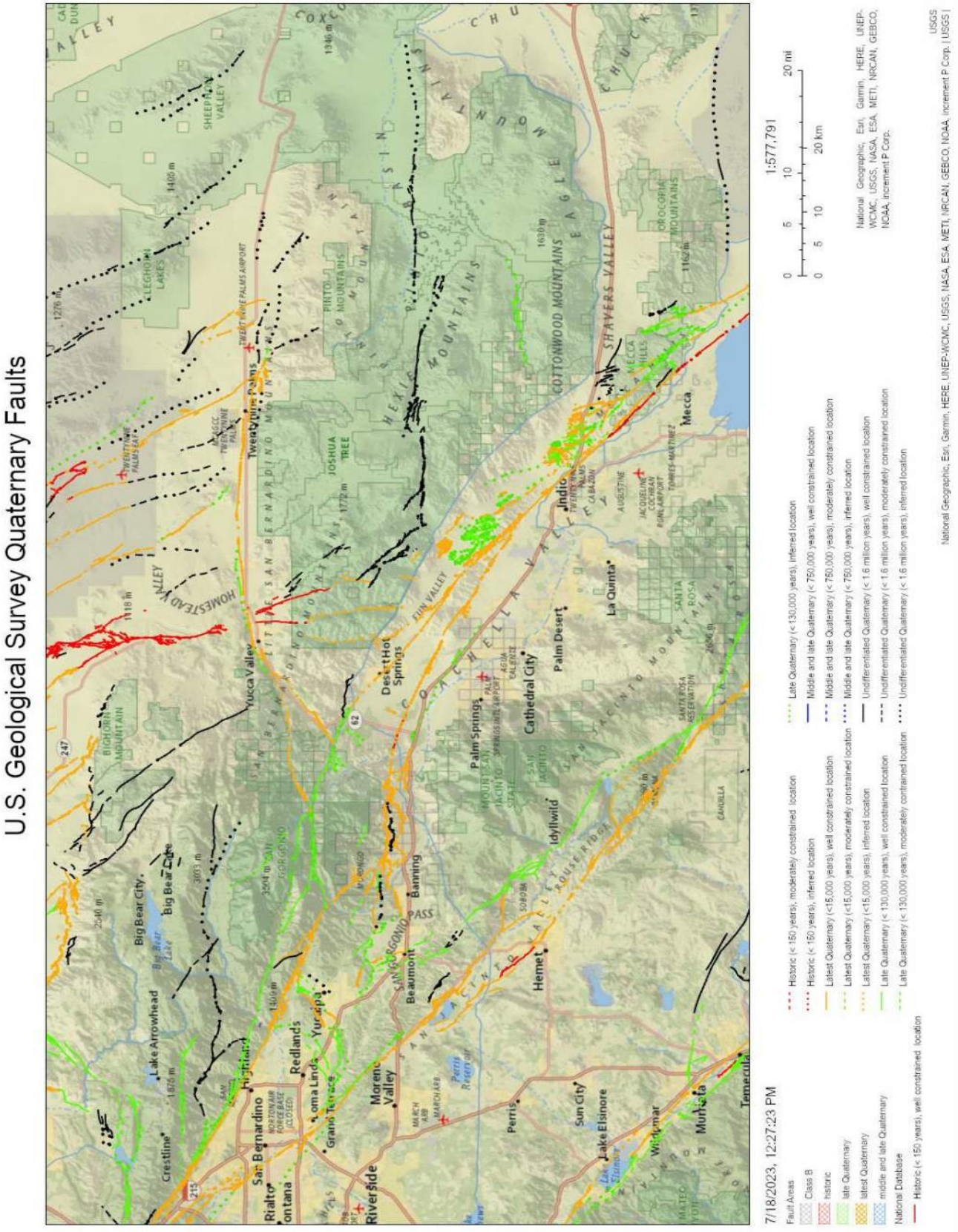


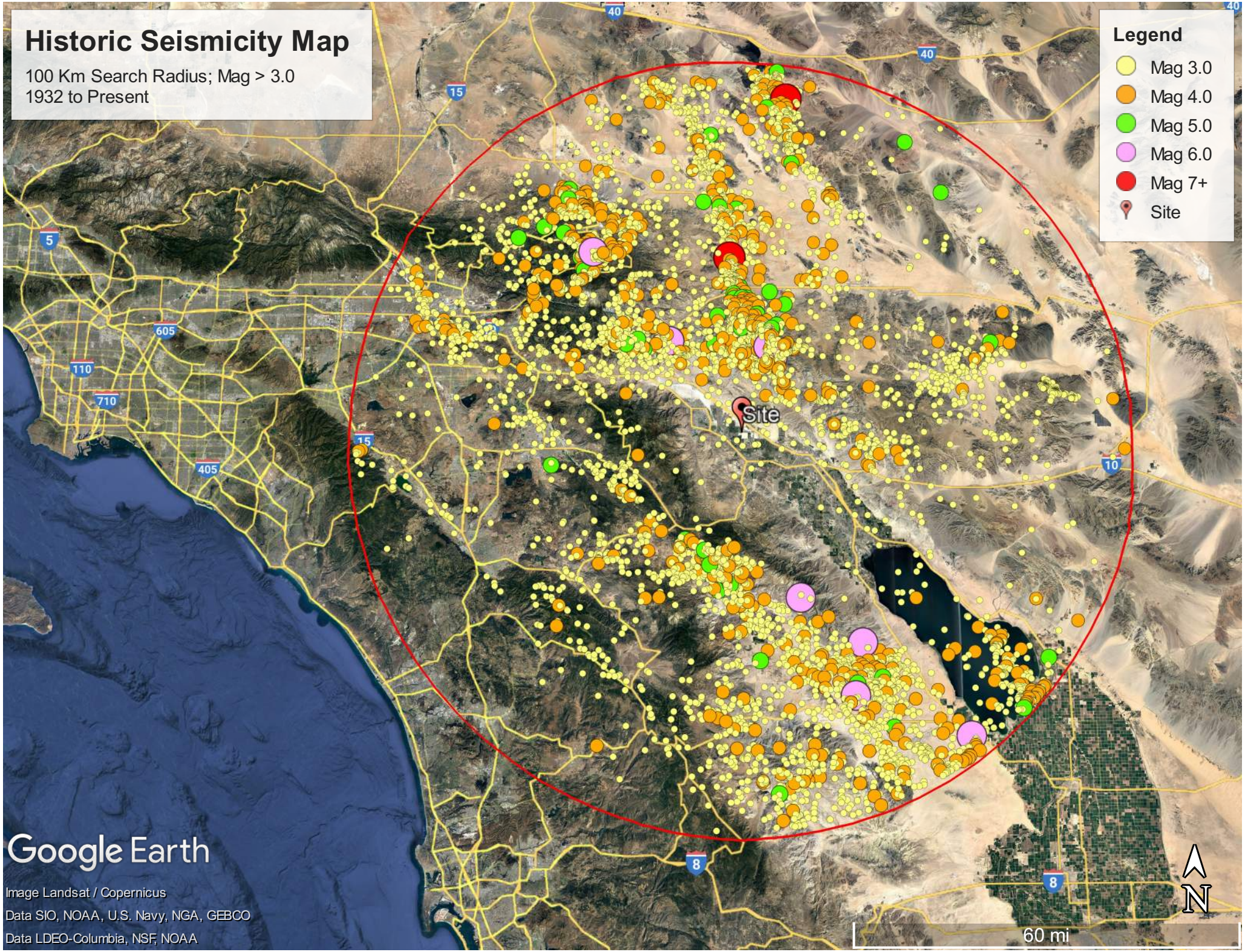

| | | |
|---|---|---|
| Sladden Engineering | EXPLORATION LOCATION PLAN | FIGURE 3 |
| | Project Number: 544-23112 | |
| | Report Number: 23-07-368 | |
| | Date: August 28, 2023 | |




| | | |
|---|---|---|
| Sladden Engineering | REGIONAL FAULT MAP | FIGURE 4 |
| | Project Number: 544-23112 | |
| | Report Number: 23-07-368 | |
| | Date: August 28, 2023 | |

**APPENDIX A**

HISTORIC EARTHQUAKES 1932- PRESENT (MAG ≥ 3.0)


Historic Seismicity Map
100 Km Search Radius; Mag > 3.0
1932 to Present
Legend
Mag 3.0
Mag 4.0
Mag 5.0
Mag 6.0
Mag 7+
Site
Site
Google Earth
Image Landsat / Copernicus
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Data LDEO-Columbia, NSF, NOAA
N
60 mi

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

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**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

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| 2021-08-05T06:51:30.990Z | 33.7553333 | -116.9853333 | 17.42 | 3.12 | ci39764447 |
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| 2021-07-03T09:47:11.730Z | 34.2511667 | -117.0985 | 4.14 | 3.01 | ci39727919 |
| 2021-06-23T20:06:07.180Z | 34.1468333 | -116.4441667 | 5.47 | 3.57 | ci39716639 |
| 2021-06-14T12:28:12.030Z | 33.3551667 | -116.3121667 | 12 | 3.06 | ci39705335 |
| 2021-06-12T08:25:07.770Z | 33.2028333 | -115.6401667 | 1.81 | 3.01 | ci39937032 |
| 2021-06-12T05:55:20.790Z | 33.205 | -115.6605 | 2.78 | 3.79 | ci39936648 |
| 2021-06-12T04:49:38.280Z | 33.206 | -115.656 | 2.62 | 4.06 | ci39936288 |
| 2021-06-12T04:48:44.560Z | 33.2003333 | -115.6555 | 2.94 | 3.35 | ci39936280 |
| 2021-06-12T04:41:38.511Z | 33.2354 | -115.6436 | 8 | 4.1407 | ew1623472898 |
| 2021-06-12T04:41:37.860Z | 33.1956667 | -115.6543333 | 3.12 | 3.61 | ci39936232 |
| 2021-06-12T04:41:20.120Z | 33.2033333 | -115.6575 | 2.99 | 3.02 | ci39936216 |
| 2021-06-12T04:40:23.030Z | 33.2033333 | -115.652 | 2.41 | 3.79 | ci39936208 |
| 2021-06-12T04:39:46.510Z | 33.2066667 | -115.647 | 2.47 | 4.32 | ci39936192 |
| 2021-06-12T04:30:28.490Z | 33.2068333 | -115.6465 | 2.77 | 3.85 | ci39936136 |
| 2021-06-12T04:27:34.880Z | 33.2081667 | -115.6498333 | 2.97 | 3.94 | ci39936128 |
| 2021-06-10T17:10:19.990Z | 33.2246667 | -116.0925 | 8.87 | 3.03 | ci39933160 |
| 2021-06-07T21:24:52.050Z | 33.1583333 | -115.6401667 | 5.46 | 3.61 | ci39928744 |
| 2021-06-07T21:19:11.490Z | 33.1566667 | -115.6398333 | 5.88 | 3.35 | ci39928712 |
| 2021-06-07T21:08:28.590Z | 33.1666667 | -115.64 | 5.34 | 4.08 | ci39928664 |
| 2021-06-07T14:45:22.420Z | 33.1843333 | -115.6373333 | 4.93 | 3.52 | ci39927952 |
| 2021-06-06T11:03:20.960Z | 33.1865 | -115.6363333 | 5.61 | 3.06 | ci39924760 |
| 2021-06-06T10:56:06.560Z | 33.1561667 | -115.6453333 | 5.85 | 3.08 | ci39924744 |
| 2021-06-06T08:05:36.600Z | 33.1855 | -115.6395 | 9.8 | 3.81 | ci39923832 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2021-06-06T05:01:30.600Z | 33.1645 | -115.6446667 | 5.36 | 3.19 | ci39922872 |
| 2021-06-01T21:29:46.490Z | 33.4596667 | -116.8916667 | 12.83 | 3.16 | ci39913520 |
| 2021-05-09T09:09:33.800Z | 34.0265 | -117.2335 | 16.29 | 3.03 | ci39645767 |
| 2021-04-28T10:50:21.900Z | 33.1628333 | -116.3816667 | 7.33 | 3.45 | ci39632647 |
| 2021-04-13T21:35:03.940Z | 33.8063333 | -116.0878333 | 3.03 | 3.54 | ci39849144 |
| 2021-04-10T03:57:58.440Z | 34.1475 | -116.4451667 | 5.88 | 3 | ci39845512 |
| 2021-04-09T00:33:47.080Z | 33.9323333 | -116.7873333 | 14.76 | 3.11 | ci39844112 |
| 2021-04-04T21:14:44.870Z | 33.9661667 | -116.978 | 13.13 | 3.29 | ci39838568 |
| 2021-03-19T18:24:36.600Z | 33.0316667 | -116.442 | 6.61 | 3.07 | ci39585143 |
| 2021-02-22T00:28:10.410Z | 33.9976667 | -116.8083333 | 9.83 | 3.19 | ci39797144 |
| 2020-12-25T20:25:59.070Z | 33.7473333 | -115.9211667 | 3.68 | 3.64 | ci39504023 |
| 2020-12-06T15:17:53.130Z | 33.237 | -116.6693333 | 9.2 | 3.62 | ci39486671 |
| 2020-12-05T05:41:29.460Z | 33.4211667 | -116.9311667 | 8.08 | 3.55 | ci39485527 |
| 2020-11-17T07:19:21.210Z | 34.0711667 | -116.7215 | 5.33 | 3.47 | ci39467983 |
| 2020-11-16T09:28:01.580Z | 34.0433333 | -117.2331667 | 15.06 | 3.41 | ci39466855 |
| 2020-10-20T10:30:46.070Z | 33.0053333 | -116.2895 | 7.14 | 3.44 | ci39669176 |
| 2020-10-07T01:44:04.730Z | 34.3541667 | -116.8266667 | 7.82 | 3.42 | ci39654952 |
| 2020-09-25T17:10:11.370Z | 33.947 | -116.3955 | 3.29 | 3.65 | ci38703802 |
| 2020-09-25T17:07:48.830Z | 33.9491667 | -116.3938333 | 3.42 | 3.02 | ci38703786 |
| 2020-09-21T13:20:38.360Z | 33.701 | -117.4355 | 9.12 | 3.28 | ci38697738 |
| 2020-09-04T14:24:44.100Z | 34.0878333 | -116.8536667 | 1.9 | 3.14 | ci38675450 |
| 2020-08-14T09:05:09.510Z | 33.2693333 | -115.9936667 | 6.97 | 3.2 | ci39344127 |
| 2020-08-11T11:19:57.690Z | 33.2271667 | -115.7018333 | 3.16 | 3.55 | ci39340599 |
| 2020-08-10T19:29:29.720Z | 33.2653333 | -115.6841667 | 2.87 | 4.03 | ci39339191 |
| 2020-08-10T18:58:53.030Z | 33.2513333 | -115.6755 | 3.02 | 3.24 | ci39339095 |
| 2020-08-10T18:53:21.450Z | 33.2653333 | -115.6896667 | 4.42 | 3.21 | ci39339079 |
| 2020-08-10T18:30:05.830Z | 33.2298333 | -115.6925 | 3.67 | 3.49 | ci37452101 |
| 2020-08-10T18:29:59.890Z | 33.228 | -115.6955 | 2.85 | 3.06 | ci39339015 |
| 2020-08-10T17:39:15.940Z | 33.227 | -115.6991667 | 3.26 | 3.51 | ci39338839 |
| 2020-08-10T16:13:56.000Z | 33.232 | -115.6935 | 3.27 | 3.73 | ci39338487 |
| 2020-08-10T16:03:39.160Z | 33.2503333 | -115.688 | 2.31 | 3.95 | ci39338447 |
| 2020-08-10T16:00:13.640Z | 33.255 | -115.6846667 | 1.91 | 3.12 | ci39338423 |
| 2020-08-10T15:58:16.660Z | 33.2436667 | -115.6858333 | 2.4 | 3.01 | ci39338415 |
| 2020-08-10T15:56:14.330Z | 33.2468333 | -115.69 | 2.07 | 4.59 | ci39338407 |
| 2020-08-10T15:55:48.220Z | 33.2506667 | -115.6953333 | 2.52 | 3.54 | ci39338399 |
| 2020-07-15T22:46:18.400Z | 33.0191667 | -116.008 | 10.49 | 3.04 | ci38592114 |
| 2020-07-07T02:34:01.690Z | 33.3456667 | -116.3713333 | 11.36 | 3.15 | ci39282359 |
| 2020-07-06T03:05:16.320Z | 34.6063333 | -116.6376667 | 7.35 | 3.03 | ci39281039 |
| 2020-06-28T22:13:58.510Z | 33.2341667 | -115.6945 | 2.72 | 3.7 | ci39271647 |
| 2020-06-25T19:48:06.100Z | 33.4465 | -116.4313333 | 10.7 | 3.03 | ci39266287 |
| 2020-06-21T09:11:21.980Z | 34.2543333 | -116.4298333 | 2.17 | 3 | ci39488496 |
| 2020-06-07T01:50:59.320Z | 33.1616667 | -116.0031667 | 7.09 | 3.26 | ci39468576 |
| 2020-05-13T01:31:08.080Z | 33.499 | -116.5211667 | 10.16 | 3.15 | ci38491706 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2020-05-12T02:46:47.250Z | 33.0118333 | -116.0231667 | 9.89 | 3.3 | ci38490402 |
| 2020-05-11T16:40:54.560Z | 33.4975 | -116.5041667 | 12.49 | 3.1 | ci38489754 |
| 2020-05-10T22:07:40.370Z | 33.0183333 | -116.0201667 | 10.16 | 4.54 | ci38488354 |
| 2020-05-06T08:27:05.150Z | 33.1843333 | -115.6156667 | 10.62 | 3.87 | ci38482130 |
| 2020-04-09T05:14:50.080Z | 33.5068333 | -116.5321667 | 11.03 | 3.05 | ci39378336 |
| 2020-04-08T01:00:14.260Z | 33.4981667 | -116.5228333 | 10.27 | 3.22 | ci39141967 |
| 2020-04-08T00:35:56.820Z | 33.5006667 | -116.5236667 | 10.28 | 3.27 | ci39141695 |
| 2020-04-08T00:30:49.230Z | 33.4985 | -116.5253333 | 9.98 | 3.54 | ci39141591 |
| 2020-04-06T15:58:14.840Z | 33.577 | -115.9081667 | 8.24 | 3.51 | ci39138119 |
| 2020-04-05T22:37:18.820Z | 33.4961667 | -116.4961667 | 13.25 | 3.5 | ci39135575 |
| 2020-04-05T21:07:44.910Z | 33.5036667 | -116.5278333 | 10.53 | 3.49 | ci39134871 |
| 2020-04-04T05:12:35.150Z | 33.4921667 | -116.5118333 | 9.85 | 3.46 | ci39128103 |
| 2020-04-04T04:07:22.120Z | 33.4913333 | -116.5188333 | 9.62 | 3.6 | ci39127679 |
| 2020-04-04T02:59:23.280Z | 33.5011667 | -116.519 | 10.37 | 3.11 | ci39126951 |
| 2020-04-04T02:05:00.170Z | 33.4946667 | -116.5153333 | 10.28 | 3.66 | ci39126263 |
| 2020-04-04T01:55:35.800Z | 33.4801667 | -116.4903333 | 9.21 | 3.07 | ci39126103 |
| 2020-04-04T01:54:22.570Z | 33.4931667 | -116.505 | 10.31 | 3.76 | ci39126087 |
| 2020-04-04T01:53:18.920Z | 33.4895 | -116.5063333 | 10.45 | 4.87 | ci39126079 |
| 2020-02-02T00:59:50.610Z | 33.5768333 | -116.8171667 | 5.16 | 3.64 | ci39289384 |
| 2019-11-20T06:42:23.430Z | 33.4996667 | -116.4581667 | 5.73 | 3.41 | ci38253786 |
| 2019-11-17T19:04:18.580Z | 33.1606667 | -115.653 | 2.42 | 3.34 | ci38249218 |
| 2019-11-10T23:18:12.020Z | 33.8688333 | -116.1965 | 8.09 | 3.11 | ci38237026 |
| 2019-11-10T22:07:59.490Z | 33.8683333 | -116.1958333 | 8.2 | 3.47 | ci38236850 |
| 2019-11-10T09:44:43.310Z | 33.9155 | -116.7265 | 16.13 | 3.36 | ci38235954 |
| 2019-11-09T10:59:10.960Z | 33.2538333 | -115.9995 | 8.71 | 3.18 | ci38233930 |
| 2019-10-29T16:21:32.590Z | 33.2281667 | -116.7433333 | 10.21 | 3.6 | ci38922103 |
| 2019-10-19T00:56:36.580Z | 33.8926667 | -116.6305 | 14.93 | 3.04 | ci38906511 |
| 2019-09-20T09:47:43.250Z | 33.3193333 | -116.4203333 | 8.36 | 3.13 | ci38847735 |
| 2019-09-19T09:59:46.580Z | 33.3596667 | -115.788 | 3.21 | 3.63 | ci38845903 |
| 2019-09-16T18:11:51.690Z | 33.3618333 | -115.789 | 3.1 | 3.77 | ci38840159 |
| 2019-09-10T20:21:49.840Z | 33.594 | -117.27 | 13.69 | 3.96 | ci38824959 |
| 2019-09-04T00:18:46.170Z | 34.0056667 | -116.7643333 | 13.3 | 3.41 | ci39040408 |
| 2019-09-02T04:05:04.610Z | 33.649 | -117.3335 | 5.73 | 3.19 | ci39034704 |
| 2019-08-21T06:50:41.210Z | 34.0126667 | -116.7518333 | 17.33 | 3.23 | ci38991056 |
| 2019-07-22T16:26:56.070Z | 33.9966667 | -116.045 | 8.23 | 4.2 | ci38624623 |
| 2019-07-20T18:14:55.960Z | 33.3113333 | -116.2551667 | 11.65 | 3.14 | ci38612127 |
| 2019-07-19T18:40:14.930Z | 33.4535 | -116.5753333 | 10.99 | 3.6 | ci38605615 |
| 2019-07-19T00:57:28.830Z | 33.3098333 | -116.2568333 | 11.54 | 3.15 | ci38600223 |
| 2019-06-13T12:38:30.650Z | 33.9396667 | -116.6745 | 17.3 | 3.03 | ci38639944 |
| 2019-06-04T04:34:02.560Z | 33.9556667 | -116.8233333 | 15.6 | 3.2 | ci38621152 |
| 2019-06-02T20:04:55.500Z | 33.8401667 | -117.0968333 | 10.84 | 3.06 | ci38617824 |
| 2019-05-08T16:14:59.220Z | 33.2133333 | -116.0665 | 10.63 | 3.48 | ci38351319 |
| 2019-04-29T00:13:14.280Z | 33.315 | -116.4198333 | 8.21 | 3.31 | ci38337167 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2019-04-11T13:05:29.520Z | 34.1106667 | -117.3161667 | 16.15 | 3.4 | ci38542824 |
| 2019-03-18T08:55:42.130Z | 33.5206667 | -116.5723333 | 2.04 | 3.11 | ci38273775 |
| 2019-03-09T15:50:32.990Z | 33.126 | -115.9986667 | 10.87 | 3 | ci38261727 |
| 2019-02-26T13:58:15.710Z | 33.2258333 | -116.7473333 | 10.23 | 3.26 | ci38474552 |
| 2019-02-13T07:38:43.600Z | 33.4888333 | -116.8013333 | 6.18 | 3 | ci37530082 |
| 2019-02-10T17:12:23.980Z | 33.705 | -116.8305 | 16.78 | 3.39 | ci37527826 |
| 2019-01-30T08:00:48.260Z | 34.0281667 | -117.2295 | 16.5 | 3.2 | ci38211423 |
| 2019-01-30T02:40:12.280Z | 34.4076667 | -116.8918333 | 1.86 | 3.56 | ci38211175 |
| 2019-01-17T13:38:40.810Z | 33.1631667 | -115.6445 | 2.89 | 3.08 | ci38195471 |
| 2019-01-09T06:04:52.780Z | 33.1211667 | -116.0593333 | 3.7 | 3.04 | ci38420072 |
| 2019-01-03T03:32:13.770Z | 33.4996667 | -116.8078333 | 2.57 | 3.1 | ci38414776 |
| 2018-12-27T01:14:59.950Z | 34.4076667 | -116.892 | 1.56 | 3.41 | ci38407640 |
| 2018-12-20T20:18:22.940Z | 33.4813333 | -116.799 | 4.07 | 3.52 | ci38401064 |
| 2018-12-04T22:06:55.200Z | 33.4848333 | -116.8036667 | 1.26 | 3.23 | ci38385480 |
| 2018-12-03T22:44:56.920Z | 33.4906667 | -116.8038333 | 2.42 | 3.1 | ci38152023 |
| 2018-11-29T13:48:53.480Z | 33.014 | -115.9866667 | 10.64 | 3.91 | ci38148759 |
| 2018-11-15T06:40:26.220Z | 33.157 | -115.636 | 3.26 | 3.45 | ci38133927 |
| 2018-11-09T14:58:09.270Z | 33.4853333 | -116.8048333 | 1.43 | 3.78 | ci38355456 |
| 2018-11-09T14:45:50.680Z | 33.4835 | -116.8021667 | 2.05 | 3.7 | ci38355352 |
| 2018-11-08T17:16:50.040Z | 33.7793333 | -116.1338333 | 7.87 | 3.2 | ci38354328 |
| 2018-10-17T22:09:19.450Z | 33.7963333 | -116.9673333 | 14.14 | 3.13 | ci37396426 |
| 2018-10-13T23:57:42.630Z | 33.4898333 | -116.8038333 | 2.84 | 3.3 | ci37389194 |
| 2018-10-01T17:56:19.620Z | 34.0013333 | -117.0173333 | 15.87 | 3.48 | ci37376114 |
| 2018-09-30T14:41:29.510Z | 34.002 | -117.0178333 | 16.33 | 3.61 | ci37374890 |
| 2018-09-20T12:44:34.520Z | 34.1016667 | -117.31 | 15.89 | 3.43 | ci37361730 |
| 2018-09-08T05:39:35.140Z | 34.4358333 | -116.899 | 2.5 | 3 | ci38052575 |
| 2018-09-07T10:45:38.640Z | 33.4828333 | -116.8026667 | 1.94 | 3.21 | ci38050879 |
| 2018-09-01T16:50:29.340Z | 33.4878333 | -116.8065 | 2.28 | 3.13 | ci38043999 |
| 2018-08-27T19:37:27.430Z | 33.8978333 | -116.2145 | 7.18 | 3.03 | ci38260864 |
| 2018-08-20T15:44:54.800Z | 33.4875 | -116.8061667 | 2.12 | 3.13 | ci38253816 |
| 2018-08-18T16:02:05.100Z | 34.2986667 | -116.9341667 | 3.98 | 3.16 | ci38252192 |
| 2018-08-15T01:24:26.310Z | 33.4771667 | -116.8033333 | 1.89 | 4.41 | ci38245496 |
| 2018-08-04T13:48:49.310Z | 33.9323333 | -116.8278333 | 6.18 | 3.13 | ci38237088 |
| 2018-07-26T18:46:42.410Z | 34.0036667 | -117.0195 | 16.03 | 3.06 | ci38230752 |
| 2018-07-23T13:40:34.800Z | 33.9305 | -116.8238333 | 5.97 | 3.03 | ci38228176 |
| 2018-06-08T20:53:48.350Z | 34.1145 | -116.9236667 | 3.96 | 3.41 | ci38193896 |
| 2018-05-30T19:22:05.300Z | 33.9241667 | -116.3225 | 8.74 | 3.77 | ci37952751 |
| 2018-05-19T19:26:51.100Z | 33.4958333 | -116.8083333 | 2.62 | 3.45 | ci37944431 |
| 2018-05-13T14:33:23.800Z | 33.0448333 | -115.9288333 | 1.35 | 3.25 | ci38172320 |
| 2018-05-13T12:05:47.300Z | 33.056 | -115.9193333 | 1.51 | 3.52 | ci38172104 |
| 2018-05-13T00:48:06.820Z | 33.043 | -115.9193333 | 2.16 | 3.41 | ci38171808 |
| 2018-05-13T00:37:11.100Z | 33.048 | -115.9243333 | 1.94 | 3.19 | ci38171784 |
| 2018-05-13T00:35:03.450Z | 33.0406667 | -115.9205 | 2.66 | 3.69 | ci37186460 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2018-05-13T00:34:57.630Z | 33.0446667 | -115.9178333 | 6.62 | 3.49 | ci38171768 |
| 2018-05-13T00:28:56.720Z | 33.0478333 | -115.9186667 | 2.27 | 3.46 | ci38171760 |
| 2018-05-08T11:51:53.440Z | 34.0176667 | -116.8003333 | 12.66 | 3.2 | ci38167864 |
| 2018-05-08T11:49:34.020Z | 34.016 | -116.7798333 | 12.89 | 4.49 | ci38167848 |
| 2018-04-26T01:36:00.560Z | 33.3796667 | -116.2983333 | 13.95 | 3.94 | ci37924223 |
| 2018-04-25T16:52:07.860Z | 33.977 | -117.2155 | 14.18 | 3.17 | ci37923679 |
| 2018-04-23T00:46:08.900Z | 33.921 | -116.3216667 | 8.25 | 3.87 | ci37920791 |
| 2018-04-02T02:53:54.670Z | 33.4925 | -116.8045 | 2.91 | 3.37 | ci37904927 |
| 2018-03-16T04:08:01.540Z | 33.9563333 | -116.3191667 | 8.31 | 3.09 | ci37894911 |
| 2018-03-11T12:45:22.130Z | 33.1778333 | -116.0291667 | 8.9 | 3.56 | ci37892055 |
| 2018-02-26T18:44:41.990Z | 33.4825 | -116.5036667 | 12.59 | 3.66 | ci38116288 |
| 2018-02-15T01:47:35.580Z | 34.0448333 | -117.14 | 13.38 | 3.34 | ci38109080 |
| 2018-02-11T09:02:30.140Z | 33.6528333 | -117.3418333 | 3.71 | 3.52 | ci38106152 |
| 2018-01-13T06:26:58.400Z | 33.1141667 | -116.0738333 | 11.53 | 3.59 | ci38086512 |
| 2017-12-30T12:15:25.490Z | 34.3155 | -116.8506667 | 1.53 | 3.22 | ci37841791 |
| 2017-12-09T20:45:24.130Z | 33.4986667 | -116.8006667 | 5.29 | 3.48 | ci37826343 |
| 2017-12-09T02:51:24.810Z | 33.1431667 | -116.475 | 10.2 | 3.03 | ci37825847 |
| 2017-12-07T10:32:47.160Z | 33.147 | -116.4781667 | 10.99 | 3.53 | ci37824735 |
| 2017-12-07T03:57:38.180Z | 33.1501667 | -116.4795 | 11.38 | 3.57 | ci37824367 |
| 2017-12-07T00:38:03.300Z | 33.15 | -116.4816667 | 11.07 | 3 | ci37824111 |
| 2017-12-07T00:33:15.330Z | 33.1478333 | -116.4791667 | 11.14 | 3.96 | ci37824087 |
| 2017-11-10T00:23:30.180Z | 33.462 | -116.4666667 | 7.44 | 3.52 | ci37808311 |
| 2017-11-09T03:28:28.240Z | 33.4638333 | -116.4701667 | 7.62 | 3.1 | ci38039592 |
| 2017-10-18T10:06:00.220Z | 33.1355 | -116.6601667 | 2.67 | 3.44 | ci38027432 |
| 2017-10-17T12:05:40.980Z | 33.1341667 | -116.6556667 | 2.73 | 3.07 | ci38026664 |
| 2017-09-16T04:39:26.220Z | 33.9745 | -116.9263333 | 5.92 | 3.03 | ci37764071 |
| 2017-09-13T21:59:42.500Z | 33.9753333 | -116.276 | 3.91 | 3.26 | ci37762351 |
| 2017-08-22T08:12:34.170Z | 33.9578333 | -116.6705 | 15.97 | 3.2 | ci37979928 |
| 2017-08-17T14:10:55.050Z | 33.9933333 | -116.8011667 | 16.81 | 3.14 | ci37976120 |
| 2017-08-14T11:11:02.360Z | 34.286 | -117.0581667 | 7.7 | 3.21 | ci37734479 |
| 2017-08-09T20:40:50.170Z | 34.2396667 | -116.8856667 | 7.65 | 3.49 | ci37730031 |
| 2017-07-26T19:43:57.700Z | 33.1646667 | -115.6463333 | 3.28 | 3.6 | ci37713463 |
| 2017-07-26T19:08:42.550Z | 33.1666667 | -115.6446667 | 3.21 | 3.32 | ci37713415 |
| 2017-06-25T13:53:24.760Z | 34.001 | -116.9018333 | 13.94 | 3.53 | ci37917624 |
| 2017-06-18T15:14:12.060Z | 33.6761667 | -116.7606667 | 15.92 | 3.18 | ci37912624 |
| 2017-06-07T07:12:35.610Z | 33.8818333 | -116.7988333 | 15.38 | 3.37 | ci37160164 |
| 2017-06-07T07:12:33.670Z | 33.8763333 | -116.8093333 | 16.41 | 3.23 | ci37663687 |
| 2017-05-29T19:00:56.330Z | 33.5825 | -116.6376667 | 14.26 | 3.15 | ci37656607 |
| 2017-05-15T18:43:08.110Z | 34.2271667 | -116.743 | 0.57 | 3.58 | ci37646015 |
| 2017-05-03T15:44:55.600Z | 33.4838333 | -116.801 | 3.27 | 3.37 | ci37638895 |
| 2017-04-23T01:47:45.150Z | 33.3735 | -116.2848333 | 13.64 | 3.01 | ci37864616 |
| 2017-04-20T14:54:54.830Z | 34.2478333 | -116.8361667 | -1.07 | 3.1 | ci37862576 |
| 2017-04-14T14:14:34.660Z | 34.0396667 | -117.2405 | 18.23 | 3.11 | ci37857344 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
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| 2017-04-14T10:38:27.740Z | 33.0375 | -116.4466667 | 5.73 | 3.18 | ci37857232 |
| 2017-04-07T06:20:47.760Z | 34.0953333 | -116.4025 | 8.88 | 3 | ci37851280 |
| 2017-03-26T08:25:44.690Z | 33.2191667 | -116.0825 | 13.36 | 3.54 | ci37612599 |
| 2017-03-18T21:17:44.460Z | 34.0401667 | -117.2375 | 17.71 | 3.49 | ci37607311 |
| 2017-03-17T21:54:25.470Z | 33.1608333 | -115.6328333 | 4.84 | 3.09 | ci37606335 |
| 2017-03-14T17:14:05.580Z | 33.239 | -116.0535 | 5.15 | 3.61 | ci37829080 |
| 2017-03-14T05:06:54.460Z | 34.0388333 | -117.2386667 | 17.64 | 3.61 | ci37828544 |
| 2017-03-02T07:31:19.440Z | 34.058 | -117.0008333 | 12.76 | 3.1 | ci37816704 |
| 2017-03-01T20:18:39.150Z | 33.1341667 | -115.8621667 | 11.51 | 3.61 | ci37816152 |
| 2017-02-10T10:10:32.620Z | 34.1305 | -117.046 | 9.67 | 3.44 | ci37580807 |
| 2017-01-04T06:48:42.820Z | 33.0683333 | -116.0645 | 13.73 | 3.03 | ci37780256 |
| 2016-12-28T17:56:59.830Z | 34.1513333 | -116.7071667 | 10.92 | 3.92 | ci37772688 |
| 2016-12-20T20:11:04.420Z | 33.2233333 | -116.0878333 | 11 | 3.15 | ci37768032 |
| 2016-10-24T01:12:32.830Z | 33.2488333 | -116.4145 | 4.95 | 3.31 | ci37510559 |
| 2016-10-08T22:43:49.150Z | 34.0075 | -117.2521667 | 14.11 | 3.74 | ci37713424 |
| 2016-10-05T14:11:30.240Z | 33.1601667 | -115.6421667 | 2.93 | 3.02 | ci37710608 |
| 2016-10-05T13:47:47.380Z | 33.1595 | -115.6416667 | 3 | 3.4 | ci37710576 |
| 2016-09-29T18:07:59.280Z | 33.2873333 | -115.7248333 | 4.83 | 3.21 | ci37705744 |
| 2016-09-28T02:33:50.330Z | 33.2973333 | -115.7166667 | 6.9 | 3.27 | ci37703656 |
| 2016-09-28T01:13:03.710Z | 33.2988333 | -115.7053333 | 6.85 | 3.49 | ci37703552 |
| 2016-09-28T01:05:51.190Z | 33.2986667 | -115.7118333 | 7.03 | 3.64 | ci37703504 |
| 2016-09-27T05:52:50.520Z | 33.2906667 | -115.711 | 6.74 | 3.18 | ci37702144 |
| 2016-09-27T03:46:30.410Z | 33.308 | -115.6973333 | 3.1 | 3.46 | ci37701656 |
| 2016-09-27T03:39:40.620Z | 33.3091667 | -115.6933333 | 2.54 | 3.39 | ci37701640 |
| 2016-09-27T03:36:15.240Z | 33.3058333 | -115.701 | 2.52 | 4.13 | ci37701632 |
| 2016-09-27T03:25:06.150Z | 33.2905 | -115.7118333 | 5.03 | 3.27 | ci37701552 |
| 2016-09-27T03:24:44.710Z | 33.3026667 | -115.6945 | 1.85 | 3.11 | ci37147076 |
| 2016-09-27T03:23:58.150Z | 33.2998333 | -115.7123333 | 4.84 | 4.33 | ci37701544 |
| 2016-09-27T03:06:14.250Z | 33.2971667 | -115.716 | 2.99 | 3.33 | ci37701512 |
| 2016-09-26T23:34:01.180Z | 33.2951667 | -115.7065 | 5.63 | 3.03 | ci37382749 |
| 2016-09-26T23:33:37.160Z | 33.2958333 | -115.7056667 | 3.23 | 3.2 | ci37701312 |
| 2016-09-26T15:48:40.110Z | 33.2958333 | -115.7153333 | 2.47 | 3.18 | ci37382677 |
| 2016-09-26T15:47:28.670Z | 33.2925 | -115.7216667 | 2.74 | 3.08 | ci37700544 |
| 2016-09-26T14:31:08.040Z | 33.2976667 | -115.7136667 | 2.2 | 4.32 | ci37700296 |
| 2016-09-26T13:14:19.430Z | 33.2921667 | -115.7136667 | 4.34 | 3.26 | ci37700208 |
| 2016-09-24T09:11:14.460Z | 33.991 | -116.3896667 | 8.65 | 3.43 | ci37698568 |
| 2016-09-02T15:42:14.610Z | 34.0831667 | -116.7145 | 10.69 | 3.12 | ci37467503 |
| 2016-08-31T07:04:14.250Z | 33.267 | -116.1146667 | 3.09 | 3.13 | ci37677128 |
| 2016-08-30T14:25:10.810Z | 34.4195 | -116.5495 | 8.06 | 3.43 | ci37676560 |
| 2016-08-21T20:09:17.840Z | 33.1588333 | -115.6375 | 5.52 | 3.13 | ci37667584 |
| 2016-08-15T21:02:16.440Z | 33.9803333 | -116.7178333 | 11.53 | 3.32 | ci37446943 |
| 2016-08-06T14:39:18.710Z | 33.1676667 | -116.4206667 | 13.76 | 3.39 | ci37437039 |
| 2016-07-30T17:22:28.540Z | 33.196 | -116.6825 | 11.85 | 3.19 | ci37643624 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2016-06-20T04:21:14.710Z | 34.3051667 | -116.9191667 | 1.4 | 3.08 | ci37392719 |
| 2016-06-17T13:39:59.470Z | 34.2021667 | -116.8313333 | 7 | 3.07 | ci37389823 |
| 2016-06-16T17:02:02.530Z | 34.0723333 | -116.3785 | 2.43 | 3.53 | ci37389015 |
| 2016-06-11T01:40:30.950Z | 33.4598333 | -116.4883333 | 10.81 | 3.04 | ci37380967 |
| 2016-06-10T11:14:11.970Z | 33.4593333 | -116.4243333 | 11.2 | 3.46 | ci37377079 |
| 2016-06-10T08:46:46.320Z | 33.4578333 | -116.4643333 | 11.87 | 3.1 | ci37375391 |
| 2016-06-10T08:33:57.320Z | 33.4323333 | -116.4538333 | 11.43 | 3.17 | ci37375143 |
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| 2016-06-10T08:04:38.700Z | 33.4315 | -116.4426667 | 12.31 | 5.19 | ci37374687 |
| 2016-06-02T23:06:15.930Z | 34.1796667 | -117.2931667 | 8.68 | 3.14 | ci37367951 |
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| 2016-02-16T09:24:20.700Z | 34.3026667 | -116.8633333 | 3.14 | 3.87 | ci37524376 |
| 2016-02-14T09:01:09.740Z | 33.8916667 | -117.1176667 | 13.61 | 3.43 | ci37523696 |
| 2016-01-09T11:43:10.820Z | 33.6605 | -116.7736667 | 13.63 | 3.3 | ci37511280 |
| 2016-01-06T14:42:34.880Z | 33.9585 | -116.8883333 | 16.67 | 4.39 | ci37510616 |
| 2015-12-19T01:45:47.170Z | 33.8371667 | -117.0478333 | 13.88 | 3.05 | ci37286351 |
| 2015-12-18T00:21:00.930Z | 33.2561667 | -115.7183333 | 3.33 | 3.6 | ci37285815 |
| 2015-12-10T08:17:33.340Z | 34.3206667 | -116.8531667 | 3.51 | 3.01 | ci37500544 |
| 2015-12-07T14:06:09.640Z | 34.0721667 | -116.671 | 10.46 | 3.32 | ci37499408 |
| 2015-12-02T23:27:36.030Z | 33.0265 | -116.4338333 | 6.89 | 3.29 | ci37280407 |
| 2015-11-27T01:21:28.040Z | 33.792 | -116.1033333 | 6.62 | 3.01 | ci37278167 |
| 2015-10-17T02:31:59.940Z | 34.1191667 | -116.9125 | 7.23 | 3.31 | ci37476904 |
| 2015-10-16T05:29:51.210Z | 33.2711667 | -116.7896667 | 8.53 | 3.19 | ci37476536 |
| 2015-10-14T13:55:29.960Z | 34.197 | -116.9068333 | 10.11 | 3.47 | ci37475560 |
| 2015-09-16T16:10:47.340Z | 34.1371667 | -116.858 | 9.55 | 4 | ci37243591 |
| 2015-08-04T03:40:59.590Z | 34.4565 | -116.461 | 2.79 | 3.21 | ci37219951 |
| 2015-06-09T21:58:41.530Z | 33.778 | -115.7006667 | 9.949 | 3.83 | ci37396400 |
| 2015-05-31T13:02:56.460Z | 33.3135 | -116.2816667 | 12.769 | 3.59 | ci37390968 |
| 2015-05-30T05:23:56.720Z | 33.8766667 | -116.1425 | 7.04 | 3.7 | ci37390168 |
| 2015-05-21T05:06:12.800Z | 33.163 | -115.6468333 | 3.39 | 3.33 | ci37166303 |
| 2015-05-21T03:51:01.850Z | 33.1596667 | -115.6483333 | 3.16 | 3.28 | ci37166175 |
| 2015-05-21T03:15:29.690Z | 33.1621667 | -115.6425 | 5.74 | 4.1 | ci37166079 |
| 2015-05-06T07:39:46.970Z | 33.8128333 | -116.9795 | 14.86 | 3.72 | ci37375632 |
| 2015-04-19T04:35:45.650Z | 34.0161667 | -116.4375 | 0.006 | 3.15 | ci37147927 |
| 2015-03-27T15:36:57.470Z | 33.9298333 | -116.032 | 1.214 | 3.67 | ci37350736 |
| 2015-03-14T11:52:19.750Z | 34.5771667 | -116.268 | 1.059 | 3.2 | ci37338184 |
| 2015-02-26T01:18:37.470Z | 33.9376667 | -116.0285 | 3.176 | 3.67 | ci37103367 |
| 2015-02-07T14:05:58.270Z | 33.2986667 | -116.2815 | 13.162 | 3.28 | ci37313832 |
| 2015-01-25T18:10:17.830Z | 32.9708333 | -116.4248333 | 7.877 | 3.2 | ci37308936 |
| 2015-01-18T13:23:43.010Z | 33.3383333 | -116.3316667 | 12.289 | 3.68 | ci37306536 |
| 2014-12-24T05:51:51.440Z | 33.1851667 | -115.6085 | 1.387 | 4.19 | ci37298672 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
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| 2014-12-23T07:59:01.450Z | 34.0175 | -117.228 | 15.909 | 3.06 | ci37298432 |
| 2014-12-04T16:53:21.190Z | 33.9631667 | -116.6346667 | 14.651 | 3.56 | ci37066415 |
| 2014-11-03T08:53:35.480Z | 34.0175 | -117.2323333 | 17.149 | 3.29 | ci37284704 |
| 2014-10-25T11:07:36.140Z | 34.2836667 | -117.0356667 | 11.351 | 3.05 | ci37282232 |
| 2014-10-12T20:16:04.340Z | 34.0331667 | -116.3168333 | 8.628 | 3.3 | ci37278432 |
| 2014-10-11T21:02:44.800Z | 34.0338333 | -116.6503333 | 11.085 | 3.16 | ci37278104 |
| 2014-09-14T22:16:55.710Z | 33.7958333 | -116.9635 | 12.184 | 3.04 | ci37268056 |
| 2014-09-09T16:08:30.990Z | 33.78 | -116.1178333 | 5.721 | 3.34 | ci37266216 |
| 2014-09-03T02:38:35.880Z | 33.7988333 | -116.964 | 13.127 | 3.64 | ci37264024 |
| 2014-08-18T04:55:56.780Z | 34.3303333 | -116.8301667 | 5.943 | 3.67 | ci37259096 |
| 2014-08-15T03:57:18.800Z | 34.3018333 | -116.4428333 | 8.737 | 3.8 | ci15538561 |
| 2014-08-07T21:45:53.770Z | 33.4835 | -116.47 | 13.298 | 3.25 | ci15535825 |
| 2014-07-24T19:20:14.640Z | 32.9038333 | -116.268 | 8.053 | 3.52 | ci15530681 |
| 2014-07-17T14:24:34.320Z | 33.428 | -116.4253333 | 12.766 | 3.37 | ci15527617 |
| 2014-07-15T06:07:14.190Z | 33.5915 | -115.9128333 | 9.878 | 3.02 | ci15526857 |
| 2014-07-10T20:41:43.650Z | 33.5046667 | -116.507 | 13.904 | 3.22 | ci15524873 |
| 2014-07-09T21:48:04.810Z | 33.2506667 | -115.9816667 | 2.906 | 3.19 | ci15524489 |
| 2014-07-08T12:31:46.080Z | 33.1618333 | -115.647 | 1.938 | 3.2 | ci15523545 |
| 2014-07-07T08:51:05.540Z | 34.2761667 | -117.0258333 | 6.866 | 3.03 | ci15522785 |
| 2014-07-05T17:00:26.490Z | 34.2743333 | -117.0178333 | 8.094 | 3.39 | ci15520993 |
| 2014-07-05T16:59:34.090Z | 34.2823333 | -117.0266667 | 7.25 | 4.58 | ci15520985 |
| 2014-07-03T23:50:27.720Z | 33.1641667 | -115.646 | 1.818 | 3.12 | ci15519497 |
| 2014-05-19T20:08:51.620Z | 34.2533333 | -116.8248333 | 5.531 | 3.84 | ci15503377 |
| 2014-05-09T04:49:33.170Z | 33.9238333 | -116.7273333 | 18.095 | 3.09 | ci15499489 |
| 2014-04-25T19:26:08.760Z | 33.9855 | -115.6631667 | 4.435 | 3.3 | ci37217280 |
| 2014-04-11T23:53:15.190Z | 33.2011667 | -116.0478333 | 8.704 | 3.17 | ci37210760 |
| 2014-03-05T09:17:01.800Z | 33.9296667 | -116.347 | 6.042 | 3.07 | ci15472609 |
| 2014-01-27T12:42:38.020Z | 33.6446667 | -116.7385 | 15.085 | 3.19 | ci11418122 |
| 2013-12-31T09:21:08.640Z | 33.5015 | -116.4773333 | 7.984 | 3.08 | ci11407970 |
| 2013-12-30T23:44:21.440Z | 33.7001667 | -116.7325 | 18.208 | 3.63 | ci11407682 |
| 2013-12-30T18:32:35.080Z | 33.3883333 | -116.3325 | 9.98 | 3.3 | ci11407610 |
| 2013-11-30T15:10:13.180Z | 33.0023333 | -116.4575 | 7.563 | 3.16 | ci11397090 |
| 2013-11-30T11:36:35.770Z | 33.0006667 | -116.457 | 8.813 | 3.19 | ci11397026 |
| 2013-11-11T09:29:20.650Z | 34.018 | -117.2336667 | 16.617 | 3.09 | ci11390322 |
| 2013-10-14T12:39:20.030Z | 33.204 | -115.677 | 0.923 | 3 | ci11377986 |
| 2013-10-14T12:38:23.890Z | 33.2015 | -115.676 | 1.603 | 3.61 | ci11377978 |
| 2013-09-29T08:41:31.650Z | 32.8986667 | -116.2815 | 1.956 | 3.58 | ci11371154 |
| 2013-09-29T00:36:16.520Z | 32.8973333 | -116.2755 | 1.116 | 3.29 | ci11371058 |
| 2013-09-22T13:10:10.500Z | 33.4608333 | -116.6035 | 12.223 | 3.43 | ci11368274 |
| 2013-09-20T06:10:43.370Z | 33.3406667 | -116.3905 | 12.836 | 3.8 | ci11366994 |
| 2013-09-04T04:04:54.020Z | 33.2921667 | -116.4223333 | 13.378 | 3.22 | ci11359338 |
| 2013-08-24T23:25:52.300Z | 34.0113333 | -116.6273333 | 9.315 | 3.01 | ci15396409 |
| 2013-08-22T13:29:23.270Z | 33.4323333 | -117.0886667 | 6.748 | 3.59 | ci15395521 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2013-08-16T03:53:36.550Z | 33.1851667 | -115.9733333 | 2.504 | 3.21 | ci11351394 |
| 2013-07-22T01:59:48.050Z | 33.942 | -116.736 | 17.275 | 3.19 | ci11337786 |
| 2013-06-29T20:25:06.890Z | 33.2491667 | -116.0046667 | 1.839 | 3.29 | ci11328074 |
| 2013-06-28T17:45:48.000Z | 33.6245 | -116.6956667 | 14.381 | 3.41 | ci11327386 |
| 2013-06-24T22:09:33.190Z | 33.739 | -115.9453333 | -0.318 | 3.03 | ci11325466 |
| 2013-06-19T19:11:50.840Z | 34.0093333 | -117.1718333 | 3.912 | 3.09 | ci11321730 |
| 2013-06-03T19:04:10.170Z | 33.232 | -115.6253333 | 2.503 | 3.92 | ci15353521 |
| 2013-06-03T12:43:34.550Z | 33.2335 | -115.6251667 | 1.943 | 3.05 | ci15353321 |
| 2013-05-15T16:20:05.120Z | 33.9795 | -116.767 | 16.491 | 3.12 | ci15343017 |
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| 2013-04-25T18:59:43.990Z | 33.6463333 | -116.7401667 | 15.535 | 3.08 | ci15332633 |
| 2013-04-07T19:14:02.990Z | 33.8023333 | -116.0931667 | 3.317 | 3.49 | ci11281370 |
| 2013-03-27T18:16:59.910Z | 33.4945 | -116.443 | 7.308 | 3.68 | ci11273634 |
| 2013-03-27T17:50:29.130Z | 33.4953333 | -116.4445 | 6.957 | 3.41 | ci11273498 |
| 2013-03-13T04:21:13.690Z | 33.5126667 | -116.475 | 10.237 | 3.42 | ci15302289 |
| 2013-03-11T16:56:57.750Z | 33.508 | -116.4475 | 12.927 | 3 | ci15296289 |
| 2013-03-11T16:56:06.060Z | 33.5008333 | -116.4581667 | 10.943 | 4.7 | ci15296281 |
| 2013-03-04T23:17:40.750Z | 34.0335 | -117.2473333 | 15.892 | 3.47 | ci15293905 |
| 2013-02-26T20:18:49.950Z | 34.0201667 | -117.2205 | 15.895 | 3.56 | ci11249474 |
| 2013-02-21T20:57:39.910Z | 33.2318333 | -116.0563333 | 9.822 | 3.63 | ci11247690 |
| 2013-02-17T17:04:53.140Z | 33.0141667 | -116.311 | 10.225 | 3.36 | ci11245850 |
| 2013-01-17T02:10:02.470Z | 34.0076667 | -117.1298333 | 13.267 | 3.05 | ci15274169 |
| 2012-12-22T21:37:45.140Z | 32.9966667 | -116.2388333 | 7.065 | 4.02 | ci15267105 |
| 2012-12-14T23:34:39.600Z | 33.8841667 | -115.9876667 | 4.393 | 3.49 | ci15263993 |
| 2012-11-27T00:58:32.450Z | 34.3683333 | -117.179 | 6.157 | 3.41 | ci11209170 |
| 2012-11-26T15:33:50.700Z | 33.0036667 | -116.2348333 | 5.628 | 3.57 | ci11208786 |
| 2012-10-28T07:47:03.040Z | 33.6918333 | -116.8131667 | 18.01 | 3.87 | ci15237073 |
| 2012-10-09T13:00:02.220Z | 33.7101667 | -117.3491667 | 12.944 | 3.35 | ci15227017 |
| 2012-10-08T00:39:08.340Z | 33.0123333 | -116.3115 | 10.798 | 4.16 | ci15226257 |
| 2012-09-25T12:02:04.580Z | 33.1588333 | -115.6415 | 4.013 | 3.12 | ci15220681 |
| 2012-09-18T21:09:39.730Z | 33.6938333 | -116.7375 | 18.908 | 3.02 | ci15217865 |
| 2012-09-10T15:44:42.740Z | 33.2796667 | -115.7128333 | 3.438 | 3.25 | ci15213465 |
| 2012-08-26T21:17:26.720Z | 34.175 | -115.608 | 8.9 | 3.9 | usp000jqts |
| 2012-08-26T09:53:13.930Z | 33.8708333 | -116.1966667 | 7.855 | 3.31 | ci15198697 |
| 2012-08-21T02:40:14.310Z | 34.2546667 | -117.0731667 | 2.076 | 3.03 | ci15195785 |
| 2012-08-19T03:43:46.260Z | 33.1675 | -115.98 | 8.436 | 3.4 | ci15194825 |
| 2012-07-22T03:00:37.690Z | 34.0893333 | -116.3923333 | 9.88 | 3.17 | ci15181601 |
| 2012-07-12T17:54:28.820Z | 34.0895 | -116.3913333 | 9.9 | 3.86 | ci11135362 |
| 2012-07-08T10:50:03.130Z | 33.9613333 | -116.1321667 | 6.242 | 3.27 | ci11133514 |
| 2012-07-05T18:18:09.480Z | 34.304 | -116.8415 | 5.699 | 3.51 | ci11132314 |
| 2012-07-04T09:04:43.600Z | 33.3781667 | -116.301 | 13.33 | 3.36 | ci11131698 |
| 2012-06-26T04:22:20.380Z | 34.0615 | -116.3656667 | 6.39 | 3.31 | ci11127274 |
| 2012-06-19T04:01:38.410Z | 33.0751667 | -116.0456667 | 9.816 | 3.25 | ci15166225 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2012-05-21T06:19:58.600Z | 33.476 | -116.4868333 | 13.924 | 3.38 | ci15152625 |
| 2012-05-18T10:37:12.020Z | 33.3195 | -116.4021667 | 6.338 | 3.61 | ci15150785 |
| 2012-05-08T23:55:42.550Z | 34.1596667 | -116.4238333 | 7.049 | 3.16 | ci11104354 |
| 2012-04-24T19:44:09.820Z | 33.7115 | -116.8401667 | 16.754 | 3.31 | ci15139881 |
| 2012-04-22T16:18:33.880Z | 33.3218333 | -116.4023333 | 6.158 | 3.49 | ci15138681 |
| 2012-04-19T11:46:04.340Z | 33.794 | -116.0931667 | 1.38 | 3.04 | ci15137489 |
| 2012-04-12T18:53:01.260Z | 33.4641667 | -116.4663333 | 6.188 | 3.52 | ci11092194 |
| 2012-04-04T01:12:09.080Z | 33.8576667 | -116.1568333 | 1.927 | 3.54 | ci11088434 |
| 2012-04-03T15:15:37.360Z | 33.8575 | -116.1565 | 1.497 | 3.52 | ci11088074 |
| 2012-04-01T08:26:12.670Z | 33.3785 | -116.8525 | 6.71 | 3 | ci11087194 |
| 2012-03-30T06:09:27.350Z | 33.304 | -116.8788333 | 13.889 | 3.26 | ci11086258 |
| 2012-03-28T10:09:53.450Z | 33.0071667 | -116.4498333 | 9.957 | 3.31 | ci11085378 |
| 2012-03-15T06:31:23.240Z | 33.2293333 | -116.1016667 | 11.232 | 3.27 | ci11080154 |
| 2012-03-15T06:30:34.290Z | 33.2281667 | -116.097 | 13.712 | 3.4 | ci11080146 |
| 2012-02-14T13:05:29.300Z | 33.2421667 | -116.2516667 | 4.658 | 3.01 | ci11066957 |
| 2012-01-08T01:59:54.080Z | 33.733 | -116.0571667 | 6.388 | 3.51 | ci11051197 |
| 2012-01-06T16:58:54.040Z | 33.7306667 | -116.0543333 | 4.488 | 3.47 | ci11050541 |
| 2012-01-06T02:47:51.070Z | 34.002 | -116.3371667 | 4.362 | 3.08 | ci11050165 |
| 2011-12-26T12:32:20.430Z | 34.0065 | -116.3231667 | 9.632 | 3.16 | ci11046613 |
| 2011-11-22T14:39:43.520Z | 33.4683333 | -116.5803333 | 8.207 | 3.08 | ci11035389 |
| 2011-11-19T20:32:33.970Z | 33.246 | -116.2615 | 3.798 | 3.33 | ci37011839 |
| 2011-11-19T20:32:21.200Z | 33.2451667 | -116.2651667 | 8.958 | 3.85 | ci11034469 |
| 2011-11-14T04:59:18.120Z | 33.9696667 | -117.2256667 | 11.495 | 3.04 | ci15075388 |
| 2011-11-08T18:27:32.520Z | 32.9133333 | -116.3578333 | 10.343 | 3 | ci15073692 |
| 2011-10-22T21:32:59.390Z | 32.9965 | -116.401 | 9.031 | 3.01 | ci11024109 |
| 2011-10-17T17:33:11.890Z | 32.9966667 | -116.3988333 | 9.091 | 3.06 | ci15064500 |
| 2011-10-05T07:36:19.320Z | 33.4786667 | -116.4543333 | 13.141 | 3.19 | ci15059420 |
| 2011-09-27T20:17:40.230Z | 34.3096667 | -116.9746667 | 3.947 | 3.1 | ci15056420 |
| 2011-09-14T14:44:51.020Z | 33.953 | -117.0758333 | 16.276 | 4.14 | ci11006189 |
| 2011-07-26T17:42:13.270Z | 33.481 | -116.4916667 | 13.304 | 3.09 | ci10982077 |
| 2011-07-15T12:03:11.960Z | 33.7548333 | -116.9336667 | 14.343 | 3.1 | ci15017980 |
| 2011-06-26T08:56:30.230Z | 33.1725 | -115.6515 | 1.443 | 3.08 | ci10964829 |
| 2011-06-17T17:38:51.070Z | 32.998 | -116.3523333 | 7.244 | 3.63 | ci10960933 |
| 2011-06-14T08:25:40.650Z | 33.6903333 | -116.74 | 16.736 | 3.6 | ci15001500 |
| 2011-06-05T13:53:19.590Z | 33.9843333 | -116.5616667 | 11.813 | 3.07 | ci14996388 |
| 2011-06-03T05:45:23.990Z | 33.6355 | -116.732 | 11.589 | 3.11 | ci14995172 |
| 2011-06-02T23:38:52.130Z | 34.2166667 | -116.7526667 | 1.595 | 3.18 | ci14995068 |
| 2011-05-27T23:17:24.730Z | 34.2216667 | -117.0503333 | -0.271 | 3.8 | ci14992276 |
| 2011-04-23T20:49:29.810Z | 33.0208333 | -116.3176667 | 3.684 | 3.59 | ci10931805 |
| 2011-04-15T11:48:56.400Z | 33.4623333 | -116.4506667 | 4.258 | 3 | ci10926101 |
| 2011-04-15T11:47:26.050Z | 33.4618333 | -116.4451667 | 3.468 | 3.19 | ci10926085 |
| 2011-03-31T23:34:03.700Z | 34.3218333 | -116.8375 | 1.256 | 3.08 | ci14960740 |
| 2011-03-29T10:43:24.700Z | 33.2248333 | -116.7566667 | 10.018 | 3.7 | ci14959236 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2011-03-28T04:56:12.000Z | 33.1873333 | -115.6538333 | 3.613 | 3.42 | ci14958332 |
| 2011-03-03T20:17:35.880Z | 34.4681667 | -116.5163333 | 9.177 | 3.42 | ci10902605 |
| 2011-02-12T17:30:43.710Z | 33.7043333 | -116.8318333 | 15.941 | 3.62 | ci10891517 |
| 2011-01-10T11:26:04.790Z | 33.2265 | -116.7725 | 9.868 | 3.11 | ci10871621 |
| 2011-01-03T11:38:12.410Z | 33.8251667 | -116.9856667 | 11.882 | 3.3 | ci10866637 |
| 2011-01-01T01:00:46.850Z | 33.1625 | -115.6375 | 1.573 | 3.16 | ci10865389 |
| 2011-01-01T00:34:10.130Z | 33.1596667 | -115.6445 | 1.813 | 3.52 | ci10865293 |
| 2010-12-30T17:37:20.820Z | 32.9916667 | -116.3546667 | 4.394 | 3.8 | ci10864749 |
| 2010-12-28T02:52:26.530Z | 33.1861667 | -115.6198333 | 4.203 | 3.58 | ci10863557 |
| 2010-12-28T02:38:37.750Z | 33.1883333 | -115.6213333 | 4.223 | 3.78 | ci10863405 |
| 2010-12-23T03:39:35.950Z | 33.3716667 | -116.4246667 | 5.906 | 3.17 | ci10861101 |
| 2010-12-21T11:01:49.630Z | 32.9193333 | -116.2671667 | 12.386 | 3.36 | ci10860557 |
| 2010-12-10T18:44:38.350Z | 33.1393333 | -116.471 | 9.491 | 3.91 | ci14895084 |
| 2010-12-01T19:31:34.430Z | 34.0166667 | -117.2266667 | 16.461 | 3.22 | ci14889324 |
| 2010-11-19T00:56:54.970Z | 33.3883333 | -116.418 | 11.466 | 3.75 | ci14883716 |
| 2010-11-17T23:58:42.940Z | 33.0036667 | -116.4665 | 4.697 | 3.68 | ci14883196 |
| 2010-11-17T09:46:14.540Z | 33.9875 | -117.1586667 | 14.053 | 3.16 | ci10840549 |
| 2010-10-12T06:58:59.270Z | 33.0025 | -116.4678333 | 7.087 | 3.17 | ci14859076 |
| 2010-10-06T17:58:06.870Z | 33.1468333 | -116.4916667 | 3.322 | 3.94 | ci14854812 |
| 2010-08-28T14:13:27.940Z | 33.231 | -115.6385 | 3.133 | 3.26 | ci10787949 |
| 2010-08-27T17:32:47.970Z | 33.2238333 | -115.6298333 | 2.063 | 3.57 | ci10787509 |
| 2010-08-27T10:01:02.720Z | 33.2255 | -115.6425 | 2.063 | 3.17 | ci10787333 |
| 2010-08-21T13:59:45.570Z | 33.8815 | -116.693 | 11.981 | 3.59 | ci10783581 |
| 2010-08-11T20:47:20.270Z | 33.3731667 | -116.4128333 | 8.446 | 3.38 | ci10775845 |
| 2010-08-06T17:39:31.670Z | 33.979 | -116.4431667 | 7.177 | 4.05 | ci10771621 |
| 2010-07-25T21:25:41.400Z | 33.1575 | -116.0053333 | 13.3 | 3.8 | ci10761973 |
| 2010-07-22T10:49:20.800Z | 34.4791667 | -116.2666667 | 7.438 | 3.07 | ci10758749 |
| 2010-07-12T05:50:29.240Z | 33.4778333 | -116.442 | 7.597 | 3.3 | ci10748837 |
| 2010-07-08T02:34:35.980Z | 33.4578333 | -116.4761667 | 11.368 | 3.4 | ci10738357 |
| 2010-07-08T01:07:10.880Z | 33.4451667 | -116.4061667 | 10.868 | 3.01 | ci10737309 |
| 2010-07-07T23:57:23.040Z | 33.391 | -116.4508333 | 12.476 | 3 | ci10736101 |
| 2010-07-07T23:53:33.480Z | 33.4173333 | -116.4746667 | 12.318 | 5.42 | ci10736069 |
| 2010-06-18T15:14:39.980Z | 33.3905 | -116.4166667 | 8.706 | 3.41 | ci10715365 |
| 2010-06-15T16:23:44.430Z | 33.395 | -116.4223333 | 10.106 | 3.04 | ci14749724 |
| 2010-06-13T03:09:20.360Z | 33.392 | -116.3946667 | 4.196 | 4.23 | ci10701413 |
| 2010-06-13T03:08:57.090Z | 33.3833333 | -116.4158333 | 11.156 | 4.45 | ci10701405 |
| 2010-06-07T20:41:36.510Z | 34.3168333 | -116.8466667 | 0.059 | 3.22 | ci14738076 |
| 2010-06-07T20:32:56.510Z | 34.3165 | -116.8475 | 0.019 | 3.32 | ci14738052 |
| 2010-06-03T14:15:48.880Z | 33.2515 | -116.0488333 | 5.349 | 3.07 | ci14733300 |
| 2010-06-03T08:44:13.790Z | 33.5048333 | -116.4626667 | 5.427 | 3.18 | ci14733020 |
| 2010-05-19T07:21:34.700Z | 32.9938333 | -116.3521667 | 8.834 | 3.48 | ci10672565 |
| 2010-05-18T08:10:00.350Z | 33.8326667 | -115.5703333 | 1.004 | 3.54 | ci10671165 |
| 2010-05-08T13:47:03.380Z | 33.2666667 | -116.0476667 | 3.389 | 3.4 | ci10657237 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2010-04-07T23:47:59.570Z | 33.0956667 | -115.933 | 2.9 | 3 | ci10584645 |
| 2010-04-06T18:37:15.620Z | 33.1458333 | -115.9635 | 12.56 | 3.08 | ci14621052 |
| 2010-04-05T17:28:28.760Z | 33.0436667 | -116.4095 | 13.2 | 3.15 | ci14614188 |
| 2010-04-05T17:26:51.770Z | 33.0451667 | -116.4133333 | 13.1 | 3.6 | ci14614172 |
| 2010-04-04T23:27:22.600Z | 33.0575 | -116.3838333 | 13.379 | 3.27 | ci14607916 |
| 2010-04-04T23:22:04.560Z | 33.1496667 | -116.494 | 12.1 | 3.54 | ci14607860 |
| 2010-04-04T22:56:40.430Z | 33.1508333 | -116.4823333 | 10.658 | 3.89 | ci14607748 |
| 2010-04-04T22:47:57.980Z | 32.8985 | -116.2651667 | 13.514 | 3.34 | ci14607684 |
| 2010-03-28T21:35:26.190Z | 34.3516667 | -116.463 | 3.243 | 3.05 | ci14605532 |
| 2010-03-21T15:29:59.690Z | 33.9411667 | -116.7361667 | 13.686 | 3.03 | ci14603204 |
| 2010-03-13T16:32:32.320Z | 32.9906667 | -116.358 | 4.984 | 4.23 | ci14600292 |
| 2010-03-11T01:39:38.810Z | 33.2501667 | -116.6886667 | 3.803 | 3.52 | ci14598996 |
| 2010-03-10T10:05:09.480Z | 33.2496667 | -116.6851667 | 3.803 | 3.01 | ci14598756 |
| 2010-03-09T04:18:21.870Z | 32.994 | -116.359 | 4.814 | 4.02 | ci14598228 |
| 2010-02-19T19:56:23.050Z | 34.0146667 | -117.1841667 | 6.432 | 3.59 | ci10544917 |
| 2010-02-19T19:54:28.310Z | 34.0123333 | -117.1878333 | 6.809 | 3.2 | ci10544901 |
| 2010-02-19T19:53:42.710Z | 34.0105 | -117.1886667 | 6.946 | 3.36 | ci10544893 |
| 2010-02-17T21:35:51.180Z | 34.0066667 | -117.191 | 7.633 | 3.32 | ci10543901 |
| 2010-02-17T05:04:54.390Z | 34.0065 | -117.192 | 7.302 | 3.11 | ci10543429 |
| 2010-02-14T06:58:27.140Z | 33.2333333 | -115.6995 | 3.293 | 3.04 | ci10542293 |
| 2010-02-13T21:39:06.600Z | 34.0045 | -117.1796667 | 8.025 | 4.1 | ci10541957 |
| 2010-01-23T13:17:17.010Z | 33.1568333 | -115.6465 | 2.663 | 3.03 | ci10533445 |
| 2010-01-20T11:51:46.750Z | 32.9901667 | -116.3606667 | 4.497 | 3.37 | ci10532501 |
| 2010-01-16T12:03:25.700Z | 33.9321667 | -117.0231667 | 13.143 | 4.28 | ci10530013 |
| 2010-01-12T02:36:08.440Z | 33.9663333 | -116.8763333 | 8.782 | 4.27 | ci14571828 |
| 2010-01-11T23:33:52.520Z | 33.9658333 | -116.8775 | 9.412 | 3.24 | ci14571772 |
| 2010-01-11T23:24:00.270Z | 33.9653333 | -116.8771667 | 8.642 | 3.12 | ci14571732 |
| 2009-12-31T00:17:56.360Z | 34.0141667 | -117.1163333 | 10.357 | 3.22 | ci14566196 |
| 2009-11-22T15:55:31.660Z | 34.3591667 | -116.8915 | 1.519 | 3.63 | ci14547996 |
| 2009-11-18T00:44:00.600Z | 33.1821667 | -115.6115 | 2.163 | 3.36 | ci14545820 |
| 2009-11-16T13:54:34.120Z | 33.4146667 | -116.6345 | 6.671 | 3.61 | ci10497645 |
| 2009-11-15T07:54:22.700Z | 33.9136667 | -117.059 | 12.855 | 3.29 | ci10497213 |
| 2009-11-11T03:24:23.390Z | 33.2476667 | -116.0521667 | 3.879 | 3.56 | ci10495349 |
| 2009-10-21T13:17:16.360Z | 34.1131667 | -116.9143333 | 8.168 | 3.24 | ci10483781 |
| 2009-10-16T10:03:39.830Z | 33.9755 | -116.9643333 | 13.573 | 3.44 | ci10481781 |
| 2009-08-12T23:49:04.910Z | 33.1 | -116.2138333 | 8.123 | 3.54 | ci14499528 |
| 2009-07-26T04:54:03.590Z | 33.633 | -116.719 | 12.745 | 3.53 | ci14491232 |
| 2009-07-20T12:10:20.590Z | 33.0995 | -116.2156667 | 11.813 | 3.63 | ci10440529 |
| 2009-06-21T14:29:33.410Z | 34.1158333 | -117.3238333 | 17.28 | 3.28 | ci14477816 |
| 2009-06-19T15:30:37.010Z | 33.3768333 | -116.403 | 12.116 | 3.2 | ci14476736 |
| 2009-06-14T05:00:40.440Z | 33.1625 | -115.6415 | 4.543 | 3.3 | ci14473944 |
| 2009-04-26T05:10:27.250Z | 34.4903333 | -116.2376667 | 4.623 | 3.07 | ci10400793 |
| 2009-04-17T04:57:01.500Z | 33.1978333 | -115.6403333 | 5.253 | 3.79 | ci10396633 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2009-04-16T17:55:31.130Z | 33.25 | -116.4398333 | 2.303 | 3.86 | ci14444832 |
| 2009-04-09T21:45:30.670Z | 33.1555 | -116.5621667 | 13.123 | 3.39 | ci14442800 |
| 2009-04-08T22:04:02.360Z | 33.318 | -115.7226667 | 4.153 | 3.46 | ci14442392 |
| 2009-03-26T03:25:50.670Z | 33.3011667 | -115.7066667 | 5.012 | 3.41 | ci10111842 |
| 2009-03-26T03:25:21.980Z | 33.293 | -115.7215 | 7.422 | 3.95 | ci14435776 |
| 2009-03-25T19:59:44.100Z | 33.292 | -115.7196667 | 6.543 | 3.65 | ci14435296 |
| 2009-03-25T07:51:23.010Z | 33.29 | -115.7213333 | 4.443 | 3.55 | ci14434688 |
| 2009-03-24T23:43:15.160Z | 33.3068333 | -115.7438333 | 5.013 | 3.13 | ci14434264 |
| 2009-03-24T13:52:51.940Z | 33.3138333 | -115.7371667 | 4.223 | 3.06 | ci14433696 |
| 2009-03-24T11:55:43.930Z | 33.3171667 | -115.7281667 | 6.003 | 4.77 | ci14433456 |
| 2009-03-21T20:40:06.200Z | 33.3128333 | -115.7335 | 4.713 | 3.11 | ci14432576 |
| 2009-03-21T20:17:03.260Z | 33.3155 | -115.7323333 | 4.753 | 3.33 | ci14432496 |
| 2009-03-21T20:12:18.960Z | 33.3135 | -115.7295 | 4.763 | 3.07 | ci14432456 |
| 2009-03-21T11:24:46.040Z | 33.2521667 | -116.4385 | 2.403 | 3.3 | ci14432280 |
| 2009-03-13T03:42:22.160Z | 34.0163333 | -117.1973333 | 14.704 | 3.01 | ci14429152 |
| 2009-01-11T01:06:00.080Z | 34.3081667 | -116.9155 | 5.774 | 3.6 | ci10370561 |
| 2009-01-09T04:47:40.290Z | 34.0976667 | -117.3056667 | 14.8 | 3.28 | ci10370177 |
| 2009-01-09T03:49:46.270Z | 34.1073333 | -117.3041667 | 13.823 | 4.45 | ci10370141 |
| 2008-12-10T09:40:20.150Z | 34.1431667 | -116.4296667 | 6.853 | 3.08 | ci10365305 |
| 2008-12-10T00:29:26.210Z | 34.1631667 | -117.3766667 | 7.202 | 3.63 | ci10365237 |
| 2008-11-23T19:39:41.810Z | 33.0843333 | -116.2311667 | 5.413 | 3.29 | ci14405040 |
| 2008-11-20T21:17:22.790Z | 34.0033333 | -116.9125 | 16.456 | 3.2 | ci14404564 |
| 2008-11-17T17:41:37.110Z | 33.4961667 | -116.8636667 | 10.407 | 3.79 | ci14403792 |
| 2008-11-17T12:35:42.260Z | 33.4996667 | -116.8613333 | 10.839 | 4.11 | ci14403732 |
| 2008-10-30T17:09:39.530Z | 33.5391667 | -116.5776667 | 11.735 | 3.16 | ci10357093 |
| 2008-10-30T06:49:38.370Z | 33.0641667 | -115.91 | 2.044 | 3.3 | ci10356925 |
| 2008-10-30T03:52:43.210Z | 33.0533333 | -115.9031667 | 1.957 | 3.5 | ci10356753 |
| 2008-10-30T03:49:45.370Z | 33.057 | -115.9046667 | 1.184 | 3.61 | ci10356741 |
| 2008-10-30T03:48:12.510Z | 33.0628333 | -115.9093333 | 1.426 | 3.04 | ci10356729 |
| 2008-10-30T03:27:38.080Z | 33.0663333 | -115.9121667 | 0.644 | 3.24 | ci10356685 |
| 2008-10-13T05:39:48.220Z | 33.9323333 | -116.7421667 | 13.037 | 3.39 | ci10353729 |
| 2008-10-11T19:33:59.330Z | 33.6713333 | -116.7136667 | 15.127 | 3 | ci10353485 |
| 2008-10-02T09:41:49.270Z | 34.0838333 | -116.9678333 | 11.345 | 4.14 | ci14396336 |
| 2008-09-04T08:42:03.740Z | 34.0051667 | -117.1186667 | 12.307 | 3.29 | ci10347025 |
| 2008-08-19T01:55:13.610Z | 33.6811667 | -116.8075 | 13.762 | 3.16 | ci14388184 |
| 2008-08-03T01:27:04.510Z | 34.0108333 | -117.2146667 | 10.024 | 3.01 | ci14385368 |
| 2008-07-21T20:21:00.550Z | 34.1151667 | -116.9053333 | 4.475 | 3.01 | ci14382496 |
| 2008-06-23T14:14:57.600Z | 34.0476667 | -117.2465 | 14.102 | 3.99 | ci14376612 |
| 2008-06-03T23:06:33.180Z | 33.6671667 | -116.732 | 14.902 | 3.04 | ci14372916 |
| 2008-06-02T05:13:16.140Z | 34.0218333 | -117.1433333 | 5.352 | 3.14 | ci14372008 |
| 2008-05-09T22:38:08.350Z | 33.4458333 | -116.4555 | 9.268 | 4.06 | ci14367532 |
| 2008-05-08T23:44:14.950Z | 34.0198333 | -117.1435 | 5.365 | 3.1 | ci14367240 |
| 2008-05-04T18:16:30.280Z | 33.214 | -116.725 | 8.196 | 3.64 | ci14366244 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2008-05-01T03:55:35.970Z | 33.443 | -116.454 | 9.248 | 4.19 | ci10321561 |
| 2008-04-18T03:25:24.750Z | 33.7885 | -116.1095 | 0.064 | 3.16 | ci10318961 |
| 2008-04-15T01:00:07.930Z | 34.033 | -116.4425 | 2.199 | 3.39 | ci10318397 |
| 2008-03-06T00:14:26.930Z | 34.2981667 | -116.8575 | 12.129 | 3.66 | ci10310701 |
| 2008-02-25T22:59:01.670Z | 33.3406667 | -116.3995 | 11.996 | 3.02 | ci14352680 |
| 2007-12-19T12:14:09.630Z | 34.1561667 | -116.9813333 | 7.817 | 4.06 | ci10295849 |
| 2007-11-28T15:51:55.140Z | 34.4695 | -116.5081667 | 3.579 | 3.12 | ci14335316 |
| 2007-11-26T04:40:33.370Z | 33.1685 | -116.554 | 12.294 | 3.3 | ci14334860 |
| 2007-11-25T20:30:44.220Z | 34.2308333 | -116.7096667 | 1.348 | 3.12 | ci14334816 |
| 2007-11-17T21:15:39.820Z | 33.512 | -116.4681667 | 3.534 | 3.29 | ci14333648 |
| 2007-10-15T21:34:08.090Z | 33.7103333 | -116.839 | 15.784 | 3.12 | ci10285401 |
| 2007-09-25T22:38:23.960Z | 33.7371667 | -117.4705 | 9.268 | 3.94 | ci14325560 |
| 2007-09-12T14:21:40.500Z | 33.7333333 | -117.484 | 11.072 | 3.29 | ci10279441 |
| 2007-09-12T11:30:25.640Z | 33.7306667 | -117.4833333 | 10.602 | 3.79 | ci10279321 |
| 2007-09-05T15:16:47.810Z | 33.7345 | -117.4768333 | 4.092 | 3.5 | ci10276637 |
| 2007-09-02T17:29:14.790Z | 33.7321667 | -117.477 | 12.192 | 4.73 | ci10275733 |
| 2007-08-30T13:08:01.110Z | 34.6046667 | -116.2953333 | 3.093 | 3.43 | ci10274237 |
| 2007-08-29T04:13:48.600Z | 33.1051667 | -116.052 | 11.811 | 3.72 | ci10273353 |
| 2007-06-13T14:50:34.020Z | 33.6965 | -116.0416667 | 12.189 | 3.42 | ci14298068 |
| 2007-06-02T05:11:26.470Z | 33.8718333 | -116.2118333 | 4.233 | 4.26 | ci14295640 |
| 2007-05-17T16:05:50.400Z | 33.1858333 | -115.6083333 | 1.773 | 3.2 | ci12290011 |
| 2007-05-17T16:05:30.830Z | 33.1823333 | -115.6073333 | 3.426 | 3.24 | ci10247841 |
| 2007-04-30T05:23:52.580Z | 33.365 | -116.3861667 | 8.106 | 3.15 | ci14288180 |
| 2007-04-28T14:55:17.500Z | 33.0743333 | -116.499 | 10.705 | 3.56 | ci14287800 |
| 2007-04-28T08:04:56.950Z | 34.1148333 | -117.3173333 | 13.788 | 3.35 | ci14287736 |
| 2007-04-18T22:23:12.000Z | 33.448 | -116.5941667 | 10.01 | 3.56 | ci14285852 |
| 2007-03-02T12:10:48.090Z | 33.2236667 | -116.0186667 | 5.53 | 3.01 | ci14277544 |
| 2007-03-01T14:37:44.880Z | 33.2213333 | -116.0175 | 2.505 | 3.41 | ci14277376 |
| 2007-02-09T03:33:44.070Z | 33.2113333 | -116.148 | 11.881 | 4.29 | ci10230869 |
| 2007-01-19T19:17:08.630Z | 32.9853333 | -116.3131667 | 3.419 | 3.25 | ci10227393 |
| 2007-01-18T20:04:20.300Z | 32.9836667 | -116.307 | 4.139 | 3.12 | ci10227209 |
| 2007-01-17T16:07:47.800Z | 32.9816667 | -116.3163333 | 3.359 | 3.81 | ci10226877 |
| 2007-01-15T07:00:03.150Z | 33.706 | -116.0463333 | 13.516 | 3.09 | ci10226533 |
| 2006-12-27T21:36:19.780Z | 33.759 | -116.0808333 | 4.926 | 3.19 | ci10224265 |
| 2006-12-25T16:56:46.950Z | 33.701 | -116.0428333 | 12.638 | 3 | ci10224017 |
| 2006-12-24T03:43:38.860Z | 33.7068333 | -116.0508333 | 12.696 | 4.11 | ci10223765 |
| 2006-12-19T07:15:51.480Z | 34.3448333 | -116.753 | 1.001 | 3.06 | ci10223081 |
| 2006-12-11T08:17:35.200Z | 34.1713333 | -116.4528333 | 8.733 | 3.02 | ci10222165 |
| 2006-11-25T07:39:44.400Z | 34.3666667 | -116.1225 | 5.209 | 3.48 | ci14262712 |
| 2006-10-09T20:26:50.860Z | 33.261 | -116.0678333 | 8.997 | 4.01 | ci14255632 |
| 2006-10-05T19:54:09.530Z | 33.4433333 | -116.5983333 | 9.794 | 3.18 | ci14254944 |
| 2006-10-02T15:44:45.420Z | 34.3505 | -116.461 | 3.336 | 3.07 | ci14254376 |
| 2006-09-18T16:25:30.180Z | 34.5755 | -116.5421667 | 3.605 | 3.08 | ci10208641 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2006-09-18T01:33:56.440Z | 33.1848333 | -115.6118333 | 1.427 | 3.03 | ci10208533 |
| 2006-09-07T14:44:47.610Z | 33.9751667 | -117.078 | 13.965 | 3.12 | ci10206813 |
| 2006-09-06T22:18:01.510Z | 33.1758333 | -116.0436667 | 12.813 | 3.66 | ci10206665 |
| 2006-09-02T16:29:42.040Z | 33.9453333 | -116.368 | 8.367 | 3.62 | ci10205997 |
| 2006-08-28T10:25:51.300Z | 33.1851667 | -115.6096667 | 1.937 | 3.16 | ci14248808 |
| 2006-08-26T21:19:55.950Z | 34.29 | -116.9056667 | 5.014 | 3.48 | ci14248536 |
| 2006-08-24T18:51:28.770Z | 33.9803333 | -116.2718333 | 4.425 | 3.23 | ci14248144 |
| 2006-08-07T01:01:42.370Z | 33.243 | -116.0356667 | 9.182 | 3.68 | ci10200841 |
| 2006-08-02T16:03:02.350Z | 34.111 | -117.3155 | 15.68 | 3.31 | ci14244212 |
| 2006-08-01T09:16:22.740Z | 33.2488333 | -116.1283333 | 2.936 | 3 | ci14244008 |
| 2006-07-30T13:32:53.490Z | 33.6896667 | -116.795 | 14.032 | 3.16 | ci14243724 |
| 2006-07-23T15:58:52.450Z | 33.73 | -117.4778333 | 10.442 | 3.69 | ci14242516 |
| 2006-07-10T02:54:43.890Z | 33.856 | -117.1121667 | 10.953 | 3.9 | ci14239184 |
| 2006-06-30T15:20:52.640Z | 33.2486667 | -116.0278333 | 3.569 | 3.43 | ci14237056 |
| 2006-06-30T01:59:39.910Z | 33.2441667 | -116.0366667 | 2.479 | 3.03 | ci14236828 |
| 2006-06-30T00:30:00.600Z | 33.2438333 | -116.0335 | 4.099 | 3.07 | ci14236772 |
| 2006-06-30T00:28:06.560Z | 33.2406667 | -116.036 | 3.459 | 4.37 | ci14236768 |
| 2006-06-08T22:45:54.810Z | 33.9196667 | -116.7936667 | 17.605 | 3.87 | ci10187953 |
| 2006-06-03T13:56:20.530Z | 33.25 | -116.1228333 | 8.646 | 3.04 | ci10186597 |
| 2006-05-18T10:11:52.140Z | 34.0431667 | -117.0275 | 11.407 | 3.24 | ci10183685 |
| 2006-05-03T16:22:49.110Z | 33.5208333 | -116.5853333 | 11.349 | 3.1 | ci10181469 |
| 2006-03-24T05:54:13.010Z | 33.7866667 | -116.1785 | 9.288 | 3.66 | ci14218504 |
| 2006-03-23T23:48:57.280Z | 34.5805 | -116.2615 | 1.91 | 3.11 | ci14218424 |
| 2006-03-11T07:45:03.640Z | 34.2895 | -116.8281667 | 3.579 | 3.53 | ci14216544 |
| 2006-02-28T05:07:29.770Z | 33.7935 | -116.1823333 | 9.394 | 3.15 | ci14214824 |
| 2006-02-16T03:51:21.560Z | 34.3401667 | -116.8605 | 3.899 | 3.24 | ci14212760 |
| 2005-12-04T17:47:44.020Z | 33.6108333 | -117.2715 | 13.229 | 3.42 | ci14202036 |
| 2005-12-03T07:49:34.590Z | 34.329 | -116.8331667 | 3.672 | 4.17 | ci14201764 |
| 2005-11-25T15:40:34.860Z | 34.5963333 | -116.355 | 1.863 | 3.05 | ci14200284 |
| 2005-11-14T22:00:15.490Z | 32.9766667 | -116.3173333 | 9.156 | 3.4 | ci14198024 |
| 2005-11-08T22:03:46.220Z | 33.5275 | -116.6856667 | 11.705 | 3.36 | ci14197132 |
| 2005-10-18T07:31:03.470Z | 34.0121667 | -116.7755 | 17.785 | 4.42 | ci10148421 |
| 2005-10-18T04:08:41.520Z | 34.0141667 | -116.7753333 | 15.676 | 4.1 | ci10148369 |
| 2005-10-01T01:22:10.520Z | 34.0175 | -117.1641667 | 11.074 | 3.04 | ci14189148 |
| 2005-09-11T06:07:27.560Z | 33.1733333 | -116.0441667 | 0.084 | 3.77 | ci14183744 |
| 2005-09-05T23:49:37.090Z | 33.1711667 | -115.6241667 | 4.702 | 3.17 | ci14181936 |
| 2005-09-05T08:53:53.550Z | 33.1761667 | -115.6213333 | 6.067 | 3.83 | ci14181756 |
| 2005-09-03T11:17:24.910Z | 33.1783333 | -115.6203333 | 4.497 | 3.1 | ci14181128 |
| 2005-09-02T06:44:28.020Z | 33.1763333 | -115.6173333 | 4.757 | 3.44 | ci14180324 |
| 2005-09-02T03:55:38.310Z | 33.1598333 | -115.6478333 | 8.714 | 3.11 | ci12217107 |
| 2005-09-02T03:54:52.970Z | 33.1505 | -115.6623333 | 7.283 | 3.37 | ci14180072 |
| 2005-09-02T03:51:16.460Z | 33.1513333 | -115.6503333 | 5.236 | 3.05 | ci14180064 |
| 2005-09-02T03:50:18.230Z | 33.1553333 | -115.6536667 | 5.162 | 3.16 | ci14180060 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2005-09-02T03:46:48.800Z | 33.1511667 | -115.6578333 | 6.026 | 3.23 | ci14180052 |
| 2005-09-02T02:46:35.500Z | 33.154 | -115.647 | 4.866 | 3.76 | ci14179924 |
| 2005-09-02T01:30:32.190Z | 33.1588333 | -115.663 | 4.567 | 3.41 | ci14179740 |
| 2005-09-02T01:27:19.590Z | 33.1533333 | -115.6463333 | 1.207 | 5.08 | ci14179736 |
| 2005-09-02T01:27:18.610Z | 33.1748333 | -115.6311667 | 4.977 | 4.5 | ci12217067 |
| 2005-09-02T01:23:43.810Z | 33.1738333 | -115.6226667 | 4.038 | 3.03 | ci14179728 |
| 2005-09-01T15:22:45.900Z | 33.177 | -115.6146667 | 11.188 | 3.03 | ci14179380 |
| 2005-09-01T14:06:31.800Z | 33.1976667 | -115.6031667 | 3.182 | 3.29 | ci14179300 |
| 2005-09-01T13:50:20.190Z | 33.1783333 | -115.6328333 | 0.004 | 4.48 | ci14179292 |
| 2005-09-01T13:50:09.270Z | 33.1693333 | -115.6311667 | 4.263 | 3.65 | ci12216915 |
| 2005-09-01T13:48:25.030Z | 33.1705 | -115.6213333 | 4.443 | 3.68 | ci14179288 |
| 2005-09-01T04:29:22.050Z | 33.1831667 | -115.6133333 | 4.74 | 3.01 | ci14178764 |
| 2005-09-01T04:15:22.130Z | 33.1763333 | -115.615 | 7.758 | 3.2 | ci14178728 |
| 2005-08-31T23:33:38.850Z | 33.2006667 | -115.606 | 3.807 | 3.79 | ci12217251 |
| 2005-08-31T23:32:11.040Z | 33.1896667 | -115.603 | 4.267 | 4.57 | ci14178248 |
| 2005-08-31T23:07:16.450Z | 33.1758333 | -115.618 | 4.622 | 4.2 | ci14178212 |
| 2005-08-31T22:59:49.010Z | 33.168 | -115.6338333 | 4.953 | 3.11 | ci14178204 |
| 2005-08-31T22:47:45.530Z | 33.1663333 | -115.6351667 | 4.003 | 4.63 | ci14178184 |
| 2005-08-31T22:45:49.820Z | 33.172 | -115.6221667 | 4.337 | 3.62 | ci14178180 |
| 2005-08-31T22:17:14.020Z | 33.1701667 | -115.6211667 | 4.732 | 3.16 | ci14178156 |
| 2005-08-31T21:49:01.970Z | 33.1765 | -115.626 | 4.508 | 3.26 | ci14178132 |
| 2005-08-31T16:18:47.610Z | 33.1913333 | -115.6006667 | 2.438 | 3.38 | ci14177960 |
| 2005-08-31T15:35:37.470Z | 33.1885 | -115.6053333 | 4.558 | 3.76 | ci14177900 |
| 2005-08-29T07:41:40.060Z | 33.2096667 | -115.5811667 | 3.28 | 3.1 | ci14177380 |
| 2005-08-29T07:39:45.780Z | 33.2075 | -115.5918333 | 3.69 | 3.25 | ci14177376 |
| 2005-08-26T13:45:33.340Z | 33.1725 | -116.0386667 | 1.845 | 3.09 | ci14176860 |
| 2005-06-27T22:17:33.610Z | 34.0541667 | -117.0305 | 11.48 | 3.96 | ci14158696 |
| 2005-06-17T03:24:28.120Z | 33.4951667 | -116.5306667 | 11.525 | 3.34 | ci14155704 |
| 2005-06-16T20:54:49.470Z | 34.0486667 | -117.0076667 | 14.71 | 3.39 | ci14155264 |
| 2005-06-16T20:54:19.950Z | 34.0526667 | -117.0231667 | 16.251 | 3.65 | ci12196991 |
| 2005-06-16T20:53:26.020Z | 34.058 | -117.0113333 | 10.558 | 4.88 | ci14155260 |
| 2005-06-12T20:47:47.690Z | 33.5001667 | -116.571 | 11.425 | 3.05 | ci14152436 |
| 2005-06-12T15:41:46.520Z | 33.5325 | -116.5666667 | 13.051 | 5.2 | ci14151344 |
| 2005-06-09T23:02:07.320Z | 33.498 | -116.5246667 | 13.082 | 3.07 | ci14150888 |
| 2005-05-21T00:39:32.690Z | 33.2235 | -116.2048333 | 14.864 | 4.06 | ci14146956 |
| 2005-05-15T13:29:56.340Z | 33.4581667 | -116.6278333 | 6.23 | 3.17 | ci10099817 |
| 2005-04-23T02:19:07.440Z | 34.1103333 | -117.307 | 14.28 | 3.35 | ci10093909 |
| 2005-03-22T08:55:05.580Z | 33.28 | -116.2595 | 4.258 | 3.7 | ci14133048 |
| 2005-03-13T23:43:15.300Z | 33.3021667 | -116.8513333 | 12.459 | 3.45 | ci14131672 |
| 2005-01-12T08:10:46.380Z | 33.9526667 | -116.3953333 | 7.107 | 4.26 | ci14118096 |
| 2004-12-12T05:05:52.870Z | 34.1501667 | -116.9816667 | 9.86 | 3.71 | ci10066389 |
| 2004-11-13T17:39:16.930Z | 34.3535 | -116.8446667 | 8.029 | 4.19 | ci10059745 |
| 2004-10-27T21:41:17.000Z | 34.3435 | -116.918 | 3.469 | 3.79 | ci10056345 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2004-10-19T02:12:09.050Z | 33.5003333 | -116.5113333 | 13.033 | 3.23 | ci10054541 |
| 2004-10-03T00:32:16.040Z | 33.2326667 | -115.6996667 | 3.343 | 3.1 | ci14096876 |
| 2004-09-16T13:29:30.800Z | 34.1215 | -116.403 | 7.196 | 3.63 | ci14091288 |
| 2004-08-23T13:22:13.000Z | 34.6706667 | -116.3591667 | 1.923 | 3.16 | ci14086916 |
| 2004-07-15T12:20:54.010Z | 33.3515 | -116.3721667 | 12.108 | 3.03 | ci14074232 |
| 2004-07-14T00:53:52.480Z | 33.711 | -116.0556667 | 12.651 | 4.02 | ci14073800 |
| 2004-06-01T14:36:14.760Z | 34.2955 | -116.8776667 | 3.929 | 3.06 | ci10014793 |
| 2004-05-13T06:04:28.890Z | 33.6463333 | -116.735 | 14.851 | 3.05 | ci10008241 |
| 2004-04-15T02:28:08.620Z | 33.9428333 | -116.9941667 | 15.756 | 3.35 | ci10000605 |
| 2004-04-08T15:46:21.930Z | 33.1008333 | -115.8656667 | 11.84 | 3.2 | ci9998037 |
| 2004-04-05T20:38:06.550Z | 33.4245 | -116.9738333 | 9.976 | 3.42 | ci9996961 |
| 2004-04-05T14:25:28.910Z | 34.0501667 | -117.2613333 | 12.042 | 3.29 | ci9997137 |
| 2004-03-26T17:10:17.150Z | 33.2231667 | -116.0808333 | 13.756 | 3.16 | ci9994217 |
| 2004-03-20T04:55:37.410Z | 33.5128333 | -116.5768333 | 13.376 | 3.1 | ci9992737 |
| 2004-03-19T01:09:23.010Z | 34.3083333 | -116.933 | 8.509 | 3.49 | ci14039128 |
| 2004-02-27T07:37:18.440Z | 34.057 | -117.2583333 | 10.202 | 3.08 | ci9986677 |
| 2004-02-25T22:23:01.920Z | 33.8163333 | -117.043 | 14.365 | 3.58 | ci9986489 |
| 2003-12-06T13:50:28.350Z | 34.0968333 | -117.308 | 16.689 | 3.39 | ci14008004 |
| 2003-11-27T14:38:17.000Z | 33.8003333 | -116.1831667 | 5.155 | 3.47 | ci14006256 |
| 2003-11-23T03:06:23.380Z | 33.6943333 | -116.0353333 | 12.285 | 3.09 | ci14005408 |
| 2003-11-13T05:17:56.980Z | 33.3623333 | -116.4078333 | 12.348 | 3.31 | ci14003372 |
| 2003-11-12T20:23:09.560Z | 33.9033333 | -116.9011667 | 12.759 | 3.26 | ci14003288 |
| 2003-10-24T10:11:05.000Z | 33.0591667 | -115.9086667 | 2.937 | 3.14 | ci13999244 |
| 2003-10-15T04:18:39.570Z | 34.0355 | -116.3968333 | 11.242 | 3.36 | ci13997524 |
| 2003-10-10T02:27:35.880Z | 34.2268333 | -116.4498333 | 0.653 | 3.52 | ci9950169 |
| 2003-10-09T07:33:55.430Z | 33.4098333 | -116.4033333 | 11.112 | 3.06 | ci9949961 |
| 2003-09-14T02:32:30.580Z | 33.7601667 | -116.0281667 | 5.087 | 3.05 | ci9944785 |
| 2003-09-10T15:27:40.240Z | 33.3165 | -116.3601667 | 13.655 | 3.12 | ci9944001 |
| 2003-08-01T19:06:49.480Z | 33.3125 | -115.7303333 | 7.373 | 3.04 | ci9935153 |
| 2003-07-15T06:15:50.750Z | 34.6216667 | -116.6671667 | 6.475 | 4.15 | ci9930549 |
| 2003-06-13T07:52:47.330Z | 34.305 | -116.8348333 | 5.679 | 3.15 | ci13971180 |
| 2003-05-14T22:47:18.460Z | 33.7491667 | -116.0235 | 7.743 | 3.87 | ci9915709 |
| 2003-04-29T02:38:40.550Z | 33.1156667 | -116.0736667 | 12.631 | 3.34 | ci13959680 |
| 2003-04-19T23:50:24.580Z | 33.7948333 | -116.0881667 | 8.067 | 3.17 | ci9909097 |
| 2003-04-10T23:03:15.560Z | 34.3103333 | -116.8511667 | 4.159 | 3.28 | ci9906629 |
| 2003-03-15T10:01:47.620Z | 34.3056667 | -116.8428333 | 1.979 | 3.59 | ci13947424 |
| 2003-03-11T19:31:31.550Z | 34.367 | -116.132 | 2.479 | 3.4 | ci13945912 |
| 2003-03-11T19:28:17.910Z | 34.3591667 | -116.1331667 | 3.069 | 4.64 | ci13945908 |
| 2003-03-02T17:59:02.410Z | 34.3258333 | -116.8615 | 0.148 | 3.01 | ci13941840 |
| 2003-02-27T05:00:21.700Z | 34.3043333 | -116.843 | 2.989 | 4.04 | ci13939856 |
| 2003-02-26T01:45:28.650Z | 34.331 | -116.8568333 | 1.424 | 3.63 | ci13939456 |
| 2003-02-25T04:03:04.800Z | 34.3155 | -116.8445 | 1.099 | 4.61 | ci13938812 |
| 2003-02-25T02:26:18.900Z | 34.3143333 | -116.8506667 | 3.599 | 3.03 | ci13938688 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 2003-02-24T23:06:44.600Z | 33.4453333 | -116.4365 | 11.722 | 3.22 | ci13938592 |
| 2003-02-24T04:03:59.960Z | 34.3121667 | -116.8523333 | 4.549 | 3.27 | ci13938228 |
| 2003-02-24T02:42:08.360Z | 34.307 | -116.8325 | 2.039 | 3.02 | ci13938172 |
| 2003-02-23T20:28:13.590Z | 34.317 | -116.8418333 | 0.739 | 3.3 | ci13937696 |
| 2003-02-23T15:52:51.300Z | 34.3048333 | -116.8466667 | 4.249 | 3.44 | ci13937600 |
| 2003-02-23T09:24:23.410Z | 34.3126667 | -116.8503333 | 2.109 | 3.54 | ci13937492 |
| 2003-02-22T19:33:45.800Z | 34.3096667 | -116.8503333 | 1.409 | 4.5 | ci13936812 |
| 2003-02-22T17:50:13.320Z | 34.3198333 | -116.8506667 | 1.779 | 3.11 | ci13936736 |
| 2003-02-22T16:12:16.980Z | 34.3135 | -116.8491667 | 2.709 | 3.87 | ci13936596 |
| 2003-02-22T14:16:08.420Z | 34.3241667 | -116.858 | 2.549 | 4.1 | ci13936432 |
| 2003-02-22T12:53:52.680Z | 34.3063333 | -116.8405 | 2.969 | 3.47 | ci13936236 |
| 2003-02-22T12:48:43.930Z | 34.3165 | -116.856 | 0.549 | 3.08 | ci13936216 |
| 2003-02-22T12:33:37.870Z | 34.313 | -116.8505 | 3.864 | 3.15 | ci13936168 |
| 2003-02-22T12:28:36.500Z | 34.3098333 | -116.8483333 | 3.839 | 3.39 | ci13936152 |
| 2003-02-22T12:25:13.640Z | 34.326 | -116.8571667 | 8.087 | 4.01 | ci13936076 |
| 2003-02-22T12:25:00.320Z | 34.312 | -116.8501667 | 3.229 | 3.15 | ci13936072 |
| 2003-02-22T12:23:10.610Z | 34.3403333 | -116.8525 | -1.571 | 3.09 | ci13936004 |
| 2003-02-22T12:22:39.750Z | 34.3101667 | -116.8475 | 3.909 | 3.72 | ci13936000 |
| 2003-02-22T12:21:33.130Z | 34.3108333 | -116.8506667 | 2.769 | 4.34 | ci13935996 |
| 2003-02-22T12:20:15.640Z | 34.311 | -116.8473333 | 2.808 | 4 | ci13935992 |
| 2003-02-22T12:19:10.920Z | 34.312 | -116.8448333 | 5.589 | 4.99 | ci13935988 |
| 2003-02-01T17:26:52.430Z | 33.7451667 | -116.0208333 | 10.563 | 3.25 | ci13930844 |
| 2002-12-22T12:55:32.870Z | 33.8851667 | -116.2575 | 10.214 | 3.48 | ci9872497 |
| 2002-12-03T02:59:21.480Z | 33.9925 | -116.8643333 | 13.099 | 3.02 | ci13914868 |
| 2002-12-02T13:19:36.080Z | 33.3246667 | -115.6993333 | 4.093 | 3.29 | ci13914552 |
| 2002-12-01T17:49:17.780Z | 33.7848333 | -116.1151667 | 2.187 | 3.06 | ci13914388 |
| 2002-11-27T18:48:00.950Z | 34.3833333 | -116.4646667 | 1.859 | 3.37 | ci13913212 |
| 2002-11-03T06:58:42.330Z | 33.1658333 | -115.6416667 | 2.473 | 3.25 | ci9856273 |
| 2002-10-31T23:59:37.200Z | 33.5333333 | -116.9403333 | 5.205 | 3.07 | ci9855477 |
| 2002-10-24T17:18:32.910Z | 33.5056667 | -116.581 | 13.256 | 3.83 | ci9853417 |
| 2002-10-22T07:15:26.070Z | 34.3015 | -116.8838333 | 5.489 | 3.58 | ci9852637 |
| 2002-10-17T03:26:34.520Z | 33.4821667 | -116.4998333 | 13.368 | 3.09 | ci9851505 |
| 2002-09-29T17:46:08.660Z | 34.5771667 | -116.2656667 | 2.38 | 3.08 | ci9829565 |
| 2002-09-21T21:26:16.640Z | 33.2248333 | -116.1128333 | 14.436 | 4.31 | ci9826789 |
| 2002-09-17T15:00:05.170Z | 33.5031667 | -116.7786667 | 14.722 | 3.73 | ci13813696 |
| 2002-09-15T21:15:50.920Z | 34.0543333 | -116.3201667 | 9.547 | 3.31 | ci13813192 |
| 2002-07-31T08:31:47.980Z | 34.571 | -116.4411667 | 1.986 | 3.73 | ci9805021 |
| 2002-07-01T22:03:59.660Z | 34.1033333 | -116.651 | 8.77 | 3.33 | ci9796589 |
| 2002-05-21T19:43:08.310Z | 33.1583333 | -115.9771667 | 12.831 | 3.88 | ci13303428 |
| 2002-04-05T08:02:56.050Z | 34.524 | -116.2946667 | 4.548 | 4.39 | ci9775765 |
| 2002-03-30T13:50:51.710Z | 33.1946667 | -116.728 | 8.127 | 3.84 | ci9774569 |
| 2002-03-28T06:56:08.030Z | 33.3501667 | -115.752 | 5.133 | 3.03 | ci9774045 |
| 2002-03-27T13:23:08.560Z | 34.5251667 | -116.2913333 | 7.778 | 3 | ci9773785 |

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|---|---|---|---|---|---|
| 2002-03-23T12:27:32.700Z | 34.2668333 | -116.7743333 | 1.128 | 3.4 | ci9772973 |
| 2002-03-15T17:39:25.660Z | 34.5215 | -116.293 | 4.548 | 3.07 | ci12619436 |
| 2002-03-15T16:57:56.580Z | 34.5185 | -116.2913333 | 4.548 | 3.43 | ci12615428 |
| 2002-02-07T05:29:31.650Z | 34.1018333 | -116.7086667 | 5.883 | 3.38 | ci9758113 |
| 2002-02-04T04:39:10.160Z | 33.0466667 | -116.4401667 | 14.884 | 3.58 | ci12415448 |
| 2002-01-07T03:22:02.710Z | 34.462 | -116.4826667 | 2.689 | 3.15 | ci9745753 |
| 2002-01-02T12:11:28.680Z | 33.3793333 | -116.4345 | 11.224 | 4.21 | ci9742277 |
| 2002-01-01T21:23:57.560Z | 33.2645 | -116.1418333 | 5.495 | 3.03 | ci9742149 |
| 2001-12-11T21:40:35.420Z | 34.1078333 | -116.7233333 | 7.795 | 3.62 | ci9734033 |
| 2001-12-07T20:47:49.670Z | 34.4095 | -116.4655 | 7.499 | 3.38 | ci9731517 |
| 2001-11-23T17:06:43.490Z | 34.6133333 | -116.2781667 | 4.531 | 3.23 | ci9724801 |
| 2001-11-21T18:34:03.450Z | 34.6735 | -116.2911667 | 4.931 | 3 | ci9724453 |
| 2001-11-13T21:00:40.020Z | 33.3116667 | -115.7056667 | 3.682 | 3.18 | ci9722669 |
| 2001-11-13T20:46:40.290Z | 33.3058333 | -115.7215 | 2.663 | 3.22 | ci9722637 |
| 2001-11-13T20:43:14.950Z | 33.3171667 | -115.7001667 | 5.55 | 4.11 | ci9722633 |
| 2001-11-13T18:57:07.840Z | 33.3073333 | -115.7113333 | 3.832 | 3.14 | ci9722577 |
| 2001-11-13T16:45:04.870Z | 33.311 | -115.7038333 | 3.65 | 3.44 | ci9722529 |
| 2001-11-13T16:08:37.230Z | 33.3176667 | -115.698 | 3.99 | 3.24 | ci9722489 |
| 2001-11-13T16:03:42.790Z | 33.3253333 | -115.6915 | 6.323 | 3.03 | ci9722481 |
| 2001-11-03T20:37:54.350Z | 34.1545 | -116.4336667 | 4.456 | 3.03 | ci9720229 |
| 2001-11-03T19:53:56.870Z | 34.1616667 | -116.4341667 | 8.533 | 3.27 | ci9720205 |
| 2001-10-31T07:56:16.630Z | 33.5083333 | -116.5143333 | 13.678 | 5.02 | ci9718013 |
| 2001-10-30T12:58:32.730Z | 34.3515 | -116.4715 | 8.286 | 3.44 | ci11743612 |
| 2001-10-17T05:53:58.270Z | 34.6355 | -116.2336667 | 1.271 | 3.47 | ci9714385 |
| 2001-10-12T16:08:40.460Z | 33.5013333 | -116.5205 | 11.058 | 3.06 | ci9713401 |
| 2001-09-29T06:51:05.790Z | 34.0483333 | -116.7703333 | 12.515 | 3.08 | ci9709553 |
| 2001-09-23T22:44:32.960Z | 33.5086667 | -116.5131667 | 13.558 | 3.01 | ci9708393 |
| 2001-09-10T17:40:08.590Z | 33.4518333 | -116.63 | 7.683 | 3.04 | ci9704437 |
| 2001-09-03T09:55:33.520Z | 33.3766667 | -116.4195 | 9.882 | 3.11 | ci9700593 |
| 2001-09-01T23:05:58.770Z | 33.3716667 | -116.4166667 | 8.242 | 3.49 | ci9700049 |
| 2001-08-28T21:30:12.220Z | 33.647 | -116.7418333 | 12.774 | 3.39 | ci9698857 |
| 2001-08-22T13:06:25.830Z | 34.5951667 | -116.2706667 | 4.7 | 3.12 | ci9697153 |
| 2001-08-20T07:34:23.140Z | 34.0435 | -117.2501667 | 15.304 | 3.05 | ci9696461 |
| 2001-08-20T01:26:31.770Z | 34.6363333 | -116.3145 | 4.549 | 3.22 | ci9696429 |
| 2001-07-22T08:13:58.030Z | 34.2875 | -116.9878333 | 6.488 | 3.02 | ci9682745 |
| 2001-07-16T03:21:39.570Z | 33.4618333 | -116.4168333 | 13.405 | 3.02 | ci9673237 |
| 2001-07-03T11:43:13.970Z | 34.2628333 | -116.7665 | 2.548 | 3.02 | ci9666909 |
| 2001-07-03T11:40:48.110Z | 34.2635 | -116.7641667 | 1.528 | 3.92 | ci9666905 |
| 2001-06-12T12:08:23.810Z | 33.6875 | -116.8163333 | 14.159 | 3.07 | ci9660205 |
| 2001-06-08T23:15:27.660Z | 34.5686667 | -116.2313333 | 6.077 | 3.12 | ci9659389 |
| 2001-06-05T09:38:46.080Z | 33.6776667 | -116.7603333 | 15.101 | 3.15 | ci9658681 |
| 2001-05-26T00:37:09.840Z | 33.9976667 | -116.5606667 | 11.368 | 3.09 | ci9655873 |
| 2001-05-23T19:10:34.500Z | 34.0238333 | -116.7571667 | 13.185 | 3.78 | ci9655209 |

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|---|---|---|---|---|---|
| 2001-04-25T01:13:42.790Z | 34.6478333 | -116.2796667 | 4.854 | 3.26 | ci9647549 |
| 2001-04-20T09:52:12.270Z | 33.7045 | -116.7761667 | 15.641 | 3.4 | ci9645945 |
| 2001-04-14T05:47:37.440Z | 33.201 | -115.5938333 | 2.505 | 3.03 | ci9644281 |
| 2001-04-13T11:54:51.370Z | 34.0478333 | -117.1061667 | 5.148 | 3.08 | ci9644105 |
| 2001-04-10T01:47:42.070Z | 34.5363333 | -116.2668333 | 4.493 | 3.17 | ci9643369 |
| 2001-04-05T20:28:32.380Z | 33.8715 | -117.0241667 | 12.297 | 3.16 | ci9642449 |
| 2001-04-02T10:19:52.560Z | 33.2403333 | -116.2553333 | 8.388 | 3.47 | ci9641857 |
| 2001-03-14T01:19:42.090Z | 34.6466667 | -116.2941667 | 4.406 | 3.19 | ci9634937 |
| 2001-03-05T19:00:34.970Z | 33.3748333 | -116.3093333 | 12.869 | 3.13 | ci9633361 |
| 2001-03-04T07:16:51.870Z | 34.0251667 | -117.0033333 | 10.521 | 3.18 | ci9633201 |
| 2001-02-20T10:36:47.850Z | 33.7085 | -116.7756667 | 15.161 | 3.06 | ci9630517 |
| 2001-02-19T17:21:19.060Z | 34.4868333 | -116.2583333 | 4.286 | 3 | ci9630405 |
| 2001-02-18T06:09:32.160Z | 33.6746667 | -116.8088333 | 15.549 | 3.29 | ci9630113 |
| 2001-02-14T19:25:03.790Z | 34.3006667 | -116.9361667 | 3.449 | 3.14 | ci9629261 |
| 2001-02-13T06:11:48.410Z | 34.2775 | -116.9425 | 4.679 | 3.56 | ci9628933 |
| 2001-02-13T03:04:35.640Z | 34.2886667 | -116.9418333 | 4.659 | 3.47 | ci9628901 |
| 2001-02-11T10:41:15.810Z | 34.2951667 | -116.9395 | 4.199 | 3.08 | ci9628369 |
| 2001-02-11T07:14:39.840Z | 34.2933333 | -116.9366667 | 3.669 | 3.19 | ci9628313 |
| 2001-02-11T00:39:15.970Z | 34.2875 | -116.9418333 | 6.611 | 4.22 | ci9627953 |
| 2001-02-10T23:34:15.830Z | 34.2838333 | -116.9466667 | 5.309 | 3.22 | ci9627873 |
| 2001-02-10T21:35:08.930Z | 34.302 | -116.9313333 | 4.881 | 3.03 | ci9627809 |
| 2001-02-10T21:05:05.780Z | 34.2895 | -116.9458333 | 7.611 | 4.66 | ci9627721 |
| 2001-02-10T17:50:22.380Z | 33.8151667 | -116.1463333 | 7.868 | 3.89 | ci9627557 |
| 2000-12-23T09:08:53.170Z | 34.0511667 | -117.2471667 | 15.211 | 3.28 | ci9171641 |
| 2000-12-11T18:04:27.920Z | 34.009 | -116.698 | 11.128 | 3.39 | ci9170603 |
| 2000-12-10T18:27:09.150Z | 34.09 | -116.425 | 6.866 | 3.18 | ci9170521 |
| 2000-12-02T08:28:07.470Z | 34.2656667 | -116.7773333 | 1.305 | 4.07 | ci9169867 |
| 2000-09-29T09:57:31.850Z | 33.2978333 | -116.2338333 | 12.068 | 3.32 | ci9164642 |
| 2000-09-24T18:34:40.640Z | 34.45 | -116.2593333 | 4.401 | 3.23 | ci9164126 |
| 2000-09-21T03:06:10.650Z | 34.5328333 | -116.28 | 1.01 | 3.06 | ci9163755 |
| 2000-08-19T01:01:43.360Z | 33.3016667 | -116.314 | 12.845 | 3.59 | ci9160677 |
| 2000-08-17T04:43:47.080Z | 34.366 | -116.454 | 1.597 | 3.07 | ci9160476 |
| 2000-06-30T09:41:00.620Z | 34.043 | -116.636 | 11.92 | 3.6 | ci9155952 |
| 2000-06-12T03:15:02.660Z | 34.683 | -116.357 | 6.294 | 3.9 | ci9153800 |
| 2000-05-21T06:27:37.360Z | 34.294 | -116.868 | 4.048 | 3.65 | ci9151375 |
| 2000-05-18T15:41:46.700Z | 34.671 | -116.309 | 1.984 | 3.16 | ci9151064 |
| 2000-05-16T20:45:53.670Z | 34.6825 | -116.3068333 | 3.271 | 3.42 | ci9150751 |
| 2000-05-10T23:28:53.730Z | 33.156 | -115.643 | 2.953 | 3.56 | ci3324245 |
| 2000-05-10T23:25:42.640Z | 33.16 | -115.638 | 4.065 | 3.89 | ci9150059 |
| 2000-04-26T05:39:05.200Z | 33.163 | -115.632 | 6.079 | 3.56 | ci9148580 |
| 2000-04-26T05:37:17.370Z | 33.169 | -115.634 | 4.385 | 3.34 | ci9148592 |
| 2000-04-25T18:36:07.880Z | 33.162 | -115.637 | 4.955 | 3.69 | ci9148510 |
| 2000-04-25T08:16:19.320Z | 34.651 | -116.299 | -0.016 | 3.09 | ci9148436 |

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|---|---|---|---|---|---|
| 2000-04-22T19:08:51.330Z | 34.579 | -116.257 | 4.61 | 3.37 | ci9148179 |
| 2000-04-22T10:25:05.870Z | 34.436 | -116.255 | 2.661 | 3.19 | ci9148135 |
| 2000-04-21T03:32:21.950Z | 34.339 | -116.738 | 1.928 | 3.26 | ci9148001 |
| 2000-04-07T15:24:29.700Z | 34.447 | -116.257 | 1.651 | 3.19 | ci9146458 |
| 2000-04-05T20:38:08.770Z | 34.502 | -116.285 | -1.052 | 3.24 | ci9146215 |
| 2000-04-03T18:59:54.590Z | 34.028 | -116.324 | 4.338 | 3.61 | ci9145960 |
| 2000-03-22T04:35:34.650Z | 34.344 | -116.465 | 5.596 | 3.16 | ci9143990 |
| 2000-03-10T15:56:44.180Z | 34.015 | -116.312 | 3.928 | 3.33 | ci9142412 |
| 2000-03-08T03:43:01.470Z | 34.543 | -116.308 | -0.532 | 3.09 | ci9142082 |
| 2000-03-07T10:35:39.870Z | 34.328 | -116.768 | 0.078 | 3.52 | ci9141994 |
| 2000-02-22T03:47:24.040Z | 34.0496667 | -117.254 | 16.141 | 3.18 | ci9140120 |
| 2000-02-21T19:35:39.560Z | 34.574 | -115.963 | 2.549 | 3.17 | ci9140087 |
| 2000-02-21T13:49:43.130Z | 34.05 | -117.2525 | 15.051 | 4.37 | ci9140050 |
| 2000-01-31T22:00:12.690Z | 34.364 | -116.134 | 4.036 | 3.48 | ci9137224 |
| 2000-01-28T11:29:47.780Z | 34.609 | -116.29 | 5.117 | 3.1 | ci3321994 |
| 2000-01-27T16:07:03.090Z | 34.3941667 | -116.4495 | 1.63 | 3.55 | ci9136577 |
| 2000-01-20T08:03:39.530Z | 34.295 | -116.765 | 1.478 | 3.35 | ci9135287 |
| 2000-01-15T17:16:54.650Z | 34.669 | -116.337 | 1.394 | 3.06 | ci9134378 |
| 2000-01-13T11:04:57.840Z | 34.43 | -116.194 | 1.686 | 3.4 | ci9133968 |
| 2000-01-13T10:07:14.840Z | 34.59 | -116.273 | 0.249 | 3.24 | ci9133957 |
| 2000-01-12T17:13:17.400Z | 34.665 | -116.334 | 5.039 | 3.13 | ci7172582 |
| 2000-01-03T21:59:31.780Z | 34.101 | -117.008 | 2.269 | 3.49 | ci9132433 |
| 2000-01-02T17:58:32.820Z | 34.309 | -116.072 | 0.801 | 3.14 | ci9132273 |
| 1999-12-31T17:43:20.030Z | 34.665 | -116.285 | 4.959 | 3.18 | ci9131911 |
| 1999-12-30T06:24:35.110Z | 34.11 | -117.33 | 17.895 | 3.29 | ci9131630 |
| 1999-12-29T18:12:44.150Z | 34.675 | -116.294 | 1.014 | 3.18 | ci9131501 |
| 1999-12-24T00:43:56.860Z | 34.654 | -116.292 | 2.894 | 3.24 | ci9130550 |
| 1999-12-23T14:30:54.380Z | 34.592 | -116.265 | 6.53 | 4.03 | ci9130422 |
| 1999-12-22T09:16:59.300Z | 34.618 | -116.25 | -0.89 | 3.16 | ci9130277 |
| 1999-12-22T09:11:00.630Z | 34.619 | -116.251 | -0.89 | 3.03 | ci9130273 |
| 1999-12-15T13:45:02.600Z | 34.608 | -116.282 | 2.029 | 3.02 | ci9129139 |
| 1999-12-15T06:52:05.480Z | 34.335 | -116.117 | 1.791 | 3.28 | ci3321650 |
| 1999-12-15T06:51:03.080Z | 34.333 | -116.113 | 1.991 | 3.27 | ci9129107 |
| 1999-12-15T06:29:48.130Z | 34.101 | -117.007 | 1.789 | 3.09 | ci9129102 |
| 1999-12-13T13:20:16.300Z | 34.1013333 | -117.0086667 | 2.021 | 3.81 | ci9128775 |
| 1999-12-13T05:47:38.090Z | 34.389 | -116.146 | 4.726 | 3.35 | ci9128729 |
| 1999-12-10T08:36:42.440Z | 34.589 | -116.3 | -1.051 | 3.15 | ci9128326 |
| 1999-12-08T22:45:26.760Z | 34.642 | -116.322 | 2.048 | 3.87 | ci9127950 |
| 1999-12-08T10:54:04.700Z | 34.0391667 | -117.2435 | 13.715 | 3.05 | ci3321780 |
| 1999-12-08T10:53:59.590Z | 34.043 | -117.247 | 13.974 | 3.11 | ci9127885 |
| 1999-12-03T22:41:04.100Z | 34.62 | -116.27 | 1.949 | 3.47 | ci9126975 |
| 1999-12-03T05:54:55.670Z | 34.662 | -116.34 | 1.194 | 3.09 | ci9126882 |
| 1999-11-28T02:37:28.280Z | 34.628 | -116.249 | 5.1 | 3.15 | ci9125758 |

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|---|---|---|---|---|---|
| 1999-11-27T18:38:05.850Z | 34.63 | -116.2345 | 1.54 | 3.02 | ci3324575 |
| 1999-11-27T18:36:46.270Z | 34.669 | -116.309 | 0.764 | 3.28 | ci9125672 |
| 1999-11-23T15:52:33.100Z | 34.41 | -116.191 | 7.006 | 3.03 | ci9124753 |
| 1999-11-21T22:15:38.330Z | 34.6193333 | -116.2488333 | -0.06 | 3.19 | ci7163776 |
| 1999-11-19T05:57:31.090Z | 34.543 | -116.305 | -0.172 | 3.63 | ci9123924 |
| 1999-11-16T05:52:41.040Z | 34.549 | -116.307 | 1.048 | 3 | ci3321450 |
| 1999-11-15T11:02:24.780Z | 34.42 | -116.183 | 4.856 | 3.04 | ci9122927 |
| 1999-11-14T19:05:25.120Z | 34.489 | -116.265 | 0.728 | 3.13 | ci9122756 |
| 1999-11-14T00:55:00.040Z | 34.437 | -116.254 | 7.981 | 3.18 | ci9122588 |
| 1999-11-13T14:19:49.430Z | 34.159 | -116.822 | 1.435 | 3.12 | ci9122477 |
| 1999-11-12T05:41:22.910Z | 34.0491667 | -117.2641667 | 12.94 | 3.22 | ci9122121 |
| 1999-11-11T01:15:40.290Z | 34.6495 | -116.2901667 | 4.464 | 3.15 | ci7161143 |
| 1999-11-11T00:39:18.390Z | 34.351 | -116.464 | 7.196 | 3.51 | ci9121805 |
| 1999-11-10T04:15:26.460Z | 34.524 | -116.287 | -0.192 | 3.36 | ci9121568 |
| 1999-11-08T16:31:19.900Z | 34.601 | -116.275 | -0.61 | 3.43 | ci9121111 |
| 1999-11-07T11:37:57.700Z | 34.6356667 | -116.3218333 | 1.764 | 3.1 | ci9120783 |
| 1999-11-07T09:20:52.410Z | 34.605 | -116.307 | -0.486 | 3.21 | ci9120780 |
| 1999-11-06T00:12:16.660Z | 34.504 | -116.252 | 1.247 | 3.08 | ci7159793 |
| 1999-11-05T18:02:57.520Z | 34.6168333 | -116.2908333 | 3.254 | 3.36 | ci9120287 |
| 1999-11-03T04:37:45.490Z | 34.685 | -116.375 | 0.344 | 3.21 | ci9119438 |
| 1999-11-03T00:32:46.870Z | 34.644 | -116.29 | 2.789 | 3.02 | ci7158805 |
| 1999-11-02T09:08:51.580Z | 34.682 | -116.304 | 0.154 | 3.44 | ci9119285 |
| 1999-11-01T20:19:10.670Z | 33.1593333 | -116.0195 | 5.533 | 3.51 | ci9119111 |
| 1999-11-01T19:11:55.300Z | 34.429 | -116.193 | 2.216 | 3 | ci9119106 |
| 1999-11-01T08:21:47.090Z | 34.553 | -116.263 | 0.79 | 3.27 | ci9118972 |
| 1999-11-01T02:00:28.580Z | 34.323 | -116.118 | -0.839 | 3.42 | ci9118869 |
| 1999-11-01T01:53:46.400Z | 34.305 | -116.851 | -1.336 | 3.15 | ci9118857 |
| 1999-10-31T18:59:25.880Z | 34.425 | -116.184 | 2.748 | 3.44 | ci9118682 |
| 1999-10-31T07:00:56.630Z | 34.581 | -116.265 | -0.563 | 3.23 | ci9118527 |
| 1999-10-29T20:57:46.910Z | 34.562 | -116.229 | 9.077 | 3.05 | ci9118062 |
| 1999-10-29T16:22:51.240Z | 34.566 | -116.258 | -0.123 | 3.52 | ci9117998 |
| 1999-10-29T16:05:59.600Z | 34.526 | -116.241 | 6.427 | 3.47 | ci9117989 |
| 1999-10-29T12:36:37.510Z | 34.522 | -116.273 | -0.533 | 4.31 | ci9117942 |
| 1999-10-28T22:36:15.200Z | 34.509 | -116.271 | 0.329 | 3.1 | ci9117730 |
| 1999-10-28T17:10:45.810Z | 34.537 | -116.287 | -0.913 | 3.37 | ci9117629 |
| 1999-10-28T16:39:20.380Z | 34.615 | -116.268 | -1.242 | 3.13 | ci9117615 |
| 1999-10-28T00:42:37.130Z | 34.678 | -116.362 | 1.522 | 3.18 | ci9117354 |
| 1999-10-27T22:35:38.910Z | 34.441 | -116.207 | -0.082 | 3.39 | ci9117315 |
| 1999-10-27T20:18:42.130Z | 34.53 | -116.279 | 6.047 | 3.08 | ci9117273 |
| 1999-10-27T19:47:06.260Z | 34.623 | -116.263 | -0.591 | 3.43 | ci9117255 |
| 1999-10-27T08:22:38.610Z | 34.617 | -116.242 | 1.579 | 3.28 | ci9117071 |
| 1999-10-27T03:46:26.760Z | 34.67 | -116.305 | 0.229 | 3.21 | ci9117009 |
| 1999-10-27T03:26:43.950Z | 34.555 | -116.264 | 0.567 | 3.05 | ci9116996 |

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|---|---|---|---|---|---|
| 1999-10-26T22:44:00.270Z | 34.649 | -116.293 | 2.129 | 3.06 | ci9116913 |
| 1999-10-26T04:29:02.590Z | 34.626 | -116.242 | -1.021 | 3.18 | ci9116574 |
| 1999-10-26T03:51:20.510Z | 34.521 | -116.271 | -0.474 | 3.29 | ci9116552 |
| 1999-10-25T20:02:34.000Z | 34.49 | -116.266 | 1.029 | 3.69 | ci9116365 |
| 1999-10-25T18:26:00.630Z | 34.617 | -116.243 | -0.764 | 4.63 | ci3321011 |
| 1999-10-25T18:24:45.780Z | 34.53 | -116.29 | -0.251 | 3.65 | ci9116355 |
| 1999-10-25T17:17:58.480Z | 34.645 | -116.316 | -1.111 | 3.16 | ci9116328 |
| 1999-10-25T07:20:46.230Z | 34.613 | -116.293 | -1.084 | 3.03 | ci9116171 |
| 1999-10-24T23:06:58.220Z | 34.681 | -116.321 | 1.539 | 3.12 | ci9116041 |
| 1999-10-24T18:00:29.930Z | 34.656 | -116.308 | 1.259 | 3.03 | ci9115929 |
| 1999-10-24T04:25:28.940Z | 34.367 | -116.194 | 0.858 | 3.36 | ci9115657 |
| 1999-10-24T02:21:59.620Z | 34.668 | -116.289 | 0.949 | 3.48 | ci9115626 |
| 1999-10-23T13:02:44.450Z | 34.436 | -116.261 | 4.42 | 3.09 | ci9115373 |
| 1999-10-23T12:16:25.100Z | 34.34 | -116.136 | 1.871 | 3.19 | ci3326001 |
| 1999-10-22T23:11:32.750Z | 34.663 | -116.284 | -0.702 | 3.06 | ci9115061 |
| 1999-10-22T22:14:32.200Z | 34.6549988 | -116.3388367 | 4.268 | 3.34 | ci9623368 |
| 1999-10-22T16:42:38.230Z | 34.582 | -116.259 | -1.216 | 3.28 | ci9114854 |
| 1999-10-22T15:07:06.290Z | 34.567 | -116.257 | -1.226 | 3.46 | ci9114796 |
| 1999-10-22T13:42:51.890Z | 34.412 | -116.193 | 1.634 | 3.36 | ci3321597 |
| 1999-10-22T12:40:52.530Z | 34.336 | -116.207 | 8.35 | 4.18 | ci9114763 |
| 1999-10-22T11:34:23.650Z | 34.597 | -116.266 | -1.169 | 3.79 | ci3324595 |
| 1999-10-22T03:49:33.490Z | 34.509 | -116.269 | -1.169 | 3.98 | ci9114563 |
| 1999-10-22T01:58:43.080Z | 34.564 | -116.262 | -1.226 | 3.95 | ci9114515 |
| 1999-10-22T01:17:44.250Z | 34.521 | -116.258 | -1.206 | 3.33 | ci9114503 |
| 1999-10-21T22:57:14.700Z | 34.3499985 | -116.4546661 | 6.004 | 3.02 | ci9619536 |
| 1999-10-21T14:59:11.900Z | 34.654 | -116.292 | 0.349 | 3.16 | ci9114252 |
| 1999-10-21T08:14:37.400Z | 34.682 | -116.306 | -0.806 | 3.23 | ci9114115 |
| 1999-10-21T05:47:38.870Z | 34.528 | -116.27 | -1.063 | 3.8 | ci9114042 |
| 1999-10-21T04:14:29.690Z | 34.644 | -116.304 | 0.284 | 3.12 | ci3324427 |
| 1999-10-21T02:04:05.500Z | 34.3683319 | -116.1920013 | -0.893 | 3.07 | ci9619012 |
| 1999-10-20T22:17:45.070Z | 34.538 | -116.294 | -1.211 | 3.29 | ci9113811 |
| 1999-10-20T19:47:23.890Z | 34.594 | -116.29 | 0.067 | 3.58 | ci9113752 |
| 1999-10-20T16:40:57.010Z | 34.67 | -116.358 | 1.954 | 4.12 | ci9113677 |
| 1999-10-20T14:21:16.510Z | 34.606 | -116.298 | -1.216 | 3.08 | ci9113622 |
| 1999-10-20T10:44:37.050Z | 34.51 | -116.326 | -0.111 | 3.2 | ci3320872 |
| 1999-10-20T08:32:44.100Z | 34.569 | -116.253 | -1.221 | 3.21 | ci3326713 |
| 1999-10-20T04:22:45.190Z | 34.603 | -116.284 | -1.211 | 3 | ci9113394 |
| 1999-10-20T02:42:39.090Z | 34.593 | -116.232 | -1.211 | 3.98 | ci3324589 |
| 1999-10-20T02:39:12.340Z | 34.596 | -116.232 | -1.211 | 3.56 | ci3324587 |
| 1999-10-20T02:26:44.370Z | 34.595 | -116.301 | -1.211 | 3.02 | ci9113342 |
| 1999-10-20T02:09:27.410Z | 34.668 | -116.354 | 1.892 | 3.39 | ci3326791 |
| 1999-10-20T02:05:24.220Z | 34.513 | -116.252 | 0.079 | 3.23 | ci9113336 |
| 1999-10-20T02:04:52.550Z | 34.495 | -116.21 | 5 | 3.2 | usp0009g98 |

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|---|---|---|---|---|---|
| 1999-10-20T01:51:31.820Z | 34.651 | -116.339 | -0.272 | 3.1 | ci9113294 |
| 1999-10-20T00:48:39.120Z | 34.603 | -116.281 | -1.211 | 3.55 | ci3326785 |
| 1999-10-20T00:08:16.540Z | 34.591 | -116.289 | -0.701 | 3.11 | ci9113213 |
| 1999-10-19T22:21:12.820Z | 34.483 | -116.265 | 0.069 | 3.48 | ci9113151 |
| 1999-10-19T20:48:43.180Z | 34.3086662 | -116.086998 | 4.563 | 3.09 | ci9606928 |
| 1999-10-19T20:11:51.870Z | 34.422 | -116.194 | 2.048 | 3.34 | ci7152609 |
| 1999-10-19T19:50:44.040Z | 34.613 | -116.239 | -1.211 | 3.15 | ci7152605 |
| 1999-10-19T10:39:18.890Z | 34.594 | -116.297 | -0.301 | 4.14 | ci3326751 |
| 1999-10-19T08:54:41.740Z | 34.504 | -116.25 | -1.211 | 3.22 | ci9112590 |
| 1999-10-19T08:40:35.910Z | 34.436 | -116.249 | 0.208 | 3.28 | ci9112567 |
| 1999-10-19T04:40:05.050Z | 34.659 | -116.284 | -1.221 | 3.02 | ci9112379 |
| 1999-10-19T03:32:31.130Z | 34.435 | -116.262 | -0.99 | 3.07 | ci9112335 |
| 1999-10-19T03:32:21.130Z | 34.483 | -116.264 | -0.273 | 3.19 | ci3323962 |
| 1999-10-19T02:38:52.850Z | 34.375 | -116.191 | -1.152 | 3.78 | ci9112308 |
| 1999-10-19T00:51:33.860Z | 34.368 | -116.137 | -0.047 | 3.09 | ci9112165 |
| 1999-10-19T00:00:48.160Z | 34.375 | -116.1968333 | -1.142 | 3.12 | ci9112136 |
| 1999-10-18T21:34:18.680Z | 34.2976685 | -116.9639969 | 5.897 | 3.35 | ci9590936 |
| 1999-10-18T21:34:15.420Z | 34.085 | -116.852 | 1.604 | 3.25 | ci9112030 |
| 1999-10-18T21:27:16.380Z | 34.664 | -116.29 | -0.056 | 3.34 | ci9112019 |
| 1999-10-18T17:17:38.540Z | 33.307 | -116.298 | 9.293 | 3.15 | ci9111807 |
| 1999-10-18T17:10:32.280Z | 34.453 | -116.286 | -1.219 | 3.39 | ci9111790 |
| 1999-10-18T16:44:50.360Z | 34.453 | -116.291 | -1.211 | 3.65 | ci9111770 |
| 1999-10-18T16:30:38.240Z | 34.318 | -116.071 | -1.027 | 3.02 | ci9111756 |
| 1999-10-18T16:05:11.620Z | 34.654 | -116.302 | 0.379 | 3.34 | ci9111745 |
| 1999-10-18T13:21:22.000Z | 34.325 | -116.671 | -1.366 | 3.27 | ci9111606 |
| 1999-10-18T12:23:02.860Z | 34.505 | -116.267 | -1.063 | 3.17 | ci9111563 |
| 1999-10-18T10:17:40.520Z | 34.563 | -116.257 | -1.063 | 3.66 | ci9111484 |
| 1999-10-18T08:30:31.420Z | 34.576 | -116.294 | -1.211 | 3.53 | ci7151403 |
| 1999-10-18T07:07:36.850Z | 34.509 | -116.26 | -0.671 | 3.53 | ci9111372 |
| 1999-10-18T06:58:28.130Z | 34.583 | -116.259 | -1.063 | 3.68 | ci9111366 |
| 1999-10-18T06:35:47.360Z | 34.3595 | -116.1493333 | -0.924 | 4.59 | ci9111353 |
| 1999-10-18T04:42:02.020Z | 34.424 | -116.243 | -1.162 | 3.05 | ci9111313 |
| 1999-10-18T04:33:31.850Z | 34.637 | -116.297 | 1.569 | 3.17 | ci9111302 |
| 1999-10-18T02:56:42.490Z | 34.668 | -116.276 | -1.073 | 3.73 | ci9111249 |
| 1999-10-18T00:47:48.410Z | 34.617 | -116.302 | 1.479 | 3.21 | ci3344738 |
| 1999-10-18T00:46:11.860Z | 34.336 | -116.997 | 8.628 | 3.08 | ci9111163 |
| 1999-10-17T23:54:46.290Z | 34.3636667 | -116.1443333 | -0.594 | 3.55 | ci9111114 |
| 1999-10-17T23:29:16.100Z | 34.49 | -116.269 | -1.172 | 3.22 | ci9111096 |
| 1999-10-17T22:56:20.400Z | 34.5453333 | -116.3066667 | 4.779 | 3.62 | ci3321280 |
| 1999-10-17T21:52:37.480Z | 34.674 | -116.343 | 2.058 | 3 | ci9110996 |
| 1999-10-17T20:43:15.300Z | 34.434 | -116.242 | -1.172 | 3.41 | ci9110952 |
| 1999-10-17T20:14:20.050Z | 34.471 | -116.229 | -1.169 | 3.21 | ci3320816 |
| 1999-10-17T20:14:05.470Z | 34.5063333 | -116.2768333 | 0.069 | 3.21 | ci9110889 |

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|---|---|---|---|---|---|
| 1999-10-17T20:10:22.090Z | 34.3426667 | -116.1203333 | -0.947 | 3.04 | ci9110876 |
| 1999-10-17T19:06:44.270Z | 34.5346667 | -116.3565 | -1.196 | 3.1 | ci3321412 |
| 1999-10-17T19:05:22.210Z | 34.6003333 | -116.2356667 | 4.527 | 3.28 | ci9110824 |
| 1999-10-17T18:02:56.240Z | 34.6661667 | -116.2948333 | 1.274 | 3.7 | ci3321054 |
| 1999-10-17T17:19:11.580Z | 34.521 | -116.307 | -1.221 | 3.44 | ci9110733 |
| 1999-10-17T16:39:11.160Z | 34.5715 | -116.264 | -1.063 | 3.01 | ci9110683 |
| 1999-10-17T16:32:53.260Z | 34.362 | -116.138 | -1.139 | 4.18 | ci3320801 |
| 1999-10-17T16:32:40.670Z | 34.3625 | -116.1448333 | -0.634 | 4.09 | ci9110704 |
| 1999-10-17T16:24:07.030Z | 34.4088333 | -116.1981667 | 0.857 | 3.04 | ci3324137 |
| 1999-10-17T16:22:48.200Z | 34.3533333 | -116.1425 | -0.744 | 4.23 | ci9110685 |
| 1999-10-17T15:50:36.260Z | 34.345 | -116.137 | -0.457 | 3.6 | ci9110665 |
| 1999-10-17T15:23:54.100Z | 34.4581667 | -116.2436667 | -0.229 | 3.03 | ci9110653 |
| 1999-10-17T14:59:10.570Z | 34.5425 | -116.2898333 | 4.927 | 3.37 | ci9110631 |
| 1999-10-17T14:21:17.470Z | 34.0805 | -116.8568333 | 2.156 | 3.11 | ci3321015 |
| 1999-10-17T14:15:51.180Z | 34.648 | -116.285 | 0.454 | 3.82 | ci3321014 |
| 1999-10-17T12:13:58.140Z | 34.478 | -116.254 | -1.063 | 3.48 | ci9110439 |
| 1999-10-17T10:43:50.930Z | 34.627 | -116.308 | -0.671 | 3.2 | ci9110377 |
| 1999-10-17T10:41:45.690Z | 34.664 | -116.297 | 2.294 | 3.87 | ci9110390 |
| 1999-10-17T10:37:45.260Z | 34.315 | -116.124 | -0.384 | 3.03 | ci9110381 |
| 1999-10-17T10:37:39.420Z | 34.31 | -116.124 | 1.011 | 3.27 | ci3323954 |
| 1999-10-17T10:06:42.550Z | 34.422 | -116.207 | -1.162 | 3.04 | ci9110357 |
| 1999-10-17T09:45:57.030Z | 34.612 | -116.318 | -1.211 | 3.54 | ci9110340 |
| 1999-10-17T09:43:36.050Z | 34.614 | -116.321 | -1.221 | 3.17 | ci9110331 |
| 1999-10-17T09:09:24.900Z | 34.426 | -116.181 | 1.187 | 3.05 | ci9110310 |
| 1999-10-17T09:04:09.640Z | 34.614 | -116.287 | 4.927 | 3.13 | ci9110313 |
| 1999-10-17T08:44:54.050Z | 34.592 | -116.276 | -1.211 | 3.21 | ci9110296 |
| 1999-10-17T08:22:11.480Z | 34.557 | -116.258 | -1.063 | 3.77 | ci9110281 |
| 1999-10-17T07:50:22.740Z | 34.667 | -116.294 | -0.316 | 3.33 | ci9110259 |
| 1999-10-17T07:15:32.520Z | 34.629 | -116.312 | -1.221 | 3.2 | ci9110201 |
| 1999-10-17T07:09:43.080Z | 34.564 | -116.264 | -0.599 | 3.15 | ci9110211 |
| 1999-10-17T07:03:12.990Z | 34.544 | -116.311 | -1.211 | 3.18 | ci9110188 |
| 1999-10-17T05:12:22.490Z | 34.501 | -116.263 | -1.211 | 3.06 | ci9110139 |
| 1999-10-17T05:03:11.710Z | 34.661 | -116.284 | -0.841 | 3.13 | ci9110122 |
| 1999-10-17T04:58:15.850Z | 34.607 | -116.289 | -1.211 | 3.59 | ci9110126 |
| 1999-10-17T04:53:32.530Z | 33.22 | -115.622 | 3.138 | 3.2 | ci9110111 |
| 1999-10-17T04:45:24.380Z | 34.504 | -116.281 | -1.063 | 3.43 | ci9110113 |
| 1999-10-17T04:35:22.560Z | 34.678 | -116.36 | 2.014 | 3.26 | ci9110103 |
| 1999-10-17T04:34:25.870Z | 34.463 | -116.248 | -1.209 | 3.28 | ci9110097 |
| 1999-10-17T04:21:59.810Z | 34.627 | -116.224 | -1.221 | 3.02 | ci9110081 |
| 1999-10-17T04:02:35.070Z | 34.601 | -116.268 | -1.043 | 3.01 | ci9110062 |
| 1999-10-17T03:59:10.980Z | 34.405 | -116.171 | -1.172 | 3.34 | ci9110056 |
| 1999-10-17T02:28:57.320Z | 34.537 | -116.256 | -1.211 | 3.3 | ci9109846 |
| 1999-10-17T02:09:43.410Z | 34.362 | -116.143 | -0.417 | 3.36 | ci3321043 |

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|---|---|---|---|---|---|
| 1999-10-17T01:57:13.890Z | 34.522 | -116.286 | -1.053 | 3.73 | ci9109799 |
| 1999-10-17T01:50:35.830Z | 34.673 | -116.294 | 0.874 | 3.16 | ci3323952 |
| 1999-10-17T01:49:39.830Z | 34.423 | -116.183 | -0.99 | 3.13 | ci9109793 |
| 1999-10-17T01:47:49.000Z | 34.67 | -116.293 | 1.699 | 3.01 | ci9109776 |
| 1999-10-17T00:47:25.310Z | 34.612 | -116.235 | 4.927 | 3.41 | ci9109763 |
| 1999-10-17T00:44:52.020Z | 34.607 | -116.293 | -1.219 | 3.22 | ci9109958 |
| 1999-10-17T00:36:17.540Z | 34.294 | -116.058 | -1.027 | 3.41 | ci9109752 |
| 1999-10-17T00:27:48.550Z | 34.488 | -116.242 | -0.233 | 3.54 | ci9109705 |
| 1999-10-16T23:52:10.010Z | 34.6676667 | -116.3183333 | 2.892 | 3.15 | ci3323951 |
| 1999-10-16T23:49:33.510Z | 34.542 | -116.305 | -1.221 | 3.06 | ci9109676 |
| 1999-10-16T22:54:08.220Z | 34.658 | -116.334 | -0.167 | 3.97 | ci3321581 |
| 1999-10-16T22:25:28.220Z | 34.452 | -116.251 | -0.942 | 3.22 | ci3320791 |
| 1999-10-16T22:20:28.480Z | 34.629 | -116.328 | -1.211 | 3 | ci9109573 |
| 1999-10-16T22:13:14.480Z | 34.566 | -116.253 | -1.064 | 3.04 | ci9109595 |
| 1999-10-16T21:53:57.530Z | 34.4281667 | -116.2015 | -1.152 | 3.25 | ci9109904 |
| 1999-10-16T21:10:50.520Z | 34.6698333 | -116.3416667 | 1.654 | 3.94 | ci9109496 |
| 1999-10-16T20:22:30.280Z | 34.606 | -116.308 | -1.211 | 3.49 | ci9109465 |
| 1999-10-16T20:18:58.840Z | 34.5793333 | -116.2713333 | -1.221 | 3.14 | ci9109421 |
| 1999-10-16T20:15:54.290Z | 34.5188333 | -116.1588333 | 4.668 | 3.15 | ci9109402 |
| 1999-10-16T20:08:07.440Z | 34.506 | -116.285 | -0.562 | 3.12 | ci9109429 |
| 1999-10-16T20:07:28.690Z | 34.586 | -116.303 | -1.156 | 3 | ci3325088 |
| 1999-10-16T19:48:15.300Z | 34.4858333 | -116.2656667 | -1.172 | 3 | ci3325082 |
| 1999-10-16T19:39:55.440Z | 34.674 | -116.303 | -0.966 | 3.47 | ci9109876 |
| 1999-10-16T19:25:38.190Z | 34.372 | -116.148 | -0.952 | 3.15 | ci9109361 |
| 1999-10-16T19:25:01.350Z | 34.669 | -116.283 | -1.221 | 3.1 | ci9109871 |
| 1999-10-16T19:15:09.280Z | 34.607 | -116.28 | -1.063 | 3.67 | ci9109342 |
| 1999-10-16T18:18:39.360Z | 34.659 | -116.298 | 4.289 | 3.06 | ci9109284 |
| 1999-10-16T18:13:07.760Z | 34.589 | -116.275 | -1.221 | 3.37 | ci9109281 |
| 1999-10-16T18:05:22.720Z | 34.568 | -116.265 | -1.221 | 3.73 | ci9109267 |
| 1999-10-16T18:01:51.730Z | 34.681 | -116.304 | 1.891 | 3 | ci3321272 |
| 1999-10-16T17:55:16.500Z | 34.532 | -116.245 | -0.271 | 3.1 | ci9109260 |
| 1999-10-16T17:48:31.360Z | 33.268 | -115.717 | 0.768 | 3.53 | ci9109243 |
| 1999-10-16T17:46:42.250Z | 34.4755 | -116.263 | -1.183 | 3.2 | ci3325061 |
| 1999-10-16T17:46:34.120Z | 34.435 | -116.216 | -1.172 | 3 | ci3325062 |
| 1999-10-16T17:38:48.650Z | 34.43 | -116.252 | -1.162 | 4.58 | ci9109254 |
| 1999-10-16T17:37:04.980Z | 33.215 | -115.646 | 2.179 | 3.09 | ci9109258 |
| 1999-10-16T17:22:21.560Z | 34.554 | -116.25 | -1.211 | 3.27 | ci9109169 |
| 1999-10-16T17:21:55.130Z | 34.605 | -116.251 | -1.211 | 3.28 | ci9109230 |
| 1999-10-16T17:21:01.110Z | 34.476 | -116.264 | -1.221 | 3.26 | ci9112279 |
| 1999-10-16T17:20:20.740Z | 34.6811667 | -116.3615 | 1.274 | 3.2 | ci9109232 |
| 1999-10-16T17:02:46.050Z | 34.647 | -116.347 | -1.374 | 3.4 | ci9109162 |
| 1999-10-16T17:02:22.760Z | 34.604 | -116.236 | -1.162 | 3.2 | ci3322145 |
| 1999-10-16T16:58:08.090Z | 34.49 | -116.27 | -1.221 | 3 | ci3321266 |

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|---|---|---|---|---|---|
| 1999-10-16T16:57:29.590Z | 34.576 | -116.271 | -0.591 | 3.3 | ci3321259 |
| 1999-10-16T16:56:28.450Z | 34.5905 | -116.3001667 | -0.414 | 3 | ci3321265 |
| 1999-10-16T16:55:58.580Z | 33.788 | -116.117 | 10.087 | 3.6 | ci3321258 |
| 1999-10-16T16:54:30.880Z | 34.613 | -116.442 | -1.379 | 3.28 | ci3321260 |
| 1999-10-16T16:50:10.100Z | 34.6783333 | -116.2905 | 4.379 | 3.2 | ci3321257 |
| 1999-10-16T16:38:59.860Z | 34.567 | -116.256 | -1.211 | 3.17 | ci9109154 |
| 1999-10-16T16:31:30.540Z | 34.6663333 | -116.303 | 0.439 | 3.56 | ci7149405 |
| 1999-10-16T16:25:06.990Z | 34.512 | -116.258 | 4.779 | 3.15 | ci3320777 |
| 1999-10-16T16:24:00.280Z | 34.602 | -116.293 | 4.779 | 3.39 | ci3320776 |
| 1999-10-16T16:22:57.970Z | 34.678 | -116.301 | -1.221 | 3.83 | ci7149398 |
| 1999-10-16T16:12:08.610Z | 34.521 | -116.268 | -1.211 | 3.61 | ci9109141 |
| 1999-10-16T16:08:24.570Z | 34.68 | -116.309 | -0.391 | 4.03 | ci9109131 |
| 1999-10-16T16:05:00.870Z | 34.425 | -116.209 | -1.162 | 3.19 | ci3325059 |
| 1999-10-16T16:00:32.590Z | 34.602 | -116.292 | 4.626 | 3.26 | ci9109120 |
| 1999-10-16T15:53:04.600Z | 34.6625 | -116.2958333 | 0.139 | 3.07 | ci9109114 |
| 1999-10-16T15:42:29.270Z | 34.51 | -116.246 | -1.152 | 3.12 | ci9112208 |
| 1999-10-16T15:41:40.660Z | 34.583 | -116.276 | -0.281 | 3.36 | ci9109103 |
| 1999-10-16T15:38:33.420Z | 34.3701667 | -116.1588333 | 3.868 | 3.74 | ci9109099 |
| 1999-10-16T15:31:45.860Z | 34.619 | -116.2995 | -1.221 | 3.51 | ci9109085 |
| 1999-10-16T15:27:10.480Z | 34.487 | -116.25 | 0.088 | 3.09 | ci9109057 |
| 1999-10-16T15:23:50.990Z | 34.383 | -116.474 | 0.076 | 3 | ci9109055 |
| 1999-10-16T15:21:11.570Z | 34.417 | -116.24 | 0.258 | 3.09 | ci9109051 |
| 1999-10-16T15:18:54.200Z | 34.4765 | -116.2541667 | -1.191 | 3.2 | ci9109036 |
| 1999-10-16T15:11:43.710Z | 34.603 | -116.306 | -1.211 | 3.3 | ci9109027 |
| 1999-10-16T14:53:45.260Z | 34.6645 | -116.3631667 | 2.138 | 3.18 | ci9112184 |
| 1999-10-16T14:52:35.030Z | 34.495 | -116.258 | -1.162 | 3.74 | ci9109043 |
| 1999-10-16T14:48:44.540Z | 34.5286667 | -116.2655 | 4.779 | 3.15 | ci9109002 |
| 1999-10-16T14:44:24.300Z | 34.585 | -116.299 | -1.374 | 3.49 | ci9109000 |
| 1999-10-16T14:43:44.230Z | 34.452 | -116.233 | -0.802 | 3.65 | ci9112176 |
| 1999-10-16T14:43:11.070Z | 34.461 | -116.215 | 0.564 | 3.15 | ci9109030 |
| 1999-10-16T14:31:52.760Z | 34.4761667 | -116.2705 | 4.828 | 3.06 | ci9108995 |
| 1999-10-16T14:24:26.540Z | 34.6500015 | -116.2949982 | 5.844 | 3.05 | ci9578928 |
| 1999-10-16T14:17:10.900Z | 34.4878333 | -116.2566667 | -1.172 | 3.06 | ci9108969 |
| 1999-10-16T14:07:05.400Z | 34.3713333 | -116.1371667 | -0.322 | 3.4 | ci3322136 |
| 1999-10-16T14:06:34.450Z | 34.5718333 | -116.244 | 1.589 | 3.46 | ci9108962 |
| 1999-10-16T14:01:56.760Z | 33.7941667 | -116.121 | 5.022 | 3.13 | ci9108953 |
| 1999-10-16T13:55:23.560Z | 33.274 | -115.7166667 | 4.402 | 3.52 | ci9520938 |
| 1999-10-16T13:51:17.620Z | 34.4505 | -116.233 | -1.172 | 4.24 | ci9108964 |
| 1999-10-16T13:50:33.790Z | 34.5513344 | -116.3366699 | 4.307 | 3.5 | ci9578860 |
| 1999-10-16T13:47:05.160Z | 34.5558319 | -116.2874985 | 4.421 | 3.09 | ci9578856 |
| 1999-10-16T13:42:50.080Z | 33.7963333 | -116.1215 | 8.741 | 3.55 | ci9108920 |
| 1999-10-16T13:37:02.270Z | 33.8018333 | -116.1186667 | 12.982 | 3.25 | ci9108916 |
| 1999-10-16T13:34:56.540Z | 34.6 | -116.301 | -1.211 | 3.65 | ci9108915 |

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|---|---|---|---|---|---|
| 1999-10-16T13:32:20.930Z | 34.4276667 | -116.214 | -1.172 | 3.62 | ci9108902 |
| 1999-10-16T13:26:11.780Z | 34.519 | -116.267 | -1.162 | 3.01 | ci9108897 |
| 1999-10-16T13:25:01.560Z | 34.658 | -116.292 | 4.748 | 3 | ci3325055 |
| 1999-10-16T13:23:54.840Z | 34.604 | -116.283 | 4.626 | 3.57 | ci9108890 |
| 1999-10-16T13:23:09.780Z | 34.34 | -116.137 | -0.934 | 3.17 | ci3321255 |
| 1999-10-16T13:22:10.530Z | 34.555 | -116.274 | -0.071 | 3.93 | ci9108924 |
| 1999-10-16T13:14:56.470Z | 34.475 | -116.221 | -0.951 | 3.17 | ci9108878 |
| 1999-10-16T13:13:59.030Z | 34.555 | -116.243 | -0.582 | 3.31 | ci9108873 |
| 1999-10-16T13:09:09.010Z | 34.433 | -116.246 | 0.438 | 3.27 | ci9108861 |
| 1999-10-16T13:05:20.550Z | 34.6811667 | -116.3058333 | 4.559 | 3.75 | ci9109241 |
| 1999-10-16T12:57:21.060Z | 34.4415 | -116.2525 | 0.838 | 5.37 | ci3320736 |
| 1999-10-16T12:55:09.650Z | 34.505 | -116.26 | -1.171 | 4.42 | ci9108881 |
| 1999-10-16T12:51:50.950Z | 34.368 | -116.132 | -0.717 | 3.66 | ci9108876 |
| 1999-10-16T12:37:19.650Z | 34.5388333 | -116.3048333 | -1.314 | 3.74 | ci9108864 |
| 1999-10-16T12:20:22.280Z | 34.5576667 | -116.267 | -0.542 | 3.12 | ci9108815 |
| 1999-10-16T12:15:08.670Z | 34.6028333 | -116.2885 | -1.234 | 3.67 | ci9108846 |
| 1999-10-16T12:14:11.780Z | 34.6823333 | -116.3628333 | 0.086 | 3.56 | ci9109053 |
| 1999-10-16T12:13:03.640Z | 34.624 | -116.297 | 2.099 | 3.44 | ci9108794 |
| 1999-10-16T12:03:34.960Z | 34.6513333 | -116.2966667 | 4.983 | 3.5 | ci9109017 |
| 1999-10-16T11:55:37.570Z | 34.444 | -116.264 | 0.178 | 3.88 | ci9108771 |
| 1999-10-16T11:55:31.670Z | 34.564 | -116.284 | -1.314 | 3 | ci3325053 |
| 1999-10-16T11:51:44.720Z | 34.4708333 | -116.2315 | -1.064 | 3.45 | ci9108823 |
| 1999-10-16T11:50:40.350Z | 34.6781667 | -116.3611667 | 4.484 | 3.2 | ci9108991 |
| 1999-10-16T11:47:43.910Z | 34.681 | -116.347 | -0.023 | 3.78 | ci9108760 |
| 1999-10-16T11:38:50.250Z | 34.506 | -116.307 | 4.779 | 3.89 | ci9108753 |
| 1999-10-16T11:36:38.290Z | 34.5118333 | -116.2776667 | 4.947 | 3 | ci9108745 |
| 1999-10-16T11:27:53.760Z | 34.37 | -116.141 | 0.191 | 4.2 | ci3323814 |
| 1999-10-16T11:24:33.920Z | 34.579 | -116.2938333 | 4.989 | 3 | ci9108736 |
| 1999-10-16T11:21:38.720Z | 34.495 | -116.253 | -1.162 | 3.87 | ci9108894 |
| 1999-10-16T11:21:13.420Z | 34.454 | -116.247 | -1.162 | 3 | ci3321290 |
| 1999-10-16T11:20:38.180Z | 34.588 | -116.29 | 0.206 | 3.86 | ci9108765 |
| 1999-10-16T11:20:17.000Z | 34.469 | -116.2601667 | 5.268 | 3.5 | ci10084582 |
| 1999-10-16T11:10:17.350Z | 34.6461678 | -116.3311691 | 4.081 | 3.59 | ci9574948 |
| 1999-10-16T11:07:23.300Z | 34.603 | -116.294 | -1.203 | 3.82 | ci9108859 |
| 1999-10-16T11:06:38.380Z | 34.583 | -116.282 | -1.103 | 4.33 | ci9108750 |
| 1999-10-16T11:06:14.890Z | 34.5885 | -116.2836667 | 5.473 | 3 | ci10084578 |
| 1999-10-16T11:05:27.180Z | 34.4736667 | -116.3 | 5.707 | 3 | ci9108743 |
| 1999-10-16T11:04:32.680Z | 34.432 | -116.205 | 4.707 | 3.88 | ci9108687 |
| 1999-10-16T10:59:46.680Z | 34.6075 | -116.7435 | 4.51 | 3.14 | ci9574924 |
| 1999-10-16T10:54:12.220Z | 34.5205 | -116.2565 | 4.268 | 3.77 | ci9574908 |
| 1999-10-16T10:49:50.700Z | 33.2641667 | -115.6721667 | 6.051 | 3.96 | ci9108673 |
| 1999-10-16T10:35:58.920Z | 34.2028333 | -116.3801667 | 4.986 | 3.75 | ci9574888 |
| 1999-10-16T10:33:47.090Z | 34.6161667 | -116.3293333 | 6.303 | 4.08 | ci9574884 |

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|---|---|---|---|---|---|
| 1999-10-16T10:32:24.750Z | 34.3688333 | -116.7536667 | 6.226 | 3.52 | ci9574880 |
| 1999-10-16T10:31:15.790Z | 34.6475 | -116.3258333 | 4.43 | 4.04 | ci9574876 |
| 1999-10-16T10:29:41.560Z | 34.5265 | -116.3755 | 8.84 | 4.28 | ci37366733 |
| 1999-10-16T10:27:10.360Z | 34.2045 | -116.585 | 5.981 | 3.38 | ci9574864 |
| 1999-10-16T10:25:55.250Z | 34.1873333 | -116.5545 | 6.125 | 3.93 | ci9574868 |
| 1999-10-16T10:21:20.970Z | 34.54 | -116.266 | -0.514 | 4.5 | ci3321286 |
| 1999-10-16T10:20:52.660Z | 34.362 | -116.148 | -1.009 | 4.76 | ci9108709 |
| 1999-10-16T10:18:47.900Z | 34.6423333 | -116.299 | 5.72 | 4.01 | ci9108649 |
| 1999-10-16T10:14:35.350Z | 33.8901667 | -116.9215 | 8.297 | 3.33 | ci9574832 |
| 1999-10-16T10:12:19.720Z | 34.5036667 | -116.2348333 | -0.212 | 4.03 | ci9108647 |
| 1999-10-16T10:10:48.900Z | 34.6388333 | -116.2865 | -1.1 | 4.36 | ci9108699 |
| 1999-10-16T10:10:33.840Z | 34.594 | -116.278 | 4.9 | 3 | ci9108780 |
| 1999-10-16T10:09:54.620Z | 34.671 | -116.292 | 0.72 | 3.99 | ci3320876 |
| 1999-10-16T10:06:54.560Z | 34.353 | -116.15 | 4.828 | 3.03 | ci3327074 |
| 1999-10-16T10:04:54.100Z | 34.6235 | -116.2948333 | 4.787 | 4.11 | ci3320857 |
| 1999-10-16T10:02:39.820Z | 34.584 | -116.262 | -1.203 | 4.48 | ci3320849 |
| 1999-10-16T09:59:38.000Z | 34.24 | -117.04 | 6 | 5.6 | ci10180015 |
| 1999-10-16T09:59:35.390Z | 34.6781667 | -116.2895 | 13.906 | 5.77 | ci3320848 |
| 1999-10-16T09:58:02.400Z | 34.53 | -116.26 | 4.787 | 3 | ci3327080 |
| 1999-10-16T09:56:30.320Z | 33.286 | -115.647 | 2.558 | 4.47 | ci3327072 |
| 1999-10-16T09:55:45.970Z | 34.536 | -116.311 | 4.622 | 4.02 | ci3327071 |
| 1999-10-16T09:54:54.930Z | 34.617 | -116.289 | 1.527 | 4.25 | ci3327070 |
| 1999-10-16T09:52:53.970Z | 34.502 | -116.203 | 4.897 | 4.98 | ci3320847 |
| 1999-10-16T09:52:15.800Z | 34.609 | -116.286 | 4.57 | 4.15 | ci3327069 |
| 1999-10-16T09:51:48.330Z | 34.4451667 | -116.2636667 | -0.849 | 4.77 | ci3320846 |
| 1999-10-16T09:50:49.150Z | 34.221 | -116.366 | 5.175 | 3 | ci3327068 |
| 1999-10-16T09:47:43.760Z | 33.232 | -115.66 | 6.035 | 4.7 | ci3327063 |
| 1999-10-16T09:46:44.460Z | 34.6033333 | -116.265 | 13.73 | 7.1 | ci9108652 |
| 1999-10-16T02:41:04.690Z | 34.594 | -116.27 | -1.063 | 3.7 | ci9108606 |
| 1999-10-03T11:54:06.190Z | 33.049 | -115.902 | 1.326 | 3.32 | ci9107010 |
| 1999-09-20T07:02:49.180Z | 34.322 | -116.846 | 1.494 | 4.12 | ci9105672 |
| 1999-09-12T01:21:20.520Z | 33.937 | -116.359 | 9.007 | 3.17 | ci9104691 |
| 1999-09-07T16:42:09.070Z | 33.339 | -116.209 | 16.551 | 3.35 | ci9104164 |
| 1999-08-18T07:50:05.640Z | 34.396 | -116.469 | 2.646 | 3.09 | ci9101425 |
| 1999-08-10T18:44:21.460Z | 33.27 | -116.005 | 2.426 | 3.45 | ci9100018 |
| 1999-08-09T12:56:33.090Z | 33.264 | -116.001 | 4.146 | 3.26 | ci9099900 |
| 1999-07-19T22:09:27.480Z | 33.632 | -116.717 | 12.904 | 4.15 | ci9096656 |
| 1999-06-25T04:33:08.690Z | 33.225 | -116.013 | 5.686 | 3.12 | ci9093372 |
| 1999-06-22T00:02:16.760Z | 33.264 | -116.004 | 3.345 | 3.06 | ci9092902 |
| 1999-06-15T05:15:37.390Z | 34.167 | -116.441 | 8.696 | 3.02 | ci9091960 |
| 1999-06-12T15:48:35.460Z | 33.966 | -116.407 | 7.797 | 3.07 | ci9091618 |
| 1999-06-03T16:33:07.010Z | 34.067 | -116.365 | 0.916 | 3.69 | ci9090571 |
| 1999-05-14T10:52:35.210Z | 34.033 | -116.359 | 0.926 | 4.15 | ci3317364 |

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|---|---|---|---|---|---|
| 1999-05-14T10:29:33.130Z | 34.068 | -116.364 | 0.226 | 3.21 | ci9086741 |
| 1999-05-14T09:58:40.390Z | 34.064 | -116.368 | -0.924 | 3.13 | ci7129519 |
| 1999-05-14T09:31:57.030Z | 34.036 | -116.36 | -0.944 | 3.35 | ci7129510 |
| 1999-05-14T09:19:13.800Z | 34.03 | -116.356 | -0.934 | 3.14 | ci7129529 |
| 1999-05-14T08:51:42.310Z | 34.034 | -116.364 | -1.26 | 3.8 | ci7129394 |
| 1999-05-14T08:51:30.390Z | 34.043 | -116.353 | -0.814 | 3.7 | ci3317344 |
| 1999-05-14T08:40:33.230Z | 34.039 | -116.362 | 0.856 | 3.38 | ci7129392 |
| 1999-05-14T08:22:07.140Z | 34.028 | -116.355 | 0.496 | 3.94 | ci9086693 |
| 1999-05-14T08:18:34.040Z | 34.076 | -116.371 | 1.176 | 3.48 | ci9086688 |
| 1999-05-14T08:09:11.310Z | 34.022 | -116.355 | -1.28 | 3.16 | ci3317357 |
| 1999-05-14T08:01:48.820Z | 34.068 | -116.371 | -1.28 | 3.08 | ci3317399 |
| 1999-05-14T07:59:42.650Z | 34.063 | -116.374 | -1.27 | 3.45 | ci3317354 |
| 1999-05-14T07:56:07.890Z | 34.056 | -116.371 | -0.734 | 3.4 | ci3317352 |
| 1999-05-14T07:54:03.190Z | 34.062 | -116.366 | 1.036 | 4.93 | ci9086596 |
| 1999-05-05T02:17:46.910Z | 34.069 | -116.371 | 0.926 | 3.57 | ci9085734 |
| 1999-05-02T01:07:59.350Z | 33.955 | -116.318 | 6.841 | 3.7 | ci9085336 |
| 1999-04-24T17:42:17.820Z | 33.985 | -116.405 | 2.886 | 3.05 | ci9084570 |
| 1999-04-21T17:28:18.010Z | 34.138 | -116.768 | 9.031 | 3.87 | ci9084273 |
| 1999-04-16T15:53:51.580Z | 34.484 | -116.511 | 1.928 | 3.15 | ci9083778 |
| 1999-04-15T03:59:02.770Z | 33.165 | -115.639 | 1.632 | 3.11 | ci9083589 |
| 1999-04-15T03:51:53.260Z | 33.166 | -115.641 | 0.847 | 3.29 | ci9083580 |
| 1999-04-13T23:39:58.090Z | 33.983 | -116.402 | 2.216 | 3.34 | ci9083436 |
| 1999-04-11T17:21:10.760Z | 34.319 | -116.841 | 5.428 | 3.07 | ci9083137 |
| 1999-04-03T04:06:15.180Z | 34.144 | -116.433 | 2.156 | 3.11 | ci9082400 |
| 1999-03-28T00:12:06.490Z | 33.734 | -117.061 | 10.989 | 3.36 | ci9081930 |
| 1999-03-22T08:31:29.350Z | 34.034 | -117.224 | 16.044 | 3.79 | ci9081410 |
| 1999-03-11T15:11:23.700Z | 34.328 | -116.846 | 3.662 | 3.03 | ci9080321 |
| 1999-03-05T06:13:02.940Z | 33.968 | -116.352 | 7.086 | 3.41 | ci9079844 |
| 1999-02-19T16:27:50.970Z | 33.201 | -115.986 | 5.99 | 3.47 | ci9078766 |
| 1999-01-24T23:58:51.710Z | 34.317 | -116.843 | 3.208 | 3.37 | ci9076749 |
| 1998-12-12T15:03:11.040Z | 34.01 | -116.774 | 18.807 | 3.54 | ci9073452 |
| 1998-11-15T11:14:56.690Z | 33.224 | -116.064 | 13.561 | 3.38 | ci9071640 |
| 1998-11-10T20:59:35.630Z | 34.151 | -116.425 | 9.176 | 3.45 | ci9071348 |
| 1998-11-05T04:11:36.280Z | 33.934 | -116.95 | 6.045 | 3.01 | ci9070922 |
| 1998-11-04T07:21:37.970Z | 34.316 | -116.842 | 3.338 | 3.11 | ci9070822 |
| 1998-11-01T09:28:52.760Z | 34.319 | -116.848 | 4.358 | 3.08 | ci9070553 |
| 1998-10-29T20:49:45.540Z | 34.319 | -116.851 | 3.158 | 3.35 | ci9070300 |
| 1998-10-29T00:06:13.570Z | 34.316 | -116.844 | 3.858 | 3.04 | ci9070227 |
| 1998-10-27T15:40:17.060Z | 34.32 | -116.85 | 2.468 | 4.09 | ci9070083 |
| 1998-10-27T07:16:06.970Z | 34.324 | -116.851 | 2.698 | 3.64 | ci9070033 |
| 1998-10-27T01:42:32.440Z | 34.319 | -116.845 | 3.378 | 3.11 | ci9069988 |
| 1998-10-27T01:08:40.650Z | 34.323 | -116.844 | 4.078 | 4.82 | ci9069997 |
| 1998-10-25T11:40:48.950Z | 33.966 | -117.176 | 13.624 | 3.01 | ci9069870 |

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**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1998-10-01T18:18:15.960Z | 34.111 | -116.92 | 3.175 | 4.63 | ci7112721 |
| 1998-10-01T13:59:42.690Z | 34.315 | -116.924 | 5.211 | 3.37 | ci7112712 |
| 1998-09-10T15:43:09.780Z | 33.286 | -116.198 | 2.296 | 3.16 | ci9066434 |
| 1998-08-31T00:08:03.200Z | 34.108 | -116.919 | 3.243 | 3.1 | ci9065437 |
| 1998-08-23T15:42:23.720Z | 34.099 | -116.953 | 8.498 | 3.38 | ci9064808 |
| 1998-08-17T23:18:01.700Z | 34.122 | -116.931 | 5.654 | 3.24 | ci9064258 |
| 1998-08-17T09:44:47.140Z | 34.271 | -117.202 | 5.639 | 3.42 | ci9064204 |
| 1998-08-16T19:05:53.620Z | 34.109 | -116.925 | 2.881 | 3 | ci9064128 |
| 1998-08-16T13:34:40.230Z | 34.121 | -116.928 | 4.604 | 4.78 | ci9064093 |
| 1998-07-27T13:55:41.430Z | 33.947 | -116.361 | 6.816 | 3.55 | ci9062109 |
| 1998-07-24T18:51:41.330Z | 33.149 | -116.598 | 17.413 | 3.88 | ci9061904 |
| 1998-07-10T21:29:13.760Z | 33.224 | -116.088 | 12.252 | 4.07 | ci9060065 |
| 1998-07-04T11:15:48.320Z | 34.636 | -116.687 | -0.137 | 3.71 | ci9059472 |
| 1998-06-26T16:55:47.520Z | 33.028 | -115.878 | 3.666 | 3.89 | ci9058311 |
| 1998-06-22T00:07:53.470Z | 34.031 | -116.646 | 11.816 | 3.61 | ci9057907 |
| 1998-06-17T03:45:37.010Z | 34.274 | -116.962 | 8.411 | 3.26 | ci9057512 |
| 1998-06-17T03:19:21.710Z | 34.271 | -116.961 | 8.271 | 3.03 | ci3299987 |
| 1998-06-16T15:42:30.250Z | 33.34 | -116.248 | 14.324 | 3.28 | ci9057477 |
| 1998-06-04T06:07:02.480Z | 33.443 | -116.859 | 11.449 | 3.7 | ci9055663 |
| 1998-05-22T13:46:09.040Z | 34.173 | -117.343 | 10.052 | 3 | ci9054563 |
| 1998-05-09T10:19:06.910Z | 33.162 | -115.642 | 1.213 | 3.09 | ci9053318 |
| 1998-04-17T15:02:05.470Z | 34.609 | -116.628 | 7.903 | 3.6 | ci9050946 |
| 1998-03-16T09:14:51.950Z | 33.435 | -116.422 | 2.471 | 3.01 | ci9046908 |
| 1998-03-13T21:08:13.770Z | 34.015 | -116.78 | 13.546 | 3.08 | ci9046642 |
| 1998-03-11T12:18:51.830Z | 34.024 | -117.23 | 14.421 | 4.45 | ci3298292 |
| 1998-02-07T09:34:58.000Z | 33.79 | -116.974 | 13.9 | 3.1 | ci9042104 |
| 1998-02-03T16:45:34.160Z | 34.111 | -116.914 | 6.095 | 3.47 | ci9041788 |
| 1998-01-26T23:27:28.830Z | 34.624 | -116.672 | 2.793 | 3.16 | ci9041036 |
| 1998-01-23T07:50:17.050Z | 32.975 | -116.449 | 12.391 | 3.15 | ci9040548 |
| 1998-01-13T01:09:34.690Z | 33.232 | -115.577 | 1.892 | 3.85 | ci9039664 |
| 1998-01-12T16:00:29.070Z | 33.234 | -115.569 | 3.28 | 3.22 | ci9039606 |
| 1998-01-07T23:52:45.510Z | 33.194 | -115.603 | 4.542 | 3.4 | ci3297965 |
| 1997-12-31T13:05:46.280Z | 33.193 | -115.61 | 5.558 | 3.1 | ci9037000 |
| 1997-12-31T12:22:45.060Z | 33.192 | -115.608 | 10.282 | 4.07 | ci9036954 |
| 1997-12-27T16:56:41.230Z | 33.312 | -115.695 | 2.003 | 3.53 | ci9036406 |
| 1997-12-26T15:05:32.290Z | 33.32 | -115.689 | 10.193 | 3.68 | ci9036250 |
| 1997-12-05T17:04:38.920Z | 34.097 | -116.996 | 3.069 | 4.08 | ci9033757 |
| 1997-12-04T08:30:57.370Z | 33.163 | -115.655 | 2.472 | 3.44 | ci9033605 |
| 1997-10-27T16:41:15.080Z | 33.176 | -116.039 | 11.362 | 3.17 | ci9028384 |
| 1997-10-16T09:37:54.600Z | 34.02 | -116.749 | 12.199 | 3.12 | ci9026626 |
| 1997-09-28T15:57:22.950Z | 34.301 | -116.452 | 6.543 | 4.42 | ci9024626 |
| 1997-09-19T22:37:14.470Z | 34.141 | -116.856 | 8.674 | 4.11 | ci9023927 |
| 1997-09-12T15:23:43.400Z | 34.339 | -116.874 | -1.412 | 3.27 | ci9023017 |

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|---|---|---|---|---|---|
| 1997-09-02T13:47:35.890Z | 34.15 | -117.332 | 7.102 | 3.1 | ci9022103 |
| 1997-08-13T14:43:56.520Z | 34.15 | -117.333 | 5.213 | 3.05 | ci9019721 |
| 1997-07-26T11:53:14.990Z | 33.328 | -116.392 | 9.308 | 3.12 | ci9017634 |
| 1997-07-26T10:24:16.900Z | 34.159 | -117.329 | 8.702 | 3.73 | ci9017623 |
| 1997-07-26T03:14:55.920Z | 33.398 | -116.349 | 11.113 | 4.89 | ci9017527 |
| 1997-07-12T18:05:40.760Z | 34.156 | -117.328 | 9.142 | 3.51 | ci9015982 |
| 1997-06-28T21:45:25.100Z | 34.168 | -117.336 | 8.892 | 4.18 | ci9014489 |
| 1997-06-27T14:06:20.390Z | 33.263 | -116.006 | 3.237 | 3.44 | ci9014370 |
| 1997-06-10T09:21:45.490Z | 34.048 | -117.265 | 14.81 | 3.19 | ci9012932 |
| 1997-05-29T00:48:14.950Z | 33.347 | -116.912 | 6.061 | 3.35 | ci9011839 |
| 1997-05-23T14:38:41.690Z | 33.07 | -116.459 | 12.887 | 3.51 | ci9011379 |
| 1997-05-15T13:31:53.200Z | 34.372 | -116.878 | 2.68 | 3.05 | ci9010627 |
| 1997-05-11T00:16:28.610Z | 33.974 | -116.672 | 15.359 | 3.81 | ci9010203 |
| 1997-04-06T11:41:11.530Z | 33.422 | -116.951 | 10.801 | 3.14 | ci7064394 |
| 1997-04-01T18:03:54.470Z | 33.039 | -116.503 | 2.606 | 3.03 | ci7063953 |
| 1997-03-20T18:12:36.480Z | 33.807 | -116.972 | 12.29 | 3.15 | ci7062796 |
| 1997-02-23T03:48:51.200Z | 33.735 | -116.0445 | 6.568 | 3.27 | ci7060179 |
| 1997-02-23T03:44:59.220Z | 33.738 | -116.043 | 6.768 | 3.44 | ci7060205 |
| 1997-02-23T03:43:33.280Z | 33.729 | -116.046 | 6.078 | 3.87 | ci7060178 |
| 1997-02-07T06:59:49.340Z | 33.5028333 | -116.5738333 | 0.775 | 3.91 | ci7058729 |
| 1997-01-18T00:11:30.710Z | 34.158 | -116.424 | 0.332 | 3.27 | ci7056750 |
| 1997-01-17T00:31:56.500Z | 33.682 | -117.064 | -0.696 | 3.4 | ci3294148 |
| 1997-01-15T16:17:19.380Z | 33.819 | -117.001 | 11.8 | 3.3 | ci7056485 |
| 1997-01-13T16:09:34.830Z | 33.267 | -116.01 | 3.569 | 3.87 | ci7056275 |
| 1997-01-13T11:29:37.650Z | 33.447 | -116.901 | 12.531 | 3.76 | ci7056254 |
| 1997-01-09T09:01:54.230Z | 34.371 | -116.463 | 1.556 | 3.12 | ci7055744 |
| 1996-12-31T01:41:54.780Z | 33.618 | -117.278 | 12.234 | 3.16 | ci3292336 |
| 1996-12-30T01:41:54.830Z | 33.62 | -117.278 | 12.134 | 3.05 | ci7054903 |
| 1996-12-28T22:41:20.230Z | 33.76 | -116.89 | 12.34 | 3.95 | ci7054725 |
| 1996-12-01T15:30:26.940Z | 34.591 | -116.618 | 5.83 | 3.06 | ci7051454 |
| 1996-11-27T02:16:12.850Z | 33.953 | -116.313 | 4.123 | 3.26 | ci7050397 |
| 1996-11-27T01:42:43.820Z | 33.953 | -116.314 | 5.38 | 4.46 | ci7050391 |
| 1996-11-25T04:43:08.370Z | 34.013 | -116.945 | 13.138 | 3.42 | ci7050199 |
| 1996-11-13T12:37:00.410Z | 33.468 | -116.453 | 0.133 | 3.74 | ci7049125 |
| 1996-11-04T02:13:39.130Z | 34.142 | -116.429 | 2.132 | 3.06 | ci7048135 |
| 1996-11-03T06:32:05.040Z | 34.595 | -116.28 | 4.779 | 3.41 | ci7048074 |
| 1996-11-02T03:04:49.320Z | 33.207 | -115.704 | 10.788 | 3.17 | ci7047994 |
| 1996-11-01T17:57:54.530Z | 34.34 | -116.45 | 3.786 | 3.39 | ci7047958 |
| 1996-10-25T11:51:32.180Z | 34.139 | -116.407 | 2.672 | 3.42 | ci7047437 |
| 1996-10-20T00:17:33.390Z | 34.604 | -116.278 | 4.779 | 4.16 | ci7046881 |
| 1996-09-12T21:18:18.320Z | 33.906 | -117.145 | 13.385 | 3.84 | ci7042960 |
| 1996-09-11T00:25:01.430Z | 33.685 | -117.066 | -0.637 | 3.38 | ci3277033 |
| 1996-08-16T13:27:42.850Z | 34.606 | -116.284 | 4.606 | 3 | ci3274262 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1996-08-15T12:17:52.550Z | 33.963 | -116.888 | 17.079 | 3.29 | ci3274131 |
| 1996-08-14T03:05:27.490Z | 34.599 | -116.28 | 4.779 | 4.3 | ci3273970 |
| 1996-08-09T03:37:56.100Z | 33.259 | -116.287 | 8.852 | 3.33 | ci3273396 |
| 1996-08-06T11:52:11.510Z | 34.079 | -116.782 | 11.383 | 3.26 | ci3272788 |
| 1996-07-28T09:46:13.590Z | 33.9893333 | -116.2761667 | 4.523 | 3.36 | ci3271840 |
| 1996-07-21T12:53:18.980Z | 33.996 | -116.814 | 11.269 | 3.34 | ci3271205 |
| 1996-07-04T08:16:59.280Z | 33.995 | -116.298 | 4.658 | 3.46 | ci3269588 |
| 1996-05-20T17:12:48.680Z | 33.346 | -116.222 | 10.654 | 3.4 | ci3265173 |
| 1996-04-26T19:14:52.910Z | 33.736 | -115.922 | 7.149 | 3.31 | ci3262968 |
| 1996-04-19T19:52:19.980Z | 33.733 | -115.919 | 7.299 | 3.22 | ci3262281 |
| 1996-04-19T19:18:04.510Z | 34.135 | -116.854 | 9.424 | 3.1 | ci3262277 |
| 1996-04-16T05:07:32.950Z | 34.622 | -116.564 | 7.19 | 3.13 | ci3261930 |
| 1996-04-08T23:46:41.350Z | 34.377 | -116.46 | -0.124 | 3.9 | ci3261222 |
| 1996-04-08T15:20:49.440Z | 34.378 | -116.461 | -0.394 | 3.03 | ci3261157 |
| 1996-04-07T22:24:47.200Z | 34.378 | -116.461 | -0.174 | 3.06 | ci3261089 |
| 1996-04-02T03:47:00.350Z | 33.738 | -115.922 | 6.339 | 3.27 | ci3260451 |
| 1996-03-09T23:20:46.570Z | 34.349 | -116.468 | 2.916 | 3.26 | ci3257703 |
| 1996-02-21T15:54:31.960Z | 34.39 | -116.458 | 1.486 | 3.81 | ci3255477 |
| 1996-02-19T13:08:07.890Z | 34.634 | -116.514 | 5.82 | 3.13 | ci3255214 |
| 1996-02-09T12:14:12.660Z | 34.372 | -116.463 | -0.514 | 3.58 | ci3253994 |
| 1996-01-31T11:11:34.350Z | 34.308 | -116.455 | 1.378 | 3.25 | ci3252654 |
| 1996-01-25T05:35:12.660Z | 34.163 | -116.446 | 1.067 | 3.57 | ci3251903 |
| 1996-01-21T12:01:18.400Z | 34.096 | -116.445 | 7.297 | 3.24 | ci3251401 |
| 1996-01-17T23:09:53.330Z | 34.242 | -116.829 | 5.463 | 3.42 | ci3250955 |
| 1996-01-16T12:47:57.370Z | 34.2198333 | -116.9186667 | 2.114 | 3.07 | ci3250740 |
| 1996-01-05T11:57:40.130Z | 33.944 | -116.368 | 6.425 | 3.84 | ci3248652 |
| 1995-12-28T04:06:37.090Z | 34.604 | -116.632 | 2.55 | 3.08 | ci3247825 |
| 1995-12-27T20:10:31.610Z | 33.2 | -115.604 | 1.558 | 3.1 | ci3247790 |
| 1995-12-26T05:44:11.000Z | 33.703 | -116.767 | 14.116 | 3.25 | ci3247634 |
| 1995-12-20T04:28:32.860Z | 34.385 | -116.455 | 0.186 | 3.39 | ci3246977 |
| 1995-12-19T17:26:31.730Z | 33.57 | -117.103 | 11.279 | 3.25 | ci3246869 |
| 1995-12-05T15:34:44.300Z | 33.295 | -116.322 | 13.604 | 3.08 | ci3245829 |
| 1995-11-11T21:22:39.010Z | 34.049 | -117.266 | 14.673 | 3.01 | ci3242736 |
| 1995-11-09T06:22:23.010Z | 34.402 | -116.473 | 2.386 | 3.21 | ci3242385 |
| 1995-10-22T14:41:03.750Z | 34.138 | -116.433 | 1.447 | 3.85 | ci3239495 |
| 1995-10-11T17:37:03.970Z | 33.246 | -116.128 | 13.713 | 3.47 | ci3237662 |
| 1995-09-23T16:03:52.010Z | 34.251 | -116.436 | 1.877 | 3.45 | ci3233047 |
| 1995-09-09T08:08:16.270Z | 34.156 | -116.434 | 6.177 | 3.48 | ci3229998 |
| 1995-09-05T21:47:52.060Z | 34.178 | -116.429 | -0.403 | 3.01 | ci3229665 |
| 1995-09-05T20:27:18.420Z | 34.199 | -116.438 | -0.893 | 4.44 | ci3229496 |
| 1995-08-19T04:01:26.810Z | 33.404 | -116.433 | 12.534 | 3.1 | ci3225827 |
| 1995-08-15T16:03:46.670Z | 34.17 | -116.459 | 8.477 | 3.4 | ci3224779 |
| 1995-08-15T05:17:46.880Z | 33.781 | -116.922 | 11.444 | 3 | ci3224709 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1995-08-12T09:57:53.440Z | 33.985 | -116.904 | 8.943 | 3.25 | ci3224351 |
| 1995-07-28T07:07:30.390Z | 33.541 | -116.69 | 7.808 | 3.64 | ci3222372 |
| 1995-07-13T15:39:00.020Z | 34.014 | -116.326 | 4.654 | 3.12 | ci3219392 |
| 1995-06-28T21:29:09.130Z | 34.356 | -116.904 | 2.829 | 3.02 | ci3217948 |
| 1995-06-17T07:56:38.350Z | 34.65 | -116.658 | 3.28 | 3.19 | ci3216711 |
| 1995-06-09T19:44:04.390Z | 33.273 | -116.812 | 13.165 | 3.38 | ci3215805 |
| 1995-05-30T01:44:56.120Z | 33.5 | -116.824 | 12.981 | 3.13 | ci3214808 |
| 1995-05-21T19:50:50.450Z | 33.81 | -116.988 | 10.68 | 3.02 | ci3213726 |
| 1995-05-13T02:25:22.140Z | 33.975 | -116.974 | 13.758 | 3.73 | ci3212848 |
| 1995-05-07T22:05:26.940Z | 33.905 | -116.297 | 8.763 | 3.05 | ci3212318 |
| 1995-05-07T11:03:33.040Z | 33.905 | -116.288 | 10.123 | 4.77 | ci3212249 |
| 1995-04-20T21:38:41.870Z | 34.302 | -116.912 | 4.849 | 3.21 | ci3210509 |
| 1995-04-14T18:28:26.050Z | 34.228 | -116.763 | 5.463 | 3 | ci3209988 |
| 1995-04-11T15:56:23.100Z | 33.906 | -116.291 | 8.713 | 3.41 | ci3209640 |
| 1995-04-10T14:01:32.670Z | 34.412 | -116.47 | 2.356 | 3.66 | ci3209506 |
| 1995-04-09T23:01:08.490Z | 34.04 | -116.322 | 7.498 | 3.29 | ci3209441 |
| 1995-04-07T03:17:51.870Z | 34.365 | -116.47 | -0.114 | 3.1 | ci3209212 |
| 1995-04-04T06:26:49.820Z | 34.054 | -117.259 | 17.503 | 3.48 | ci3208879 |
| 1995-03-27T16:26:29.920Z | 33.988 | -116.441 | 7.699 | 3.28 | ci3208087 |
| 1995-03-18T08:30:14.830Z | 34.03 | -116.955 | 10.453 | 3.21 | ci3207055 |
| 1995-02-27T16:36:39.590Z | 34.051 | -116.435 | 1.991 | 3.13 | ci3204908 |
| 1995-02-26T20:02:13.550Z | 34.377 | -116.46 | 0.086 | 3.2 | ci3204787 |
| 1995-02-22T04:27:57.660Z | 34.146 | -116.429 | 1.598 | 3.11 | ci3203881 |
| 1995-02-19T15:47:58.240Z | 34.322 | -116.879 | 7.504 | 3.5 | ci3203622 |
| 1995-01-24T11:57:28.990Z | 33.941 | -117.346 | 14.978 | 3.48 | ci3201076 |
| 1995-01-23T07:58:53.400Z | 34.307 | -116.863 | 1.853 | 3.11 | ci3200990 |
| 1995-01-22T16:11:41.600Z | 34.306 | -116.86 | 2.513 | 3.23 | ci3200927 |
| 1995-01-12T22:50:45.860Z | 34.009 | -116.322 | 4.804 | 3.1 | ci3199907 |
| 1994-12-13T17:51:44.410Z | 34.126 | -116.883 | 8.849 | 3.28 | ci3196638 |
| 1994-11-25T22:32:08.090Z | 34.125 | -116.425 | 5.809 | 3.14 | ci3194605 |
| 1994-11-20T04:31:43.450Z | 34.012 | -116.319 | 5.495 | 4.21 | ci3193347 |
| 1994-11-16T02:52:42.320Z | 34.071 | -117.187 | 10.119 | 3.36 | ci3192849 |
| 1994-11-12T11:50:28.530Z | 34.361 | -116.459 | 0.096 | 3.56 | ci3192274 |
| 1994-11-09T02:29:04.320Z | 33.68 | -116.797 | 16.596 | 3.72 | ci3191862 |
| 1994-11-07T18:32:20.610Z | 33.701 | -116.764 | 14.406 | 3.76 | ci3191683 |
| 1994-11-07T18:04:42.640Z | 34.339 | -116.823 | 5.425 | 3.01 | ci3191682 |
| 1994-10-31T00:45:23.970Z | 34.374 | -116.455 | 1.606 | 3.41 | ci3190827 |
| 1994-10-24T15:17:56.080Z | 34.265 | -116.458 | -0.9 | 3.33 | ci3189808 |
| 1994-10-19T20:04:50.910Z | 34.449 | -116.499 | 1.747 | 3.09 | ci3188924 |
| 1994-10-09T04:10:07.450Z | 33.231 | -116.1 | 11.363 | 3.88 | ci3187666 |
| 1994-09-21T22:15:06.490Z | 33.527 | -116.522 | 5.326 | 3.13 | ci3185616 |
| 1994-09-12T00:16:59.620Z | 33.764 | -116.952 | 14.09 | 3.52 | ci3184085 |
| 1994-08-30T15:59:57.770Z | 34.15 | -116.428 | 5.097 | 3.11 | ci3182675 |

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|---|---|---|---|---|---|
| 1994-08-21T12:52:40.730Z | 34.592 | -116.617 | 2.75 | 3.58 | ci3181488 |
| 1994-08-20T20:22:55.190Z | 33.377 | -116.385 | 9.694 | 3.15 | ci3181408 |
| 1994-08-15T08:08:24.440Z | 33.808 | -116.205 | 6.615 | 3.32 | ci3180677 |
| 1994-08-15T08:07:32.860Z | 33.812 | -116.201 | 6.315 | 3.82 | ci3180612 |
| 1994-08-11T16:49:51.110Z | 34.15 | -116.447 | 7.907 | 3.04 | ci3180075 |
| 1994-08-07T23:43:32.880Z | 33.992 | -116.274 | 6.865 | 3.6 | ci3179575 |
| 1994-08-07T15:10:25.960Z | 33.992 | -116.274 | 6.225 | 3.95 | ci3179522 |
| 1994-08-01T21:34:31.120Z | 34.64 | -116.517 | 7.93 | 4.85 | ci3178681 |
| 1994-07-28T10:52:02.510Z | 33.403 | -116.944 | 4.261 | 3.23 | ci3178069 |
| 1994-07-11T14:34:10.580Z | 34.631 | -116.61 | 3.25 | 3.2 | ci3175602 |
| 1994-06-29T07:34:35.210Z | 34.273 | -116.411 | 0.07 | 3.53 | ci3174154 |
| 1994-06-28T22:03:09.610Z | 33.368 | -116.393 | 7.584 | 3.18 | ci3174102 |
| 1994-06-24T20:20:59.720Z | 34.368 | -116.901 | 1.369 | 3.07 | ci3173702 |
| 1994-06-16T16:24:27.530Z | 34.268 | -116.402 | 2.52 | 4.97 | ci3172554 |
| 1994-06-15T14:13:52.510Z | 34.337 | -116.469 | 3.536 | 3.14 | ci3172420 |
| 1994-05-31T03:03:34.430Z | 33.202 | -116.049 | 3.333 | 3.42 | ci3169866 |
| 1994-05-26T22:26:59.140Z | 34.109 | -117.323 | 16.885 | 3.43 | ci3169324 |
| 1994-05-24T15:41:45.640Z | 34.624 | -116.554 | 6.81 | 3.02 | ci3168927 |
| 1994-04-06T19:01:04.060Z | 34.192 | -117.095 | 5.726 | 4.78 | ci3162132 |
| 1994-04-06T07:27:36.470Z | 34.478 | -116.516 | 4.81 | 3.26 | ci3162117 |
| 1994-04-06T07:26:01.230Z | 34.477 | -116.515 | 7.38 | 3.71 | ci3162056 |
| 1994-04-05T15:17:50.660Z | 34.011 | -117.105 | 8.304 | 3.02 | ci3161935 |
| 1994-04-04T03:25:44.410Z | 33.441 | -116.853 | 12.841 | 3.35 | ci3161717 |
| 1994-03-28T06:18:38.390Z | 33.35 | -116.358 | 11.484 | 3.26 | ci3160727 |
| 1994-03-14T22:22:09.180Z | 34.033 | -117.251 | 14.413 | 3.03 | ci3158448 |
| 1994-03-07T09:11:36.390Z | 34.622 | -116.606 | 4.484 | 3.69 | ci3157117 |
| 1994-03-02T03:35:37.940Z | 34.193 | -116.441 | -0.835 | 3.33 | ci3155989 |
| 1994-02-28T05:40:07.610Z | 34.203 | -116.437 | 2.495 | 3.43 | ci3155943 |
| 1994-02-09T15:47:47.990Z | 33.467 | -116.451 | 6.113 | 3.48 | ci3150798 |
| 1994-02-06T03:15:54.050Z | 34.569 | -116.412 | 4.81 | 3.25 | ci3149968 |
| 1994-01-29T15:00:59.580Z | 34.64 | -116.663 | 4.792 | 3.09 | ci3147325 |
| 1994-01-27T18:57:10.880Z | 34.406 | -116.509 | 0.61 | 3.4 | ci3146645 |
| 1994-01-14T10:35:53.160Z | 34.042 | -117.097 | 15.792 | 3.08 | ci3140330 |
| 1994-01-13T11:51:44.210Z | 33.231 | -116.037 | 2.494 | 3.08 | ci3140226 |
| 1994-01-02T13:19:17.630Z | 33.701 | -117.024 | 11.001 | 3.88 | ci3138869 |
| 1994-01-01T17:47:31.540Z | 34.388 | -117.016 | 7.009 | 3.46 | ci3138805 |
| 1993-12-23T00:28:06.890Z | 34.148 | -116.433 | 4.327 | 3.06 | ci3137418 |
| 1993-12-17T22:55:38.610Z | 34.58 | -116.568 | 6.457 | 3.02 | ci3136769 |
| 1993-12-10T10:10:10.500Z | 34.018 | -117.109 | 7.312 | 3.19 | ci3135799 |
| 1993-12-03T01:51:24.750Z | 34.259 | -116.722 | -0.358 | 3.84 | ci3134575 |
| 1993-11-25T20:27:06.860Z | 34.086 | -116.425 | 8.177 | 3.05 | ci3133608 |
| 1993-11-04T23:15:38.650Z | 34.621 | -116.662 | 4.791 | 3.28 | ci3130544 |
| 1993-11-04T00:36:53.740Z | 33.824 | -115.658 | -0.667 | 3.4 | ci3130427 |

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|---|---|---|---|---|---|
| 1993-10-30T11:30:00.060Z | 34.014 | -117.012 | 5.267 | 3.01 | ci3129879 |
| 1993-10-29T09:11:34.590Z | 33.19 | -115.609 | 6.409 | 3.1 | ci3129681 |
| 1993-10-19T02:40:29.070Z | 34.198 | -116.433 | 4.847 | 3.37 | ci3127836 |
| 1993-10-15T18:57:09.440Z | 34.242 | -116.426 | 1.637 | 3.05 | ci3127281 |
| 1993-10-11T01:35:53.340Z | 33.254 | -116.234 | 8.837 | 3.04 | ci3126422 |
| 1993-10-08T18:30:01.090Z | 34.388 | -116.464 | 4.206 | 3.51 | ci3125934 |
| 1993-10-04T02:57:36.700Z | 34.013 | -116.343 | 0.885 | 3.45 | ci3125013 |
| 1993-09-14T14:49:03.630Z | 34.383 | -116.459 | -0.054 | 3.32 | ci3122252 |
| 1993-09-14T08:18:57.700Z | 34.016 | -116.318 | 2.325 | 3.25 | ci3122158 |
| 1993-09-14T04:29:13.580Z | 34.383 | -116.455 | 0.155 | 3.29 | ci3122130 |
| 1993-09-10T15:56:35.410Z | 34.358 | -116.455 | 6.566 | 3.02 | ci3121732 |
| 1993-09-10T03:38:05.160Z | 34.421 | -116.472 | 1.266 | 3 | ci3121671 |
| 1993-09-07T16:41:52.570Z | 34.268 | -116.451 | -0.7 | 3.54 | ci3121150 |
| 1993-09-07T09:43:17.960Z | 34.167 | -116.433 | 6.417 | 3.22 | ci3121033 |
| 1993-09-06T08:25:23.060Z | 34.141 | -116.837 | 8.135 | 3.94 | ci3120810 |
| 1993-08-21T01:46:38.400Z | 34.029 | -116.321 | 8.245 | 5 | ci3118441 |
| 1993-08-16T09:12:16.070Z | 34.6 | -116.629 | 2.621 | 3.3 | ci3117713 |
| 1993-08-14T02:09:11.040Z | 34.001 | -117.191 | 14.637 | 3.03 | ci3117458 |
| 1993-08-11T16:13:44.120Z | 34.178 | -116.43 | 3.937 | 3.12 | ci3117122 |
| 1993-08-09T01:55:00.560Z | 34.013 | -117.105 | 7.322 | 3.01 | ci3116768 |
| 1993-08-08T01:24:47.820Z | 34.512 | -116.527 | 3.968 | 3.09 | ci3116651 |
| 1993-08-04T14:03:27.260Z | 34.377 | -116.457 | 2.266 | 3.07 | ci3116195 |
| 1993-08-02T21:04:25.550Z | 34.115 | -116.744 | 8.112 | 3.28 | ci3115988 |
| 1993-07-29T16:08:09.140Z | 33.252 | -116.137 | 11.689 | 3.53 | ci3115600 |
| 1993-07-20T17:23:54.670Z | 33.921 | -116.882 | 10.178 | 3.09 | ci3114186 |
| 1993-07-08T22:57:44.870Z | 34.245 | -116.429 | 1.507 | 4.01 | ci3112773 |
| 1993-07-07T22:07:37.130Z | 34.251 | -116.897 | 9.043 | 3.44 | ci3112621 |
| 1993-06-28T23:43:32.250Z | 34.145 | -116.421 | 5.077 | 3.1 | ci3111652 |
| 1993-06-26T12:48:02.460Z | 34.076 | -116.348 | 1.277 | 3.62 | ci3111385 |
| 1993-06-22T23:08:10.940Z | 34.626 | -116.622 | 6.481 | 3.8 | ci3110951 |
| 1993-06-19T07:20:26.400Z | 34.078 | -116.349 | 0.867 | 3.24 | ci3110524 |
| 1993-06-12T04:23:29.000Z | 33.41 | -116.415 | 7.013 | 3.13 | ci3109664 |
| 1993-06-08T21:20:15.020Z | 34.124 | -116.993 | 4.715 | 3.24 | ci3109221 |
| 1993-06-05T11:55:55.700Z | 34.148 | -116.422 | 2.947 | 3.62 | ci3108625 |
| 1993-05-31T08:55:29.990Z | 34.12 | -116.995 | 4.37 | 4.11 | ci3107911 |
| 1993-05-25T00:17:57.770Z | 34.121 | -116.399 | -0.843 | 3.2 | ci3107022 |
| 1993-05-24T16:27:48.260Z | 34.031 | -116.327 | 5.675 | 3.19 | ci3106978 |
| 1993-05-23T12:06:13.280Z | 34.501 | -116.512 | 3.608 | 3.26 | ci3106767 |
| 1993-05-16T10:13:28.060Z | 33.98 | -116.37 | 4.641 | 3.06 | ci3104937 |
| 1993-05-01T06:40:07.340Z | 34.151 | -116.423 | 5.307 | 3.32 | ci3102951 |
| 1993-04-27T07:18:09.450Z | 34.065 | -117.275 | 15.053 | 3.27 | ci3102466 |
| 1993-04-17T12:55:45.420Z | 34.097 | -116.439 | 8.367 | 3.01 | ci3101253 |
| 1993-04-17T12:43:03.060Z | 34.095 | -116.44 | 9.797 | 3.73 | ci3101250 |

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|---|---|---|---|---|---|
| 1993-04-16T14:35:22.510Z | 34.004 | -116.32 | 4.765 | 3.09 | ci3101127 |
| 1993-04-12T11:18:32.850Z | 34.143 | -116.875 | 4.399 | 3.31 | ci3100228 |
| 1993-04-12T08:32:27.460Z | 34.143 | -116.877 | 6.799 | 3.23 | ci3100215 |
| 1993-04-11T19:47:43.540Z | 34.143 | -116.875 | 6.049 | 3.08 | ci3100174 |
| 1993-04-08T20:19:33.760Z | 34.023 | -116.323 | 10.218 | 3.15 | ci3099838 |
| 1993-03-22T15:41:42.710Z | 33.49 | -116.401 | 10.552 | 3.14 | ci3097155 |
| 1993-03-22T13:08:16.910Z | 34.468 | -116.508 | 1.139 | 3.33 | ci3097141 |
| 1993-03-20T06:56:55.360Z | 34.012 | -117.22 | 8.305 | 3.81 | ci3096843 |
| 1993-03-16T07:50:13.540Z | 34.224 | -116.757 | 0.414 | 3.54 | ci3096210 |
| 1993-03-08T09:09:02.110Z | 33.997 | -117.207 | 11.835 | 3.01 | ci3095148 |
| 1993-02-21T08:57:12.440Z | 34.168 | -116.429 | 6.647 | 3.11 | ci3093261 |
| 1993-02-19T17:36:27.400Z | 34.306 | -116.858 | 1.364 | 3.08 | ci3093087 |
| 1993-02-15T07:59:33.170Z | 34.405 | -116.464 | 4.678 | 4.19 | ci3092410 |
| 1993-02-10T17:00:38.250Z | 34.389 | -116.453 | 4.678 | 3.23 | ci3091929 |
| 1993-02-09T20:24:47.090Z | 34.499 | -116.527 | 7.081 | 3.06 | ci3091843 |
| 1993-02-01T06:01:39.730Z | 34.237 | -116.804 | 0.411 | 3.17 | ci3089961 |
| 1993-01-31T11:56:32.260Z | 33.754 | -116.134 | 1.548 | 3.47 | ci3089876 |
| 1993-01-26T01:27:13.980Z | 33.965 | -116.337 | 4.769 | 3.21 | ci3089241 |
| 1993-01-18T14:59:41.510Z | 33.2 | -115.596 | 4.433 | 3.06 | ci3088360 |
| 1993-01-18T11:55:33.690Z | 34.61 | -116.637 | 7.491 | 3.56 | ci3088355 |
| 1993-01-18T09:30:33.540Z | 34.613 | -116.635 | 3.841 | 3.51 | ci3088341 |
| 1993-01-13T07:02:37.430Z | 34.106 | -116.641 | 2.373 | 3.03 | ci3087578 |
| 1993-01-13T02:05:02.660Z | 34.047 | -116.702 | 8.829 | 3.08 | ci3087547 |
| 1993-01-11T05:51:29.180Z | 34.391 | -116.462 | 1.795 | 3 | ci3087242 |
| 1993-01-04T00:32:23.040Z | 34.288 | -116.773 | 4.234 | 3.8 | ci3086020 |
| 1993-01-03T11:46:41.130Z | 34.61 | -116.637 | 1.651 | 3 | ci3085949 |
| 1992-12-31T07:49:10.600Z | 34.267 | -116.451 | -0.29 | 3.22 | ci3085547 |
| 1992-12-29T05:45:32.810Z | 33.489 | -116.486 | 9.416 | 4.01 | ci3085286 |
| 1992-12-28T18:00:29.200Z | 33.946 | -116.306 | 3.819 | 3.72 | ci3085227 |
| 1992-12-28T17:51:20.890Z | 33.947 | -116.307 | 3.669 | 3.33 | ci3085226 |
| 1992-12-27T20:45:39.640Z | 34.267 | -116.458 | -0.38 | 3.02 | ci3085101 |
| 1992-12-27T00:18:38.000Z | 34.352 | -116.894 | 2.851 | 3.79 | ci3084992 |
| 1992-12-25T22:15:27.160Z | 33.96 | -116.329 | 4.709 | 3.1 | ci3084841 |
| 1992-12-21T13:39:27.000Z | 34.233 | -116.74 | -0.489 | 3.38 | ci3084163 |
| 1992-12-21T11:44:02.890Z | 34.092 | -116.415 | 2.667 | 3.89 | ci3084155 |
| 1992-12-16T09:55:56.200Z | 34.625 | -116.546 | 2.15 | 3.24 | ci3083389 |
| 1992-12-15T20:07:02.940Z | 34.335 | -116.887 | 1.131 | 3.24 | ci3083299 |
| 1992-12-13T05:30:58.390Z | 34.016 | -116.345 | 0.431 | 3.21 | ci3082942 |
| 1992-12-12T00:31:44.420Z | 34.357 | -116.896 | 2.941 | 3.51 | ci3082801 |
| 1992-12-11T01:38:34.210Z | 34.271 | -116.404 | 1.81 | 4.12 | ci3082658 |
| 1992-12-10T18:23:34.260Z | 34.15 | -116.415 | 2.937 | 3.51 | ci3082607 |
| 1992-12-09T19:47:07.550Z | 34.309 | -116.433 | 6.27 | 3.33 | ci3082466 |
| 1992-12-09T19:16:07.360Z | 34.311 | -116.427 | 5.776 | 3.01 | ci3082461 |

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|---|---|---|---|---|---|
| 1992-12-09T09:28:35.010Z | 34.244 | -116.428 | 1.847 | 3.05 | ci3082401 |
| 1992-12-09T03:39:34.500Z | 34.354 | -116.904 | 2.235 | 3.17 | ci3082362 |
| 1992-12-08T20:06:35.380Z | 34.515 | -116.535 | -1.382 | 3.08 | ci3082298 |
| 1992-12-08T02:58:44.910Z | 33.884 | -116.286 | 6.401 | 3.48 | ci3082179 |
| 1992-12-07T07:58:57.230Z | 34.362 | -116.917 | -0.576 | 3.03 | ci3082027 |
| 1992-12-07T03:33:31.470Z | 34.362 | -116.924 | -0.571 | 4.03 | ci3081990 |
| 1992-12-07T03:31:02.160Z | 34.363 | -116.929 | -0.811 | 3.1 | ci3081989 |
| 1992-12-07T00:49:23.580Z | 34.378 | -116.902 | 1.689 | 3.21 | ci3081964 |
| 1992-12-06T02:40:50.800Z | 34.148 | -116.428 | 4.307 | 3.23 | ci3081812 |
| 1992-12-05T05:20:35.590Z | 34.363 | -116.922 | 1.419 | 3.09 | ci3081659 |
| 1992-12-04T12:59:42.110Z | 34.361 | -116.914 | -0.981 | 4.24 | ci3081531 |
| 1992-12-04T05:25:11.210Z | 34.377 | -116.918 | 1.011 | 4.66 | ci3081464 |
| 1992-12-04T05:25:07.440Z | 34.373 | -116.912 | 1.985 | 4.61 | ci3081485 |
| 1992-12-04T03:25:41.780Z | 34.372 | -116.908 | -0.085 | 3.08 | ci3081425 |
| 1992-12-04T02:19:11.610Z | 34.371 | -116.918 | -0.171 | 3 | ci3081411 |
| 1992-12-04T02:13:48.520Z | 34.36 | -116.922 | -0.711 | 3.05 | ci3081406 |
| 1992-12-04T02:13:46.050Z | 34.361 | -116.899 | 2.715 | 3.29 | ci3081434 |
| 1992-12-04T02:08:57.500Z | 34.369 | -116.898 | 1.325 | 5.26 | ci3081404 |
| 1992-12-02T05:42:06.220Z | 34.356 | -116.901 | 2.809 | 3.18 | ci3081027 |
| 1992-11-30T15:29:38.730Z | 34.364 | -116.89 | 1.769 | 3.2 | ci3080554 |
| 1992-11-30T03:06:06.370Z | 34.015 | -117.107 | 7.912 | 3.13 | ci3080494 |
| 1992-11-29T23:53:27.740Z | 34.353 | -116.903 | 2.237 | 3.22 | ci3080469 |
| 1992-11-29T21:02:53.990Z | 34.146 | -116.878 | 7.53 | 3.49 | ci3080450 |
| 1992-11-29T14:21:20.510Z | 34.371 | -116.88 | 1.716 | 3.99 | ci3080406 |
| 1992-11-29T00:15:04.950Z | 34.364 | -116.923 | -1.673 | 3.45 | ci3080328 |
| 1992-11-28T15:56:49.470Z | 34.353 | -116.88 | 0.993 | 3.04 | ci3080254 |
| 1992-11-28T12:18:22.640Z | 34.39 | -116.458 | 4.196 | 3.05 | ci3080219 |
| 1992-11-28T00:24:43.860Z | 34.363 | -116.916 | 0.008 | 3.23 | ci3080157 |
| 1992-11-28T00:24:29.240Z | 34.368 | -116.882 | 1.698 | 3.18 | ci3080124 |
| 1992-11-27T23:15:45.410Z | 34.37 | -116.882 | 1.548 | 3.4 | ci3080102 |
| 1992-11-27T22:38:26.060Z | 34.35 | -116.887 | -0.322 | 3.29 | ci3080094 |
| 1992-11-27T20:15:20.490Z | 34.345 | -116.904 | 1.088 | 3.56 | ci3080045 |
| 1992-11-27T19:34:37.910Z | 34.346 | -116.905 | 0.813 | 3.12 | ci3080143 |
| 1992-11-27T18:39:18.520Z | 34.367 | -116.907 | 1.088 | 3.46 | ci3080024 |
| 1992-11-27T18:37:49.190Z | 34.361 | -116.908 | 1.268 | 3.32 | ci3080023 |
| 1992-11-27T18:33:01.700Z | 34.37 | -116.916 | -1.707 | 3.38 | ci3080118 |
| 1992-11-27T18:32:24.960Z | 34.364 | -116.905 | -0.772 | 4.15 | ci3080022 |
| 1992-11-27T18:30:39.030Z | 34.34 | -116.898 | -0.242 | 3.2 | ci3080021 |
| 1992-11-27T18:03:35.720Z | 34.339 | -116.896 | -1.432 | 3 | ci3079938 |
| 1992-11-27T17:38:45.620Z | 34.365 | -116.887 | 1.698 | 3.16 | ci3080074 |
| 1992-11-27T16:27:50.440Z | 34.338 | -116.894 | 0.308 | 3.12 | ci3079921 |
| 1992-11-27T16:23:48.050Z | 34.356 | -116.891 | 2.128 | 3.55 | ci3079920 |
| 1992-11-27T16:17:30.080Z | 34.345 | -116.915 | -1.446 | 3.19 | ci3080044 |

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|---|---|---|---|---|---|
| 1992-11-27T16:17:15.570Z | 34.339 | -116.897 | 0.728 | 3.18 | ci3079919 |
| 1992-11-27T16:11:53.760Z | 34.364 | -116.884 | 1.488 | 3.41 | ci3079951 |
| 1992-11-27T16:11:11.550Z | 34.363 | -116.886 | 1.818 | 3.57 | ci3079918 |
| 1992-11-27T16:00:57.490Z | 34.34 | -116.9 | -0.402 | 5.29 | ci3079915 |
| 1992-11-25T07:50:34.990Z | 34.163 | -116.422 | 0.157 | 3.8 | ci3079557 |
| 1992-11-24T09:06:26.990Z | 34.144 | -116.881 | 7.76 | 3.84 | ci3079392 |
| 1992-11-24T02:24:06.140Z | 34.062 | -116.367 | 2.397 | 3.07 | ci3079361 |
| 1992-11-23T10:50:15.680Z | 34.338 | -116.904 | 0.718 | 3.33 | ci3079249 |
| 1992-11-23T09:07:36.310Z | 34.336 | -116.904 | -0.347 | 3.27 | ci3079240 |
| 1992-11-23T06:07:59.350Z | 34.406 | -116.469 | 2.316 | 3 | ci3079235 |
| 1992-11-18T14:10:11.600Z | 34.008 | -117.106 | 11.712 | 3.72 | ci3078242 |
| 1992-11-18T06:13:01.920Z | 34.509 | -116.519 | 4.794 | 3.01 | ci3078199 |
| 1992-11-11T08:41:28.100Z | 34.038 | -116.356 | -0.789 | 3.07 | ci3075775 |
| 1992-11-10T02:24:47.550Z | 33.283 | -116.272 | 0.447 | 3.34 | ci3075564 |
| 1992-11-09T18:55:18.530Z | 34.218 | -116.447 | 2.227 | 3.27 | ci3075482 |
| 1992-11-06T14:47:03.340Z | 34.004 | -116.747 | 17.621 | 3.86 | ci3074958 |
| 1992-10-31T15:53:40.620Z | 33.974 | -116.927 | 3.165 | 3.04 | ci3073837 |
| 1992-10-28T14:51:55.670Z | 34.01 | -116.32 | 4.205 | 3.05 | ci3073285 |
| 1992-10-28T07:51:21.920Z | 34.332 | -116.459 | 7.246 | 3.51 | ci3073242 |
| 1992-10-24T14:23:24.750Z | 34.406 | -116.511 | -0.424 | 3.2 | ci3072528 |
| 1992-10-23T14:15:53.410Z | 34.569 | -116.307 | 4.779 | 3.09 | ci3072343 |
| 1992-10-22T17:51:20.840Z | 33.964 | -116.337 | 4.979 | 3.44 | ci3072175 |
| 1992-10-22T16:21:08.600Z | 34.304 | -116.449 | -0.33 | 3.33 | ci3072162 |
| 1992-10-22T08:39:29.180Z | 33.703 | -117.464 | 9.586 | 3.81 | ci3072095 |
| 1992-10-22T04:23:53.160Z | 33.943 | -116.31 | 4.299 | 3.32 | ci3072062 |
| 1992-10-20T00:25:44.400Z | 34.256 | -116.435 | 3.887 | 3.33 | ci3071654 |
| 1992-10-18T03:07:18.710Z | 34.356 | -116.452 | -1.374 | 3.3 | ci3071282 |
| 1992-10-16T19:58:16.990Z | 34.606 | -116.33 | -1.154 | 3.4 | ci3071007 |
| 1992-10-13T15:57:03.040Z | 34.625 | -116.669 | 6.148 | 3.42 | ci3070374 |
| 1992-10-13T08:07:17.980Z | 34.577 | -116.321 | 4.779 | 3.11 | ci3070319 |
| 1992-10-07T17:26:17.330Z | 33.189 | -115.603 | 3.157 | 3.04 | ci3069332 |
| 1992-10-06T21:32:04.120Z | 34.198 | -116.436 | 0.167 | 3.75 | ci3069069 |
| 1992-10-05T23:16:03.100Z | 34.371 | -116.43 | 1.476 | 3.27 | ci3068824 |
| 1992-10-05T10:06:26.660Z | 34.415 | -116.482 | -0.124 | 3.66 | ci3068696 |
| 1992-10-02T21:42:18.040Z | 34.035 | -117.187 | 5.411 | 3.17 | ci2060135 |
| 1992-10-02T15:49:56.170Z | 33.973 | -116.385 | 7.658 | 3.04 | ci3068133 |
| 1992-10-02T12:12:14.120Z | 34.604 | -116.628 | 2.156 | 3.24 | ci3068081 |
| 1992-10-02T07:19:57.340Z | 34.601 | -116.636 | 2.014 | 4.59 | ci3068003 |
| 1992-09-29T22:16:46.320Z | 34.059 | -116.374 | 0.107 | 3.82 | ci3067508 |
| 1992-09-28T12:07:26.220Z | 34.127 | -116.398 | -0.003 | 3.55 | ci3067202 |
| 1992-09-27T17:44:23.360Z | 34.165 | -116.413 | -0.603 | 3.01 | ci3067049 |
| 1992-09-24T21:44:26.800Z | 34.338 | -116.674 | -1.516 | 3.22 | ci3066432 |
| 1992-09-22T13:21:51.420Z | 34.139 | -116.598 | -0.161 | 3 | ci3065839 |

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|---|---|---|---|---|---|
| 1992-09-22T01:43:10.320Z | 34.554 | -116.529 | 2.917 | 3 | ci3065738 |
| 1992-09-20T14:19:33.370Z | 33.91 | -116.769 | 17.433 | 3.47 | ci3065257 |
| 1992-09-18T16:59:51.790Z | 34.556 | -116.551 | 2.264 | 3.82 | ci3064606 |
| 1992-09-18T12:54:33.850Z | 34.057 | -116.376 | 5.407 | 3.73 | ci3064608 |
| 1992-09-18T12:53:35.510Z | 34.052 | -116.384 | 0.373 | 3.83 | ci3064607 |
| 1992-09-18T12:51:54.320Z | 34.051 | -116.384 | 0.383 | 3.91 | ci3064484 |
| 1992-09-18T10:52:58.930Z | 34.053 | -116.387 | 0.233 | 3.35 | ci3064456 |
| 1992-09-17T11:22:32.920Z | 34.413 | -116.46 | 8.196 | 3.76 | ci3064031 |
| 1992-09-16T14:31:03.870Z | 34.273 | -116.476 | 5.55 | 3.18 | ci3063266 |
| 1992-09-16T12:27:22.020Z | 34.054 | -116.387 | -0.097 | 3.72 | ci3063225 |
| 1992-09-15T09:44:50.400Z | 34.055 | -116.387 | -0.167 | 3.02 | ci3062589 |
| 1992-09-15T09:34:03.470Z | 34.07 | -116.361 | -0.963 | 3 | ci3062582 |
| 1992-09-15T08:47:11.300Z | 34.064 | -116.361 | 7.177 | 5.26 | ci3062563 |
| 1992-09-13T23:16:59.050Z | 33.977 | -116.272 | 4.495 | 3.17 | ci3062115 |
| 1992-09-13T13:33:49.910Z | 33.893 | -116.285 | 7.641 | 3.18 | ci3062012 |
| 1992-09-09T23:04:55.840Z | 34.298 | -116.456 | 4.25 | 3.01 | ci3061077 |
| 1992-09-09T14:01:28.430Z | 33.946 | -116.334 | 5.109 | 3.26 | ci3060943 |
| 1992-09-09T12:52:56.220Z | 33.951 | -116.333 | 4.419 | 3.56 | ci3060966 |
| 1992-09-09T12:50:45.140Z | 33.947 | -116.33 | 4.549 | 4.32 | ci3060932 |
| 1992-09-09T04:17:11.220Z | 33.994 | -116.346 | 0.381 | 3.06 | ci3060882 |
| 1992-09-08T18:28:17.490Z | 34.515 | -116.536 | -0.679 | 3.08 | ci3060666 |
| 1992-09-08T03:44:49.860Z | 34.109 | -116.982 | 2.473 | 3.43 | ci3060527 |
| 1992-09-07T23:50:59.680Z | 34.233 | -116.84 | 0.991 | 3.32 | ci3060492 |
| 1992-09-06T22:16:53.680Z | 34.026 | -117.195 | 5.361 | 3.18 | ci3060243 |
| 1992-09-06T17:51:06.690Z | 34.023 | -117.192 | 5.231 | 3.56 | ci3060198 |
| 1992-09-06T02:56:11.460Z | 34.454 | -116.532 | 3.004 | 3.44 | ci3060041 |
| 1992-09-05T23:43:14.400Z | 34.257 | -116.437 | 1.957 | 3.3 | ci3060005 |
| 1992-09-05T03:29:27.120Z | 34.095 | -116.415 | 2.537 | 3.93 | ci3059832 |
| 1992-09-03T06:17:38.450Z | 34.372 | -116.442 | 2.106 | 3.8 | ci3059381 |
| 1992-09-02T09:28:21.440Z | 34.117 | -116.99 | 2.805 | 3.08 | ci3058939 |
| 1992-09-02T00:48:41.760Z | 34.327 | -116.46 | 1.566 | 3.16 | ci3058844 |
| 1992-09-01T21:17:57.890Z | 34.267 | -116.769 | 1.023 | 3.16 | ci3058874 |
| 1992-09-01T12:17:24.810Z | 34.597 | -116.324 | -1.144 | 3.9 | ci3059325 |
| 1992-08-31T09:25:40.630Z | 34.455 | -116.47 | 9.616 | 4.36 | ci3058571 |
| 1992-08-30T11:06:35.700Z | 34.326 | -116.683 | -1.506 | 3.03 | ci3058362 |
| 1992-08-28T19:05:05.220Z | 34.627 | -116.555 | 2.35 | 3.03 | ci3057974 |
| 1992-08-28T13:26:11.840Z | 34.429 | -116.523 | 2.394 | 3.03 | ci3057928 |
| 1992-08-28T06:24:20.980Z | 34.604 | -116.635 | 2.32 | 3.17 | ci3057856 |
| 1992-08-28T03:20:05.210Z | 34.274 | -116.773 | -0.437 | 3.03 | ci3057821 |
| 1992-08-26T13:50:49.650Z | 34.106 | -116.985 | 2.503 | 3.4 | ci3057380 |
| 1992-08-26T13:21:57.470Z | 34.06 | -116.368 | -1.093 | 3.83 | ci3057371 |
| 1992-08-24T18:21:42.480Z | 34.277 | -116.777 | -0.309 | 3.45 | ci3056869 |
| 1992-08-24T16:45:33.200Z | 34.184 | -116.808 | 7.687 | 3.32 | ci3056839 |

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|---|---|---|---|---|---|
| 1992-08-24T13:51:46.040Z | 34.274 | -116.774 | -0.187 | 4.29 | ci3056815 |
| 1992-08-24T05:47:44.110Z | 34.267 | -116.408 | 0.09 | 3.06 | ci3056936 |
| 1992-08-23T18:50:59.220Z | 34.161 | -116.819 | 5.37 | 3.17 | ci3056626 |
| 1992-08-23T17:49:31.560Z | 34.123 | -116.735 | 8.802 | 3.37 | ci3056618 |
| 1992-08-23T13:46:24.640Z | 34.111 | -116.989 | 1.983 | 3.04 | ci3056859 |
| 1992-08-23T07:36:06.180Z | 34.142 | -116.838 | 4.399 | 3.08 | ci3056516 |
| 1992-08-23T05:30:23.100Z | 34.218 | -116.776 | -0.077 | 3.39 | ci3056494 |
| 1992-08-23T02:55:11.590Z | 34.215 | -116.737 | 0.313 | 3.24 | ci3056472 |
| 1992-08-22T01:52:59.820Z | 34.109 | -116.985 | 2.243 | 3.33 | ci3056221 |
| 1992-08-22T00:17:08.800Z | 34.188 | -116.787 | -0.627 | 3.06 | ci3056210 |
| 1992-08-21T19:46:06.580Z | 34.042 | -116.909 | 15.975 | 3.02 | ci3056164 |
| 1992-08-19T07:50:12.260Z | 34.414 | -116.509 | 2.356 | 3.21 | ci3055470 |
| 1992-08-19T03:10:07.360Z | 34.497 | -116.519 | -0.302 | 3.07 | ci3055426 |
| 1992-08-18T09:46:40.730Z | 34.197 | -116.862 | 10.33 | 4.14 | ci3055197 |
| 1992-08-17T22:04:28.060Z | 34.052 | -116.385 | 0.383 | 3.21 | ci3055149 |
| 1992-08-17T21:25:47.600Z | 34.195 | -116.869 | 9.03 | 3.35 | ci3055037 |
| 1992-08-17T21:01:33.510Z | 34.194 | -116.877 | 10.19 | 3.61 | ci3055035 |
| 1992-08-17T20:55:27.690Z | 34.2 | -116.875 | 10.04 | 3.09 | ci3055033 |
| 1992-08-17T20:41:52.120Z | 34.195 | -116.863 | 9.44 | 5.23 | ci3055028 |
| 1992-08-17T18:39:54.960Z | 34.122 | -116.395 | 0.417 | 3.29 | ci3055006 |
| 1992-08-17T12:49:42.020Z | 34.089 | -116.431 | 0.247 | 3.03 | ci3054931 |
| 1992-08-16T06:30:59.510Z | 34.03 | -116.678 | 8.692 | 3.72 | ci3054583 |
| 1992-08-16T06:15:51.000Z | 34.42 | -116.478 | 1.574 | 3.19 | ci3054581 |
| 1992-08-15T19:09:06.210Z | 34.114 | -116.991 | 3.023 | 3.47 | ci3054427 |
| 1992-08-15T18:18:06.180Z | 34.116 | -116.989 | 2.513 | 3.65 | ci3054415 |
| 1992-08-15T16:47:30.650Z | 34.609 | -116.639 | 4.94 | 3.15 | ci3054396 |
| 1992-08-15T09:27:13.230Z | 34.091 | -116.402 | -0.873 | 3.29 | ci3054302 |
| 1992-08-15T08:54:34.380Z | 34.42 | -116.479 | 7.456 | 3.35 | ci3054300 |
| 1992-08-15T08:24:14.660Z | 34.087 | -116.403 | -0.546 | 4.73 | ci3054293 |
| 1992-08-15T07:37:31.370Z | 34.358 | -116.456 | -0.744 | 3.06 | ci3054283 |
| 1992-08-15T02:57:22.370Z | 34.445 | -116.493 | -0.089 | 3.17 | ci3054212 |
| 1992-08-15T00:19:22.570Z | 33.93 | -116.306 | 3.881 | 3.54 | ci3054179 |
| 1992-08-14T23:25:01.910Z | 34.417 | -116.504 | 0.043 | 3.15 | ci3054168 |
| 1992-08-14T14:43:44.500Z | 34.09 | -116.369 | -0.01 | 3.91 | ci3054010 |
| 1992-08-14T10:50:10.390Z | 34.104 | -116.443 | 7.853 | 3.24 | ci3054091 |
| 1992-08-14T01:31:06.530Z | 34.232 | -116.853 | 9.053 | 3.04 | ci3053850 |
| 1992-08-13T19:53:41.230Z | 34.619 | -116.662 | 3.091 | 3.19 | ci3053775 |
| 1992-08-13T09:45:23.800Z | 34.643 | -116.519 | 4.417 | 3.16 | ci3053660 |
| 1992-08-13T08:14:22.370Z | 34.623 | -116.666 | 4.291 | 3.26 | ci3053652 |
| 1992-08-13T07:25:26.480Z | 34.115 | -116.987 | 2.833 | 3.13 | ci3053641 |
| 1992-08-12T15:12:01.650Z | 34.112 | -116.992 | 2.855 | 3.42 | ci3053417 |
| 1992-08-12T03:26:36.480Z | 33.069 | -116.612 | 5.132 | 3.42 | ci3053268 |
| 1992-08-12T03:26:21.710Z | 33.066 | -116.615 | 14.266 | 3.23 | ci3053239 |

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|---|---|---|---|---|---|
| 1992-08-11T23:27:29.500Z | 34.248 | -116.433 | 2.507 | 3.59 | ci3053192 |
| 1992-08-11T23:08:25.000Z | 34.247 | -116.434 | 2.077 | 3.51 | ci3053187 |
| 1992-08-11T11:28:39.550Z | 34.625 | -116.609 | 3.665 | 3.38 | ci3053037 |
| 1992-08-11T06:11:17.250Z | 34.06 | -116.374 | -0.374 | 4.3 | ci3052987 |
| 1992-08-08T15:37:43.340Z | 34.376 | -116.459 | 1.384 | 4.57 | ci3052180 |
| 1992-08-07T19:04:08.530Z | 34.219 | -116.744 | 0.737 | 3.42 | ci3051871 |
| 1992-08-07T02:11:33.010Z | 34.112 | -116.394 | -1.014 | 3.13 | ci3051641 |
| 1992-08-07T02:04:24.710Z | 34.115 | -116.391 | -0.049 | 3.07 | ci3051639 |
| 1992-08-07T00:43:28.390Z | 34.269 | -116.774 | 0.107 | 3.93 | ci3051614 |
| 1992-08-06T17:23:07.820Z | 34.602 | -116.574 | 8.055 | 3.51 | ci3051512 |
| 1992-08-06T14:49:18.790Z | 34.628 | -116.629 | 7.085 | 3.11 | ci3051283 |
| 1992-08-06T13:14:43.100Z | 34.344 | -116.454 | 2.88 | 3 | ci3051256 |
| 1992-08-05T20:03:56.520Z | 34.271 | -116.869 | 3.467 | 3.15 | ci3051038 |
| 1992-08-05T17:26:10.950Z | 34.098 | -116.45 | 7.398 | 3.56 | ci3051004 |
| 1992-08-05T17:00:18.800Z | 34.515 | -116.518 | 3.904 | 3.17 | ci3051001 |
| 1992-08-05T15:41:54.370Z | 34.646 | -116.53 | 3.107 | 4.09 | ci3051552 |
| 1992-08-05T15:05:07.530Z | 34.039 | -116.358 | 0.233 | 3.21 | ci3051130 |
| 1992-08-05T13:01:53.610Z | 33.195 | -115.602 | 4.4 | 3.05 | ci3050943 |
| 1992-08-05T12:49:06.400Z | 34.04 | -116.362 | 0.286 | 3.24 | ci3050942 |
| 1992-08-04T21:53:23.060Z | 34.085 | -116.381 | -0.896 | 3.07 | ci3050700 |
| 1992-08-04T19:06:12.290Z | 34.102 | -116.384 | -0.925 | 4 | ci3050647 |
| 1992-08-04T05:50:27.460Z | 33.951 | -116.853 | 6.55 | 3.05 | ci3050459 |
| 1992-08-01T14:40:53.060Z | 34.366 | -116.457 | -0.274 | 3.29 | ci3049586 |
| 1992-08-01T08:38:16.460Z | 33.947 | -116.311 | 3.719 | 3.01 | ci3049510 |
| 1992-08-01T04:57:06.930Z | 34.12 | -116.394 | 0.407 | 3.3 | ci3049458 |
| 1992-07-31T22:37:16.950Z | 34.325 | -116.456 | 5.74 | 3.55 | ci3049370 |
| 1992-07-31T18:21:18.760Z | 34.104 | -116.42 | -0.783 | 3.1 | ci3049303 |
| 1992-07-31T18:03:52.400Z | 34.099 | -116.42 | -0.883 | 3.97 | ci3049302 |
| 1992-07-31T16:31:01.840Z | 34.337 | -116.899 | -0.108 | 3.52 | ci3049275 |
| 1992-07-31T11:29:54.160Z | 34.444 | -116.457 | 2.102 | 3.48 | ci3049214 |
| 1992-07-31T10:51:25.900Z | 34.129 | -116.876 | 4.413 | 3.25 | ci3049208 |
| 1992-07-31T06:20:19.350Z | 34.04 | -116.354 | -0.381 | 3.01 | ci3049155 |
| 1992-07-30T21:08:20.910Z | 33.941 | -116.357 | 6.459 | 3.43 | ci3049019 |
| 1992-07-30T20:59:51.800Z | 33.918 | -116.297 | 2.209 | 3.02 | ci3049016 |
| 1992-07-30T07:40:15.360Z | 34.393 | -116.458 | 2.126 | 3.1 | ci3048833 |
| 1992-07-29T16:48:59.200Z | 34.353 | -116.468 | 5.116 | 3.05 | ci3048571 |
| 1992-07-29T13:34:43.730Z | 34.203 | -116.863 | 0.75 | 3.27 | ci3048929 |
| 1992-07-29T13:33:22.600Z | 34.326 | -116.452 | 0.184 | 3.48 | ci3048508 |
| 1992-07-29T07:43:59.760Z | 34.628 | -116.664 | 1.888 | 3.11 | ci3048415 |
| 1992-07-29T01:04:08.720Z | 34.117 | -116.419 | -0.903 | 3.1 | ci3048307 |
| 1992-07-29T00:32:40.910Z | 34.048 | -116.403 | 3.403 | 3.14 | ci3048298 |
| 1992-07-28T18:27:03.900Z | 34.112 | -116.415 | -0.893 | 4.6 | ci3048163 |
| 1992-07-28T17:41:08.970Z | 34.447 | -116.484 | 0.056 | 3.01 | ci3048156 |

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|---|---|---|---|---|---|
| 1992-07-28T05:40:10.340Z | 34.351 | -116.448 | -1.166 | 3.15 | ci3047956 |
| 1992-07-27T22:17:14.880Z | 34.294 | -116.864 | 3.865 | 3.26 | ci3047843 |
| 1992-07-27T11:12:13.850Z | 34.24 | -116.836 | 1.553 | 3.07 | ci3047641 |
| 1992-07-26T19:26:02.680Z | 34.314 | -116.451 | 4.136 | 3.27 | ci3047800 |
| 1992-07-26T11:19:58.200Z | 33.9 | -116.282 | 5.551 | 3.05 | ci3047296 |
| 1992-07-25T17:02:20.240Z | 33.941 | -116.304 | 4.171 | 3.86 | ci3047019 |
| 1992-07-25T12:41:42.550Z | 33.901 | -116.289 | 5.181 | 3.07 | ci3046937 |
| 1992-07-25T10:27:10.390Z | 34.267 | -116.917 | 3.494 | 3.85 | ci3046907 |
| 1992-07-25T08:21:40.390Z | 34.111 | -116.919 | 4.373 | 3.45 | ci3047103 |
| 1992-07-25T06:35:54.590Z | 34.194 | -116.431 | -1.123 | 3.18 | ci3046851 |
| 1992-07-25T04:31:59.930Z | 33.937 | -116.306 | 3.701 | 4.83 | ci3046818 |
| 1992-07-25T04:11:47.350Z | 34.08 | -116.377 | -0.886 | 3.21 | ci3046816 |
| 1992-07-25T00:35:29.190Z | 34.272 | -116.726 | -0.194 | 3.14 | ci3046765 |
| 1992-07-24T22:31:49.340Z | 34.28 | -116.777 | 0.855 | 3.22 | ci3046731 |
| 1992-07-24T18:21:24.230Z | 33.902 | -116.286 | 7.814 | 3.34 | ci3046662 |
| 1992-07-24T18:16:53.280Z | 33.904 | -116.289 | 6.371 | 3.38 | ci3047952 |
| 1992-07-24T18:14:36.250Z | 33.901 | -116.285 | 7.214 | 4.96 | ci3046661 |
| 1992-07-24T12:26:10.180Z | 34.193 | -116.868 | 2.497 | 3.11 | ci3046563 |
| 1992-07-24T07:23:56.070Z | 34.488 | -116.484 | 7.182 | 3.98 | ci3046496 |
| 1992-07-24T06:37:37.740Z | 34.324 | -116.637 | 1.888 | 3.03 | ci3046488 |
| 1992-07-23T23:05:07.950Z | 34.085 | -116.855 | 1.252 | 3.41 | ci3046349 |
| 1992-07-23T22:42:06.170Z | 34.084 | -116.854 | 1.122 | 3.18 | ci3046344 |
| 1992-07-23T12:51:06.510Z | 34.063 | -116.41 | -0.907 | 3.01 | ci3046169 |
| 1992-07-23T07:37:25.640Z | 34.174 | -116.806 | 3.663 | 3.51 | ci3046103 |
| 1992-07-23T02:08:12.050Z | 34.136 | -116.865 | 10.02 | 3.14 | ci3046010 |
| 1992-07-22T18:56:37.580Z | 34.306 | -116.996 | 5.447 | 3.13 | ci3045879 |
| 1992-07-22T10:41:58.000Z | 34.111 | -116.918 | 4.015 | 3.1 | ci3045738 |
| 1992-07-22T07:10:04.300Z | 34.313 | -116.48 | 0.807 | 3.02 | ci3045683 |
| 1992-07-22T05:28:55.320Z | 34.573 | -116.546 | 3.782 | 3.08 | ci3045652 |
| 1992-07-22T04:13:56.490Z | 34.349 | -116.482 | -1.048 | 3.08 | ci3045630 |
| 1992-07-21T23:22:10.150Z | 34.133 | -116.603 | 0.565 | 4.11 | ci3045548 |
| 1992-07-21T21:12:45.040Z | 34.217 | -116.772 | 0.05 | 3.25 | ci3045554 |
| 1992-07-21T21:10:29.020Z | 34.219 | -116.771 | -0.1 | 4 | ci3045519 |
| 1992-07-21T18:00:50.780Z | 33.941 | -116.346 | 3.398 | 3.41 | ci3045453 |
| 1992-07-21T13:30:01.730Z | 34.15 | -116.848 | 10.194 | 3.54 | ci3045384 |
| 1992-07-20T23:04:11.680Z | 34.511 | -116.53 | 5.045 | 3.27 | ci3045146 |
| 1992-07-20T08:45:49.000Z | 34.055 | -116.38 | 2.08 | 3.25 | ci3044960 |
| 1992-07-20T07:10:13.650Z | 34.282 | -116.444 | 5.045 | 3.58 | ci3044944 |
| 1992-07-20T06:16:34.090Z | 34.113 | -116.724 | 9.858 | 3.44 | ci3044929 |
| 1992-07-20T04:08:23.020Z | 34.195 | -116.431 | 5.051 | 4.14 | ci3044893 |
| 1992-07-19T16:22:50.050Z | 34.54 | -116.542 | 2.837 | 3 | ci3044748 |
| 1992-07-18T22:14:04.970Z | 34.278 | -116.731 | -0.665 | 3.02 | ci3044484 |
| 1992-07-18T20:09:05.230Z | 34.317 | -116.413 | 5.067 | 3.11 | ci3044455 |

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|---|---|---|---|---|---|
| 1992-07-18T12:00:52.450Z | 34.408 | -116.425 | -0.598 | 3.27 | ci3044333 |
| 1992-07-18T01:01:15.060Z | 34.099 | -116.401 | 2.671 | 3.51 | ci3044172 |
| 1992-07-18T00:36:16.960Z | 34.067 | -116.385 | 2.105 | 3.4 | ci3044169 |
| 1992-07-18T00:06:11.240Z | 34.096 | -116.418 | 1.661 | 3.95 | ci3044164 |
| 1992-07-17T21:38:31.470Z | 34.544 | -116.544 | 3.86 | 3.15 | ci3044119 |
| 1992-07-17T17:46:41.960Z | 34.031 | -116.431 | 7.763 | 3.21 | ci3044058 |
| 1992-07-17T17:04:51.960Z | 34.476 | -116.506 | 2.526 | 3.03 | ci3044040 |
| 1992-07-16T17:19:17.380Z | 34.443 | -116.454 | 1.651 | 3.77 | ci3043567 |
| 1992-07-16T16:36:25.960Z | 34.442 | -116.535 | 2.532 | 3.47 | ci3043767 |
| 1992-07-16T16:36:22.220Z | 34.442 | -116.526 | 4.111 | 3.86 | ci3043540 |
| 1992-07-16T11:38:48.390Z | 34.141 | -116.721 | 4.58 | 3.27 | ci3043457 |
| 1992-07-16T11:38:11.660Z | 33.882 | -116.247 | 4.025 | 3.48 | ci3045626 |
| 1992-07-16T05:45:38.560Z | 34.073 | -116.385 | 7.567 | 3.15 | ci3119065 |
| 1992-07-16T02:16:24.010Z | 34.625 | -116.633 | 1.555 | 3.05 | ci3044095 |
| 1992-07-16T01:39:27.780Z | 33.937 | -116.31 | 0.719 | 3.56 | ci3043301 |
| 1992-07-16T01:38:58.450Z | 34.14 | -116.868 | 2.058 | 3.94 | ci3043346 |
| 1992-07-16T01:37:51.160Z | 34.418 | -116.468 | 1.542 | 3.57 | ci3043345 |
| 1992-07-15T12:45:20.950Z | 34.117 | -116.376 | 0.702 | 3.7 | ci3042953 |
| 1992-07-15T04:05:20.290Z | 34.275 | -116.694 | 3.032 | 3.1 | ci3042834 |
| 1992-07-15T00:18:56.890Z | 34.332 | -116.462 | -0.847 | 3.96 | ci3042764 |
| 1992-07-14T22:33:13.060Z | 33.937 | -116.398 | -1.04 | 3.08 | ci3042732 |
| 1992-07-14T20:46:43.030Z | 34.246 | -116.441 | 4.909 | 3.23 | ci3042690 |
| 1992-07-14T20:36:51.520Z | 34.644 | -116.644 | 5.782 | 3.82 | ci3042689 |
| 1992-07-14T17:24:37.350Z | 34.243 | -116.458 | 5.054 | 3.3 | ci3042621 |
| 1992-07-14T16:21:51.150Z | 34.114 | -116.409 | 5.119 | 3.41 | ci3224812 |
| 1992-07-14T15:09:15.690Z | 34.219 | -116.771 | 0.127 | 3.76 | ci3042589 |
| 1992-07-14T13:04:02.640Z | 34.187 | -116.801 | -0.36 | 3.44 | ci3042555 |
| 1992-07-14T12:41:55.030Z | 34.601 | -116.627 | 2.462 | 3.33 | ci3042553 |
| 1992-07-14T06:38:35.120Z | 34.063 | -116.416 | 0.05 | 3.14 | ci3111974 |
| 1992-07-14T03:43:53.610Z | 34.192 | -116.436 | -0.919 | 3.29 | ci3042403 |
| 1992-07-13T19:30:30.340Z | 34.58 | -116.322 | 4.914 | 3.03 | ci3110977 |
| 1992-07-13T18:14:59.550Z | 33.166 | -116.534 | 10.151 | 3 | ci3042214 |
| 1992-07-13T11:33:47.280Z | 34.208 | -116.86 | 0.058 | 3.26 | ci3102057 |
| 1992-07-13T05:00:00.800Z | 34.087 | -116.41 | 2.289 | 3.79 | ci3041981 |
| 1992-07-13T00:11:51.080Z | 34.326 | -116.673 | -1.17 | 3.89 | ci3041900 |
| 1992-07-12T23:18:20.810Z | 34.032 | -116.363 | 0.693 | 3.15 | ci3042122 |
| 1992-07-12T23:09:29.400Z | 34.073 | -116.413 | -0.997 | 3.06 | ci3041880 |
| 1992-07-12T22:36:50.850Z | 34.264 | -116.455 | 4.343 | 3.58 | ci3041872 |
| 1992-07-12T16:36:14.060Z | 34.245 | -116.439 | 2.605 | 3.38 | ci3041761 |
| 1992-07-12T13:40:04.510Z | 34.399 | -116.474 | -0.417 | 3.05 | ci3041712 |
| 1992-07-12T11:53:18.580Z | 34.423 | -116.533 | 2.084 | 3.1 | ci3132558 |
| 1992-07-12T11:13:27.340Z | 34.551 | -116.535 | 8.621 | 3.04 | ci3041669 |
| 1992-07-12T07:00:18.410Z | 34.132 | -117.006 | 2.728 | 3.24 | ci3041614 |

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|---|---|---|---|---|---|
| 1992-07-12T05:35:13.440Z | 34.551 | -116.537 | 7.451 | 3.91 | ci3041594 |
| 1992-07-12T04:59:14.450Z | 34.634 | -116.618 | 4.696 | 3.05 | ci3041582 |
| 1992-07-12T02:17:59.800Z | 34.096 | -116.405 | 2.222 | 3.29 | ci3109034 |
| 1992-07-12T00:08:58.660Z | 34.109 | -116.914 | 6.836 | 3.18 | ci3110115 |
| 1992-07-11T21:32:26.230Z | 34.197 | -116.79 | 1.016 | 3.28 | ci3109594 |
| 1992-07-11T19:45:22.500Z | 34.19 | -116.801 | -0.16 | 3.06 | ci3041415 |
| 1992-07-11T18:07:07.310Z | 34.472 | -116.524 | -1.094 | 3.43 | ci3041387 |
| 1992-07-11T07:21:36.290Z | 34.445 | -116.499 | 0.754 | 3.8 | ci3109027 |
| 1992-07-11T04:14:13.420Z | 34.173 | -116.432 | 3.682 | 3.07 | ci3041147 |
| 1992-07-11T00:14:07.100Z | 34.333 | -116.642 | -1.252 | 3.02 | ci3041064 |
| 1992-07-10T23:55:51.610Z | 34.626 | -116.547 | 1.667 | 3.29 | ci3041060 |
| 1992-07-10T19:06:27.990Z | 34.65 | -116.459 | -0.384 | 3.2 | ci3041441 |
| 1992-07-10T16:43:37.470Z | 34.585 | -116.59 | 5.862 | 3.03 | ci3108936 |
| 1992-07-10T16:30:56.290Z | 34.496 | -116.521 | 1.526 | 3.21 | ci3108931 |
| 1992-07-10T16:01:37.480Z | 34.469 | -116.507 | 0.736 | 3.44 | ci3040693 |
| 1992-07-10T14:51:32.200Z | 34.204 | -116.807 | 1.186 | 3.2 | ci3040663 |
| 1992-07-10T14:23:18.840Z | 34.469 | -116.502 | -0.514 | 3.05 | ci3040658 |
| 1992-07-10T12:55:59.850Z | 34.066 | -116.366 | 1.242 | 3.14 | ci3108421 |
| 1992-07-10T09:45:46.840Z | 34.443 | -116.499 | 0.735 | 3.09 | ci3040563 |
| 1992-07-10T07:52:12.340Z | 34.313 | -116.458 | 4.262 | 3.3 | ci3040526 |
| 1992-07-10T05:48:43.240Z | 34.108 | -116.401 | 2.476 | 3.34 | ci3040486 |
| 1992-07-10T04:57:07.660Z | 34.077 | -116.378 | -0.468 | 3.38 | ci3108721 |
| 1992-07-10T03:40:15.350Z | 34.326 | -116.652 | -0.04 | 3.04 | ci3040449 |
| 1992-07-10T02:41:14.380Z | 34.12 | -116.394 | 2.266 | 4 | ci3108718 |
| 1992-07-10T02:30:23.580Z | 34.228 | -116.817 | -1.564 | 3.52 | ci3108550 |
| 1992-07-10T01:56:37.800Z | 34.229 | -116.82 | -1.854 | 3.23 | ci3040417 |
| 1992-07-10T01:29:40.000Z | 34.232 | -116.846 | -1.514 | 4.22 | ci3040406 |
| 1992-07-10T01:14:54.160Z | 34.101 | -116.435 | 2.156 | 3.18 | ci3040401 |
| 1992-07-09T21:43:53.880Z | 34.275 | -116.726 | 0.001 | 3.06 | ci3108313 |
| 1992-07-09T21:14:03.390Z | 34.116 | -116.393 | -0.339 | 3.01 | ci3106250 |
| 1992-07-09T17:08:59.650Z | 34.152 | -116.544 | 7.474 | 3.34 | ci3040203 |
| 1992-07-09T12:23:17.830Z | 34.217 | -116.809 | -0.531 | 4.18 | ci3040107 |
| 1992-07-09T12:15:56.600Z | 34.225 | -116.74 | -0.557 | 3.41 | ci3040105 |
| 1992-07-09T09:49:16.230Z | 34.595 | -116.627 | 2.082 | 3.4 | ci3040040 |
| 1992-07-09T08:14:54.430Z | 34.025 | -116.35 | 0.266 | 3.21 | ci3040330 |
| 1992-07-09T07:41:45.980Z | 34.286 | -116.682 | 7.208 | 3.02 | ci3039994 |
| 1992-07-09T06:05:36.760Z | 34.233 | -116.827 | -1.635 | 3 | ci3040184 |
| 1992-07-09T06:03:28.970Z | 34.233 | -116.83 | -1.404 | 3.86 | ci3039963 |
| 1992-07-09T05:37:37.530Z | 34.181 | -116.868 | 7.573 | 3.32 | ci3209289 |
| 1992-07-09T05:05:15.620Z | 34.232 | -116.846 | -0.375 | 3.09 | ci3209183 |
| 1992-07-09T04:03:13.990Z | 34.231 | -116.823 | -1.534 | 3.67 | ci3118276 |
| 1992-07-09T03:14:18.170Z | 34.425 | -116.482 | 0.952 | 3.12 | ci3039906 |
| 1992-07-09T02:56:54.290Z | 34.227 | -116.851 | -1.666 | 3.87 | ci3040313 |

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|---|---|---|---|---|---|
| 1992-07-09T02:43:38.740Z | 34.23 | -116.831 | -1.524 | 3.38 | ci3039895 |
| 1992-07-09T02:41:53.020Z | 34.224 | -116.845 | -0.604 | 3.25 | ci3039894 |
| 1992-07-09T02:37:24.440Z | 34.228 | -116.845 | -1.924 | 3.7 | ci3040288 |
| 1992-07-09T02:34:35.040Z | 34.225 | -116.844 | -1.407 | 4.17 | ci3039891 |
| 1992-07-09T02:27:43.250Z | 34.645 | -116.654 | 3.694 | 3.18 | ci3137237 |
| 1992-07-09T02:23:47.140Z | 34.215 | -116.822 | -0.444 | 3.03 | ci3110828 |
| 1992-07-09T01:43:57.610Z | 34.239 | -116.837 | -1.934 | 4.87 | ci3039881 |
| 1992-07-08T23:58:22.600Z | 34.234 | -116.837 | -1.924 | 3.29 | ci3039838 |
| 1992-07-08T19:47:18.530Z | 34.074 | -116.377 | 1.59 | 3.24 | ci3104892 |
| 1992-07-08T18:19:12.790Z | 34.293 | -116.481 | 4.907 | 3.21 | ci3039300 |
| 1992-07-08T17:59:51.950Z | 34.259 | -116.454 | 1.917 | 3.21 | ci3039208 |
| 1992-07-08T15:34:08.560Z | 34.347 | -116.465 | 4.838 | 3.6 | ci3038445 |
| 1992-07-08T08:05:38.730Z | 34.604 | -116.351 | 9.29 | 4.32 | ci3038252 |
| 1992-07-08T07:58:28.200Z | 34.149 | -116.427 | 4.1 | 3.04 | ci3038251 |
| 1992-07-08T02:23:11.330Z | 34.575 | -116.336 | 4.9 | 4.91 | ci3038139 |
| 1992-07-07T22:21:45.470Z | 34.274 | -116.726 | -1.209 | 3.08 | ci3037286 |
| 1992-07-07T22:09:28.330Z | 34.342 | -116.468 | 1.386 | 4.42 | ci3037284 |
| 1992-07-07T21:01:10.840Z | 33.953 | -116.358 | 6.547 | 3.7 | ci3037254 |
| 1992-07-07T19:53:02.800Z | 34.598 | -116.317 | 5.045 | 3.05 | ci3037226 |
| 1992-07-07T17:55:54.730Z | 34.311 | -116.47 | -0.961 | 3.01 | ci3037180 |
| 1992-07-07T17:13:57.630Z | 34.237 | -116.394 | -0.944 | 3.25 | ci3037167 |
| 1992-07-07T16:47:35.930Z | 34.431 | -116.48 | -0.334 | 3.18 | ci3037159 |
| 1992-07-07T16:17:54.760Z | 34.247 | -116.716 | -0.347 | 3.1 | ci3037150 |
| 1992-07-07T15:39:58.620Z | 34.161 | -116.426 | -0.738 | 3.45 | ci3037136 |
| 1992-07-07T13:53:28.570Z | 34.398 | -116.464 | -0.684 | 3.5 | ci3037091 |
| 1992-07-07T13:38:03.730Z | 34.23 | -116.833 | -1.934 | 3.59 | ci3037082 |
| 1992-07-07T12:11:26.080Z | 34.059 | -116.408 | 2.252 | 3.18 | ci3037046 |
| 1992-07-07T11:42:41.890Z | 34.581 | -116.533 | 4.54 | 3.15 | ci2081122 |
| 1992-07-07T09:29:47.760Z | 34.207 | -116.771 | -0.041 | 3.58 | ci3036991 |
| 1992-07-07T08:38:03.210Z | 34.211 | -116.766 | 0.029 | 3.48 | ci3036972 |
| 1992-07-07T08:21:03.140Z | 34.069 | -116.382 | 2.182 | 4.14 | ci3036970 |
| 1992-07-07T07:18:52.660Z | 34.589 | -116.293 | 4.962 | 3.01 | ci3089206 |
| 1992-07-07T05:59:59.760Z | 34.588 | -116.598 | 5.868 | 3.45 | ci3036923 |
| 1992-07-07T05:33:41.480Z | 34.635 | -116.509 | 2.568 | 3.49 | ci3036915 |
| 1992-07-07T04:48:52.600Z | 34.246 | -116.715 | 0.013 | 3.89 | ci3036901 |
| 1992-07-07T01:45:38.380Z | 34.232 | -116.895 | 3.586 | 3.38 | ci3036828 |
| 1992-07-07T01:12:49.950Z | 34.63 | -116.629 | 6.012 | 3.03 | ci3036814 |
| 1992-07-06T19:48:13.950Z | 34.456 | -116.484 | 1.805 | 3 | ci3036689 |
| 1992-07-06T19:42:43.640Z | 34.08 | -116.384 | 1.797 | 3.19 | ci3037043 |
| 1992-07-06T19:41:37.890Z | 34.082 | -116.379 | 2.183 | 4.44 | ci3036688 |
| 1992-07-06T18:27:27.730Z | 34.152 | -116.407 | 0.155 | 3.66 | ci3036662 |
| 1992-07-06T18:06:36.310Z | 34.457 | -116.477 | -0.475 | 4.26 | ci3036655 |
| 1992-07-06T17:22:01.500Z | 34.263 | -116.44 | 0.057 | 3.27 | ci3036642 |

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|---|---|---|---|---|---|
| 1992-07-06T17:10:23.350Z | 34.6 | -116.636 | 2.504 | 3.08 | ci3036743 |
| 1992-07-06T13:15:09.620Z | 34.236 | -116.856 | 2.379 | 3 | ci3035726 |
| 1992-07-06T12:48:25.610Z | 34.312 | -116.459 | 3.357 | 3.51 | ci3035715 |
| 1992-07-06T12:26:12.340Z | 34.047 | -116.366 | 0.683 | 3.3 | ci3035710 |
| 1992-07-06T12:00:59.190Z | 34.092 | -116.37 | 0.683 | 4.43 | ci3035697 |
| 1992-07-06T11:46:34.650Z | 34.221 | -116.746 | 0.651 | 3.36 | ci3035694 |
| 1992-07-06T11:42:53.470Z | 34.128 | -116.917 | 3.635 | 3.24 | ci3035692 |
| 1992-07-06T11:38:03.440Z | 34.094 | -116.448 | 7.934 | 3.34 | ci3035723 |
| 1992-07-06T11:35:33.360Z | 34.093 | -116.447 | 8.894 | 3.94 | ci3035691 |
| 1992-07-06T11:03:13.900Z | 34.165 | -116.829 | 8.745 | 3.21 | ci3035679 |
| 1992-07-06T06:00:44.440Z | 34.101 | -116.384 | 1.777 | 3.25 | ci3035564 |
| 1992-07-06T04:49:30.620Z | 34.582 | -116.306 | 4.854 | 3.49 | ci3036979 |
| 1992-07-06T04:48:34.490Z | 34.053 | -116.429 | 8.993 | 3.58 | ci3035540 |
| 1992-07-06T03:18:41.720Z | 34.614 | -116.337 | -1.087 | 3.05 | ci3035812 |
| 1992-07-06T02:13:59.340Z | 34.565 | -116.286 | 4.918 | 3.45 | ci3035477 |
| 1992-07-06T02:10:02.380Z | 34.572 | -116.298 | 4.918 | 3.3 | ci3035475 |
| 1992-07-06T01:11:37.660Z | 34.223 | -116.863 | 0.839 | 3.59 | ci3035441 |
| 1992-07-06T00:15:30.060Z | 34.101 | -116.399 | 3.753 | 3.13 | ci3035416 |
| 1992-07-05T23:11:10.280Z | 34.585 | -116.29 | 4.903 | 3.48 | ci3035388 |
| 1992-07-05T22:45:14.480Z | 34.583 | -116.302 | 4.918 | 3.34 | ci3035376 |
| 1992-07-05T22:33:46.040Z | 34.585 | -116.301 | 5.08 | 4.43 | ci3035375 |
| 1992-07-05T22:08:31.950Z | 34.587 | -116.295 | 4.903 | 3.8 | ci3035369 |
| 1992-07-05T21:18:27.600Z | 34.583 | -116.322 | 4.922 | 5.42 | ci3035348 |
| 1992-07-05T21:05:36.340Z | 34.631 | -116.68 | -0.918 | 3.38 | ci3096977 |
| 1992-07-05T20:26:31.410Z | 34.339 | -116.641 | -1.514 | 3.03 | ci3035333 |
| 1992-07-05T20:03:03.100Z | 34.298 | -116.805 | 1.125 | 4.06 | ci3035325 |
| 1992-07-05T19:15:20.020Z | 34.094 | -116.849 | 0.25 | 3.55 | ci3035308 |
| 1992-07-05T19:01:36.410Z | 34.097 | -116.855 | 0.17 | 3.2 | ci3035513 |
| 1992-07-05T19:00:39.500Z | 34.093 | -116.85 | 0.32 | 3.43 | ci3035514 |
| 1992-07-05T18:48:27.280Z | 34.272 | -116.406 | 1.399 | 3.68 | ci3035298 |
| 1992-07-05T18:23:39.390Z | 34.273 | -116.408 | -0.091 | 3.45 | ci3095731 |
| 1992-07-05T18:23:15.670Z | 34.531 | -116.541 | -1.356 | 3.28 | ci3035294 |
| 1992-07-05T17:57:28.020Z | 34.513 | -116.513 | 6.536 | 3.15 | ci3035285 |
| 1992-07-05T13:52:59.410Z | 34.121 | -116.391 | 0.144 | 3.86 | ci3035178 |
| 1992-07-05T12:01:54.340Z | 34.245 | -116.791 | 5.261 | 3.34 | ci3035139 |
| 1992-07-05T11:28:22.990Z | 34.171 | -116.821 | 7.56 | 3.08 | ci3035125 |
| 1992-07-05T11:14:38.040Z | 34.068 | -116.365 | 1.483 | 3.82 | ci3035120 |
| 1992-07-05T10:36:19.090Z | 34.62 | -116.343 | 6.614 | 3.55 | ci3035109 |
| 1992-07-05T10:23:11.620Z | 34.124 | -117.001 | 3.309 | 3.07 | ci3035107 |
| 1992-07-05T08:06:29.850Z | 34.128 | -116.731 | 9.223 | 3.15 | ci3035053 |
| 1992-07-05T06:53:03.940Z | 34.39 | -116.457 | 0.583 | 3.75 | ci3035014 |
| 1992-07-05T05:49:38.160Z | 33.945 | -116.399 | 2.14 | 4.07 | ci3034959 |
| 1992-07-05T04:31:18.340Z | 34.644 | -116.659 | 3.472 | 3.63 | ci3034930 |

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|---|---|---|---|---|---|
| 1992-07-05T04:18:45.500Z | 33.677 | -116.705 | 16.781 | 3.09 | ci3094727 |
| 1992-07-05T03:16:27.420Z | 34.071 | -116.371 | 1.213 | 3.48 | ci3034910 |
| 1992-07-05T02:09:27.870Z | 34.191 | -116.803 | -0.89 | 3.32 | ci3034890 |
| 1992-07-05T01:58:18.850Z | 34.314 | -116.455 | 6.997 | 3.32 | ci3034889 |
| 1992-07-04T23:11:50.190Z | 34.093 | -116.425 | -0.511 | 3.01 | ci3034822 |
| 1992-07-04T21:08:47.270Z | 34.192 | -116.433 | -1.057 | 3.25 | ci3035209 |
| 1992-07-04T21:06:51.490Z | 34.199 | -116.435 | -1.057 | 3.6 | ci3034783 |
| 1992-07-04T17:55:01.030Z | 34.602 | -116.638 | -1.158 | 3.09 | ci3035283 |
| 1992-07-04T16:28:38.540Z | 34.599 | -116.663 | 4.342 | 3.01 | ci3095346 |
| 1992-07-04T14:47:24.960Z | 34.581 | -116.581 | 4.672 | 3.33 | ci3034657 |
| 1992-07-04T13:23:15.990Z | 34.245 | -116.744 | 1.504 | 3.12 | ci3034625 |
| 1992-07-04T13:15:17.000Z | 34.326 | -116.412 | 4.592 | 3 | ci3034622 |
| 1992-07-04T12:11:47.340Z | 34.643 | -116.659 | 3.832 | 3.25 | ci3034601 |
| 1992-07-04T10:33:40.460Z | 34.312 | -116.429 | 5.792 | 3.44 | ci3035065 |
| 1992-07-04T10:32:45.990Z | 34.347 | -116.469 | 6.782 | 3.43 | ci3034560 |
| 1992-07-04T09:36:01.200Z | 34.293 | -116.887 | 1.483 | 3.45 | ci3035032 |
| 1992-07-04T06:50:01.250Z | 34.62 | -116.615 | 4.862 | 3.17 | ci3034471 |
| 1992-07-04T06:09:52.480Z | 34.09 | -116.857 | 1 | 3.02 | ci3034457 |
| 1992-07-04T05:52:04.090Z | 34.091 | -116.38 | 0.842 | 3.14 | ci3034453 |
| 1992-07-04T04:54:15.430Z | 34.223 | -116.774 | 0.997 | 3.11 | ci3034431 |
| 1992-07-04T04:48:50.890Z | 33.928 | -116.328 | 1.937 | 3.34 | ci3034430 |
| 1992-07-04T02:32:00.060Z | 34.089 | -116.856 | 0.72 | 3.21 | ci3034362 |
| 1992-07-04T00:12:09.490Z | 33.994 | -116.374 | 0.117 | 3.03 | ci3034296 |
| 1992-07-03T23:02:57.360Z | 34.015 | -116.338 | -0.373 | 3.01 | ci3034261 |
| 1992-07-03T22:58:30.850Z | 34.21 | -116.838 | 4.134 | 3.01 | ci3034257 |
| 1992-07-03T22:25:41.670Z | 34.073 | -116.421 | -0.997 | 3.12 | ci3034344 |
| 1992-07-03T22:25:01.820Z | 34.575 | -116.455 | 4.399 | 3.31 | ci3034238 |
| 1992-07-03T22:04:25.110Z | 34.511 | -116.54 | 0.461 | 3.29 | ci3034479 |
| 1992-07-03T21:52:20.520Z | 34.056 | -116.381 | 1.076 | 3.37 | ci3034478 |
| 1992-07-03T21:18:22.960Z | 34.619 | -116.644 | 3.542 | 3.83 | ci3034218 |
| 1992-07-03T20:58:02.340Z | 34.542 | -116.552 | 2.641 | 3.15 | ci3034209 |
| 1992-07-03T20:52:46.210Z | 34.292 | -116.721 | -1.612 | 3.72 | ci3034207 |
| 1992-07-03T19:49:56.640Z | 34.122 | -116.415 | 0.574 | 3.9 | ci3034177 |
| 1992-07-03T19:14:08.940Z | 34.077 | -116.413 | -0.177 | 3.04 | ci3034158 |
| 1992-07-03T18:30:44.310Z | 34.261 | -116.96 | 5.469 | 3.08 | ci3224800 |
| 1992-07-03T18:15:59.190Z | 34.281 | -116.702 | 2.734 | 3.18 | ci3034138 |
| 1992-07-03T17:17:06.410Z | 34.262 | -116.896 | 5.558 | 4.1 | ci3034125 |
| 1992-07-03T16:32:20.710Z | 33.983 | -116.281 | 2.207 | 3.06 | ci3034109 |
| 1992-07-03T14:46:44.730Z | 34.094 | -116.395 | -0.063 | 3.16 | ci3034082 |
| 1992-07-03T14:27:24.920Z | 34.262 | -116.899 | 4.874 | 3.27 | ci3034076 |
| 1992-07-03T12:32:24.360Z | 34.538 | -116.534 | 3.451 | 3.48 | ci3034047 |
| 1992-07-03T12:29:51.510Z | 34.528 | -116.539 | -1.094 | 3.48 | ci3034045 |
| 1992-07-03T12:15:42.500Z | 34.179 | -116.812 | 8 | 3.66 | ci3034044 |

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|---|---|---|---|---|---|
| 1992-07-03T11:56:17.150Z | 34.092 | -116.4 | -0.874 | 3.28 | ci3034040 |
| 1992-07-03T11:40:27.480Z | 33.944 | -116.304 | 3.143 | 3.38 | ci3034037 |
| 1992-07-03T10:53:50.320Z | 33.941 | -116.307 | 3.123 | 3.22 | ci3034022 |
| 1992-07-03T10:40:07.600Z | 34.201 | -116.868 | 1.628 | 3.77 | ci3034017 |
| 1992-07-03T10:35:35.410Z | 34.632 | -116.597 | 3.612 | 3.09 | ci3034014 |
| 1992-07-03T10:30:01.140Z | 34.058 | -116.433 | -0.009 | 3.87 | ci3034013 |
| 1992-07-03T10:24:34.200Z | 34.085 | -116.386 | -0.955 | 3.2 | ci3034012 |
| 1992-07-03T09:33:23.170Z | 34.621 | -116.654 | 5.742 | 3.01 | ci3034001 |
| 1992-07-03T08:42:08.040Z | 33.986 | -116.4 | -0.553 | 3.13 | ci3093142 |
| 1992-07-03T08:30:27.190Z | 34.632 | -116.522 | 1.952 | 3 | ci3033984 |
| 1992-07-03T07:50:32.530Z | 34.195 | -116.799 | 1.134 | 3.4 | ci3033974 |
| 1992-07-03T07:14:09.140Z | 34.578 | -116.727 | 5.734 | 3.17 | ci3217138 |
| 1992-07-03T05:55:42.230Z | 34.018 | -116.349 | 2.012 | 3.42 | ci3033926 |
| 1992-07-03T05:10:56.700Z | 34.12 | -116.992 | 2.339 | 3.04 | ci3033907 |
| 1992-07-03T04:19:41.730Z | 34.22 | -116.788 | 0.987 | 3.4 | ci3033887 |
| 1992-07-03T04:15:50.380Z | 34.21 | -116.771 | 8.677 | 4.08 | ci3033884 |
| 1992-07-03T04:10:48.540Z | 34.119 | -116.416 | 1.846 | 3.42 | ci3095614 |
| 1992-07-03T02:40:50.960Z | 33.169 | -115.645 | 4.239 | 3.88 | ci3033898 |
| 1992-07-03T02:37:46.880Z | 33.165 | -115.642 | 4.787 | 3.03 | ci3033848 |
| 1992-07-03T01:38:36.720Z | 34.574 | -116.497 | 5.093 | 3.34 | ci3033825 |
| 1992-07-03T01:01:58.540Z | 34.075 | -116.393 | 2.083 | 3 | ci3033803 |
| 1992-07-02T21:03:22.550Z | 34.202 | -116.782 | 0.386 | 3.52 | ci3033682 |
| 1992-07-02T20:49:24.870Z | 33.982 | -116.347 | 2.223 | 3.2 | ci3033679 |
| 1992-07-02T19:59:43.550Z | 34.126 | -116.415 | 1.315 | 3.52 | ci3033655 |
| 1992-07-02T18:53:49.020Z | 34.241 | -116.392 | -0.944 | 3.49 | ci3115354 |
| 1992-07-02T18:34:26.170Z | 34.384 | -116.458 | 1.722 | 3.91 | ci3033964 |
| 1992-07-02T18:33:42.150Z | 34.037 | -116.357 | 3.739 | 3.1 | ci3033612 |
| 1992-07-02T18:21:39.520Z | 34.045 | -116.35 | 0.491 | 3.61 | ci3033956 |
| 1992-07-02T18:20:10.500Z | 34.043 | -116.351 | 0.291 | 3.51 | ci3033609 |
| 1992-07-02T16:32:46.560Z | 34.341 | -116.67 | -1.374 | 3.19 | ci3033562 |
| 1992-07-02T16:27:56.580Z | 34.341 | -116.67 | -1.444 | 3.84 | ci3033561 |
| 1992-07-02T16:08:24.640Z | 34.119 | -116.994 | 2.929 | 3 | ci3033549 |
| 1992-07-02T15:11:56.810Z | 34.036 | -116.352 | 0.271 | 3.37 | ci3033518 |
| 1992-07-02T12:56:32.940Z | 34.548 | -116.544 | 5.093 | 3.07 | ci3033461 |
| 1992-07-02T12:17:41.600Z | 34.573 | -116.576 | 4.9 | 3.52 | ci3033805 |
| 1992-07-02T12:16:46.980Z | 34.589 | -116.614 | 4.484 | 3.51 | ci3033804 |
| 1992-07-02T11:54:49.400Z | 34.614 | -116.622 | 4.896 | 3 | ci3033433 |
| 1992-07-02T11:31:24.040Z | 34.073 | -116.422 | -0.954 | 3.7 | ci3033421 |
| 1992-07-02T10:51:31.660Z | 34.584 | -116.553 | 4.921 | 3.17 | ci3033397 |
| 1992-07-02T10:43:55.310Z | 33.922 | -116.295 | -0.863 | 3.38 | ci3033396 |
| 1992-07-02T09:51:59.610Z | 34.514 | -116.524 | 5.093 | 3.89 | ci3033371 |
| 1992-07-02T09:49:28.070Z | 34.608 | -116.638 | 4.484 | 3.01 | ci3033566 |
| 1992-07-02T09:42:09.190Z | 34.098 | -116.992 | 1.319 | 3.47 | ci3033503 |

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|---|---|---|---|---|---|
| 1992-07-02T08:45:27.740Z | 34.423 | -116.534 | 1.202 | 3.5 | ci3033344 |
| 1992-07-02T08:25:04.530Z | 34.003 | -116.387 | 0.051 | 3.01 | ci3033330 |
| 1992-07-02T08:13:51.490Z | 34.118 | -116.992 | 2.809 | 3.32 | ci3033328 |
| 1992-07-02T07:56:26.340Z | 34.138 | -116.857 | 1.1 | 3.63 | ci3033319 |
| 1992-07-02T06:24:57.150Z | 34.258 | -116.739 | 1.688 | 3.63 | ci3033282 |
| 1992-07-02T06:13:43.540Z | 34.132 | -116.857 | 6.049 | 3.54 | ci3033486 |
| 1992-07-02T05:16:32.640Z | 34.383 | -116.451 | 5.05 | 3.94 | ci3033256 |
| 1992-07-02T04:12:12.490Z | 34.395 | -116.454 | 5.05 | 3.2 | ci3033227 |
| 1992-07-02T03:51:00.120Z | 34.626 | -116.686 | -1.117 | 3.06 | ci3033217 |
| 1992-07-02T03:33:45.830Z | 34.281 | -116.707 | -0.352 | 3.11 | ci3033209 |
| 1992-07-02T03:31:18.180Z | 34.032 | -117.12 | 4.038 | 3.07 | ci3033742 |
| 1992-07-02T02:39:36.520Z | 34.612 | -116.654 | -1.278 | 3.13 | ci3033184 |
| 1992-07-02T02:29:15.910Z | 34.157 | -116.828 | 4 | 3.09 | ci3033177 |
| 1992-07-02T02:15:43.050Z | 34.175 | -116.413 | 4.532 | 3.01 | ci3033171 |
| 1992-07-02T01:51:11.890Z | 33.979 | -116.338 | -0.22 | 3.41 | ci3033161 |
| 1992-07-02T01:12:47.150Z | 34.628 | -116.663 | 3.827 | 3.07 | ci3093713 |
| 1992-07-02T00:16:22.390Z | 34.313 | -116.445 | 5.101 | 3.97 | ci3033120 |
| 1992-07-01T23:50:50.320Z | 34.008 | -116.374 | 0.131 | 3.55 | ci3033106 |
| 1992-07-01T23:46:47.170Z | 34.343 | -116.468 | 0.352 | 3.58 | ci3033105 |
| 1992-07-01T22:58:42.020Z | 34.161 | -116.402 | -1.018 | 3.66 | ci3033087 |
| 1992-07-01T21:54:06.650Z | 33.98 | -116.348 | 2.07 | 3.15 | ci3033048 |
| 1992-07-01T21:47:53.290Z | 34.018 | -116.366 | 1.69 | 3 | ci3033046 |
| 1992-07-01T20:53:56.750Z | 34.281 | -116.731 | -0.472 | 4.03 | ci3033016 |
| 1992-07-01T20:46:17.800Z | 34.276 | -116.729 | -0.892 | 4.24 | ci3033670 |
| 1992-07-01T20:45:45.870Z | 34.282 | -116.725 | -1.006 | 3.5 | ci3033015 |
| 1992-07-01T20:41:18.440Z | 34.258 | -116.45 | 5.104 | 3.35 | ci3033012 |
| 1992-07-01T20:22:51.970Z | 34.341 | -116.458 | 5.104 | 3.5 | ci3033008 |
| 1992-07-01T19:36:28.170Z | 34.172 | -116.411 | -0.825 | 3.23 | ci3033212 |
| 1992-07-01T18:55:44.800Z | 34.571 | -116.567 | 4.932 | 3.05 | ci3032972 |
| 1992-07-01T18:25:22.430Z | 34.441 | -116.51 | -0.279 | 3.86 | ci3032962 |
| 1992-07-01T18:15:11.610Z | 34.213 | -116.865 | 1.678 | 3.3 | ci3032958 |
| 1992-07-01T18:07:33.950Z | 34.582 | -116.585 | 4.921 | 3.33 | ci3032952 |
| 1992-07-01T17:45:46.850Z | 34.28 | -116.689 | 4.844 | 4.42 | ci3032948 |
| 1992-07-01T17:13:46.680Z | 34.301 | -116.833 | 0.705 | 3.23 | ci3032930 |
| 1992-07-01T17:07:15.080Z | 34.274 | -116.692 | 2.944 | 4.18 | ci3032928 |
| 1992-07-01T15:48:04.520Z | 34.626 | -116.551 | 4.896 | 3.06 | ci3032887 |
| 1992-07-01T15:21:39.910Z | 34.156 | -116.595 | -0.634 | 3 | ci3032873 |
| 1992-07-01T15:08:38.770Z | 34.182 | -116.409 | 4.904 | 3.21 | ci3089438 |
| 1992-07-01T15:07:07.570Z | 34.136 | -116.436 | 0.909 | 3.41 | ci3032869 |
| 1992-07-01T14:42:05.240Z | 34.137 | -116.958 | 2.308 | 3 | ci3032837 |
| 1992-07-01T12:02:27.430Z | 34.117 | -116.386 | -0.987 | 3.21 | ci3032759 |
| 1992-07-01T11:58:42.910Z | 34.188 | -116.901 | 1.198 | 3.42 | ci3032758 |
| 1992-07-01T11:58:01.920Z | 34.203 | -116.797 | 1.444 | 3.23 | ci3089617 |

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|---|---|---|---|---|---|
| 1992-07-01T11:54:48.760Z | 34.188 | -116.801 | -0.7 | 3.31 | ci3032757 |
| 1992-07-01T11:02:24.820Z | 34.593 | -116.633 | -0.068 | 3.4 | ci3032730 |
| 1992-07-01T10:41:32.080Z | 34.125 | -116.419 | 0.344 | 3.34 | ci3032718 |
| 1992-07-01T10:21:09.010Z | 34.121 | -116.418 | -0.714 | 3.38 | ci3032712 |
| 1992-07-01T10:14:54.710Z | 34.341 | -116.463 | 5.091 | 3.01 | ci3032711 |
| 1992-07-01T10:00:10.040Z | 33.971 | -116.373 | 1.867 | 3.14 | ci3032703 |
| 1992-07-01T09:44:43.310Z | 34.086 | -116.412 | 7.146 | 3.62 | ci3032700 |
| 1992-07-01T09:37:42.740Z | 33.998 | -116.356 | 1.772 | 3.15 | ci3089537 |
| 1992-07-01T09:34:42.610Z | 34.18 | -116.807 | -0.421 | 3.04 | ci3032696 |
| 1992-07-01T09:33:24.850Z | 34.103 | -116.387 | 0.323 | 3.18 | ci3032695 |
| 1992-07-01T09:22:16.560Z | 34.015 | -116.35 | 1.231 | 3.11 | ci3032692 |
| 1992-07-01T08:59:44.030Z | 34.4648333 | -116.7608333 | 4.309 | 3.35 | ci3224796 |
| 1992-07-01T08:39:50.040Z | 34.205 | -116.861 | 0.408 | 3.31 | ci3032673 |
| 1992-07-01T07:47:08.410Z | 34.277 | -116.643 | 5.524 | 3.36 | ci3224788 |
| 1992-07-01T07:40:29.900Z | 34.33 | -116.464 | 5.091 | 5.34 | ci3032643 |
| 1992-07-01T07:35:18.880Z | 34.081 | -116.372 | -0.648 | 3.01 | ci3033132 |
| 1992-07-01T07:34:44.490Z | 34.6186667 | -116.6496667 | -0.906 | 3.08 | ci3032640 |
| 1992-07-01T07:30:56.210Z | 34.092 | -116.387 | -1.007 | 3.44 | ci3032638 |
| 1992-07-01T07:24:32.070Z | 34.069 | -116.375 | -0.755 | 3.6 | ci3089461 |
| 1992-07-01T07:24:11.650Z | 34.633 | -116.634 | 7.284 | 3.15 | ci3032630 |
| 1992-07-01T07:20:00.070Z | 34.062 | -116.369 | -1.093 | 3.39 | ci3033126 |
| 1992-07-01T07:18:09.290Z | 34.092 | -116.38 | -0.557 | 3.37 | ci3032625 |
| 1992-07-01T07:13:17.430Z | 34.102 | -116.388 | -1.084 | 3.82 | ci3032623 |
| 1992-07-01T07:04:24.590Z | 34.049 | -116.378 | 0.348 | 3.63 | ci3032816 |
| 1992-07-01T07:01:49.190Z | 34.097 | -116.383 | -0.997 | 4.41 | ci3032618 |
| 1992-07-01T06:48:22.660Z | 34.071 | -116.415 | 0.362 | 3.49 | ci3032611 |
| 1992-07-01T06:30:40.980Z | 34.024 | -116.362 | 2.821 | 3 | ci3032604 |
| 1992-07-01T05:43:56.670Z | 34.019 | -116.351 | 0.703 | 3.29 | ci3032868 |
| 1992-07-01T05:18:29.800Z | 34.052 | -116.39 | -0.997 | 3.15 | ci3032567 |
| 1992-07-01T04:43:53.960Z | 34.18 | -116.804 | 1.89 | 3.61 | ci3032551 |
| 1992-07-01T02:29:45.220Z | 34.031 | -116.881 | 19.301 | 3.26 | ci3032490 |
| 1992-07-01T02:24:01.380Z | 34.397 | -116.457 | 0.502 | 3.45 | ci3032488 |
| 1992-07-01T01:43:34.310Z | 34.433 | -116.4808333 | -0.873 | 3.12 | ci3032466 |
| 1992-07-01T00:39:21.640Z | 34.1898333 | -116.7938333 | -1.797 | 3.31 | ci3032445 |
| 1992-07-01T00:32:25.600Z | 34.2553333 | -116.7326667 | -1.539 | 3.16 | ci3034394 |
| 1992-07-01T00:14:26.820Z | 34.0766667 | -116.9868333 | 1.784 | 3.65 | ci3032435 |
| 1992-07-01T00:12:05.390Z | 34.2021667 | -116.8305 | -1.877 | 3.48 | ci3032434 |
| 1992-07-01T00:04:43.490Z | 34.4451667 | -116.4948333 | 4.25 | 3.06 | ci3032907 |
| 1992-07-01T00:03:17.850Z | 34.6253333 | -116.5425 | 3.032 | 3.13 | ci3032432 |
| 1992-06-30T23:52:52.850Z | 34.0656667 | -116.3643333 | 3.672 | 3.25 | ci3032426 |
| 1992-06-30T22:54:32.970Z | 34.1355 | -116.848 | 9.972 | 3.26 | ci3033063 |
| 1992-06-30T22:09:49.820Z | 34.0945 | -116.9881667 | 0.814 | 3.19 | ci3074995 |
| 1992-06-30T21:49:00.390Z | 34.0778333 | -116.9866667 | 3.064 | 4.48 | ci3032368 |

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|---|---|---|---|---|---|
| 1992-06-30T21:29:14.620Z | 34.4131667 | -116.513 | 1.432 | 3.58 | ci3032365 |
| 1992-06-30T21:24:59.440Z | 34.131 | -116.732 | 9.373 | 3.71 | ci3039676 |
| 1992-06-30T21:23:49.330Z | 34.131 | -116.7368333 | 10.809 | 3 | ci12180759 |
| 1992-06-30T21:22:54.430Z | 34.1301667 | -116.7238333 | 11.616 | 4.85 | ci3038550 |
| 1992-06-30T20:36:28.060Z | 34.6005 | -116.5941667 | -0.419 | 3.68 | ci3032345 |
| 1992-06-30T20:36:20.680Z | 34.4968333 | -116.5203333 | 5.304 | 3.4 | ci12180731 |
| 1992-06-30T20:17:31.530Z | 34.259 | -116.737 | -0.525 | 3.34 | ci3032340 |
| 1992-06-30T20:05:06.620Z | 33.9786667 | -116.36 | -0.564 | 4.11 | ci3032338 |
| 1992-06-30T20:00:25.930Z | 34.6423333 | -116.6563333 | 5.86 | 4.29 | ci3032337 |
| 1992-06-30T19:42:29.520Z | 34.4095 | -116.5146667 | 0.402 | 3.05 | ci3032323 |
| 1992-06-30T19:01:19.360Z | 34.5065 | -116.5395 | -0.907 | 3.37 | ci3032303 |
| 1992-06-30T18:37:47.340Z | 34.16 | -116.4413333 | 7.289 | 3.31 | ci3083793 |
| 1992-06-30T18:24:51.270Z | 34.222 | -116.741 | -1.107 | 3.01 | ci3083770 |
| 1992-06-30T18:24:03.470Z | 34.5786667 | -116.5633333 | -0.135 | 3.39 | ci3032281 |
| 1992-06-30T17:48:46.400Z | 34.3315 | -116.4686667 | 0.582 | 3.74 | ci3032258 |
| 1992-06-30T17:26:30.070Z | 34.6438333 | -116.6555 | 3.18 | 4.47 | ci3032246 |
| 1992-06-30T17:14:21.510Z | 34.0683333 | -116.3571667 | 5.362 | 4.2 | ci3032243 |
| 1992-06-30T16:45:28.490Z | 34.1166667 | -116.3951667 | 7.161 | 3.82 | ci3032233 |
| 1992-06-30T16:36:55.390Z | 34.2366667 | -116.4485 | 3.059 | 3.02 | ci3083542 |
| 1992-06-30T16:36:10.490Z | 34.009 | -116.368 | 1.739 | 3 | ci3032226 |
| 1992-06-30T16:08:13.690Z | 34.1531667 | -116.422 | 7.763 | 3.52 | ci3032709 |
| 1992-06-30T16:06:52.500Z | 34.1556667 | -116.8366667 | 9.333 | 3.58 | ci3032710 |
| 1992-06-30T15:55:50.760Z | 34.451 | -116.4925 | 4.23 | 3.28 | ci3083432 |
| 1992-06-30T15:55:50.330Z | 34.0025 | -116.3621667 | 3.419 | 3.28 | ci3032208 |
| 1992-06-30T15:38:33.710Z | 34.0985 | -116.3813333 | -0.744 | 3.21 | ci3032194 |
| 1992-06-30T15:20:08.270Z | 34.2678333 | -116.7396667 | -1.937 | 4.18 | ci12180487 |
| 1992-06-30T15:19:05.170Z | 34.1705 | -116.4028333 | 1.343 | 4.21 | ci3032189 |
| 1992-06-30T15:17:29.070Z | 34.014 | -116.348 | -0.085 | 3.1 | ci3032561 |
| 1992-06-30T15:09:29.890Z | 33.987 | -116.362 | 0.795 | 3.15 | ci3032186 |
| 1992-06-30T14:50:40.010Z | 34.099 | -116.4191667 | 3.161 | 3.15 | ci3032170 |
| 1992-06-30T14:47:31.720Z | 34.019 | -116.349 | -0.125 | 3.36 | ci3032168 |
| 1992-06-30T14:38:59.810Z | 34.0176667 | -116.3595 | -0.041 | 3.5 | ci12180459 |
| 1992-06-30T14:38:11.720Z | 33.9971667 | -116.3565 | 1.021 | 4.99 | ci3032166 |
| 1992-06-30T14:27:24.460Z | 34.1573333 | -116.4193333 | 6.173 | 3.05 | ci3032163 |
| 1992-06-30T13:52:59.200Z | 34.0201667 | -116.3683333 | 0.66 | 3.34 | ci3032151 |
| 1992-06-30T13:35:27.020Z | 34.1041667 | -116.4191667 | 5.569 | 3.12 | ci3087477 |
| 1992-06-30T13:10:48.950Z | 34.0211667 | -116.3625 | -0.785 | 3.14 | ci3083144 |
| 1992-06-30T12:52:33.000Z | 34.0961667 | -116.4313333 | 0.951 | 3.01 | ci3032121 |
| 1992-06-30T12:34:54.530Z | 34.3228333 | -116.4418333 | 6.582 | 4.32 | ci3032116 |
| 1992-06-30T12:26:19.240Z | 34.0178333 | -116.3525 | -0.918 | 3.79 | ci3032113 |
| 1992-06-30T12:21:07.410Z | 34.363 | -116.4545 | 2.822 | 3.46 | ci3032111 |
| 1992-06-30T12:14:49.630Z | 34.0906667 | -116.402 | 12.18 | 4.27 | ci3032109 |
| 1992-06-30T11:30:29.120Z | 34.0966667 | -116.4045 | 12.13 | 4.49 | ci3041864 |

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|---|---|---|---|---|---|
| 1992-06-30T11:14:11.140Z | 34.0226667 | -116.3591667 | -0.971 | 3 | ci3032080 |
| 1992-06-30T10:51:16.310Z | 34.2245 | -116.7555 | -1.461 | 3.22 | ci3032073 |
| 1992-06-30T10:42:49.860Z | 34.298 | -116.648 | 5 | 3.3 | usp00059yv |
| 1992-06-30T10:21:19.980Z | 34.63 | -116.6735 | -1.231 | 3.24 | ci3086790 |
| 1992-06-30T10:20:59.890Z | 34.3845 | -116.4775 | -0.407 | 3 | ci3032062 |
| 1992-06-30T10:03:24.980Z | 34.599 | -116.6273333 | -1.288 | 3.06 | ci3032053 |
| 1992-06-30T08:57:43.970Z | 34.5621667 | -116.4181667 | 0.745 | 3.61 | ci3032025 |
| 1992-06-30T07:39:14.520Z | 34.2083333 | -116.764 | -1.737 | 3.88 | ci3031992 |
| 1992-06-30T07:36:28.150Z | 34.161 | -116.425 | -0.559 | 3.7 | ci3031990 |
| 1992-06-30T07:19:47.710Z | 34.487 | -116.469 | -1.845 | 3.17 | ci3072915 |
| 1992-06-30T07:18:48.880Z | 34.623 | -116.626 | 6.821 | 3 | ci3031984 |
| 1992-06-30T07:14:25.810Z | 34.092 | -116.4201667 | 4.555 | 3.19 | ci3031982 |
| 1992-06-30T06:13:04.360Z | 34.5723333 | -116.5761667 | -0.549 | 3.11 | ci3031943 |
| 1992-06-30T06:02:05.590Z | 34.1218333 | -116.739 | 7.672 | 3.53 | ci3086434 |
| 1992-06-30T05:55:12.530Z | 34.0846667 | -116.432 | 0.259 | 3.6 | ci3031934 |
| 1992-06-30T05:52:59.000Z | 34.2318333 | -116.851 | 8.776 | 3.07 | ci3086426 |
| 1992-06-30T05:42:26.850Z | 34.635 | -116.512 | 3.158 | 3.04 | ci3031925 |
| 1992-06-30T05:33:48.130Z | 34.2236667 | -116.7401667 | 1.263 | 3.94 | ci3031923 |
| 1992-06-30T05:18:38.740Z | 34.2763333 | -116.7856667 | -1.402 | 3.98 | ci3031918 |
| 1992-06-30T04:31:28.360Z | 34.583 | -116.593 | 3.624 | 3.2 | ci3139541 |
| 1992-06-30T04:22:51.200Z | 34.268 | -116.938 | 4.229 | 3.39 | ci3139539 |
| 1992-06-30T04:08:47.020Z | 34.216 | -116.617 | 5 | 3.3 | usp00059y7 |
| 1992-06-30T03:25:42.800Z | 34.122 | -116.992 | 3.266 | 3.27 | ci3139552 |
| 1992-06-30T02:13:46.360Z | 34.1803333 | -116.4213333 | 4.323 | 3.01 | ci3031865 |
| 1992-06-30T02:03:12.450Z | 34.0741667 | -116.4098333 | -1.063 | 3.33 | ci3031861 |
| 1992-06-30T01:59:49.240Z | 34.3623333 | -116.4721667 | 0.822 | 3.07 | ci3031860 |
| 1992-06-30T01:54:49.440Z | 34.257 | -116.72 | -0.936 | 3.07 | ci3079453 |
| 1992-06-30T01:39:14.200Z | 34.289 | -116.455 | 3.318 | 3.03 | ci3139464 |
| 1992-06-30T01:30:23.050Z | 34.593 | -116.6218333 | -1.406 | 3.07 | ci3086402 |
| 1992-06-30T00:57:20.460Z | 34.641 | -116.659 | 4.792 | 3.02 | ci3031832 |
| 1992-06-30T00:54:38.940Z | 34.092 | -116.439 | -0.343 | 3.3 | ci3031831 |
| 1992-06-30T00:49:45.330Z | 33.901 | -116.262 | 0.594 | 3.7 | ci3031830 |
| 1992-06-30T00:23:54.580Z | 34.23 | -116.508 | 5 | 3.6 | usp00059xt |
| 1992-06-30T00:19:42.870Z | 34.083 | -116.369 | 5 | 3.2 | usp00059xs |
| 1992-06-30T00:06:08.620Z | 34.1266667 | -116.403 | 1.901 | 4.43 | ci3031817 |
| 1992-06-29T23:44:08.810Z | 34.151 | -116.438 | 3.583 | 3.69 | ci3031809 |
| 1992-06-29T23:31:19.260Z | 34.297 | -116.427 | -1.199 | 3 | ci3031803 |
| 1992-06-29T23:28:46.440Z | 34.2606667 | -116.7366667 | -1.143 | 3 | ci3031802 |
| 1992-06-29T23:13:28.180Z | 34.297 | -116.448 | 0.298 | 3.06 | ci3031797 |
| 1992-06-29T21:54:33.310Z | 34.634 | -116.562 | 4.797 | 3.08 | ci3031764 |
| 1992-06-29T21:27:58.090Z | 33.9 | -116.285 | 3.261 | 3.16 | ci3031759 |
| 1992-06-29T21:17:37.240Z | 34.0258333 | -116.3735 | 4.166 | 3.01 | ci3031752 |
| 1992-06-29T21:01:43.260Z | 34.1661667 | -116.8396667 | -0.488 | 3.02 | ci3031749 |

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|---|---|---|---|---|---|
| 1992-06-29T20:42:23.850Z | 34.449 | -116.5246667 | 1.736 | 3.55 | ci3032586 |
| 1992-06-29T20:34:00.350Z | 34.4291667 | -116.4675 | 10.049 | 3.03 | ci3031736 |
| 1992-06-29T20:22:01.500Z | 33.8878333 | -116.2776667 | 0.841 | 3 | ci3076939 |
| 1992-06-29T20:21:59.280Z | 34.1388333 | -116.4735 | -1.223 | 3.26 | ci3031734 |
| 1992-06-29T20:07:35.450Z | 33.889 | -116.289 | 2.141 | 4.08 | ci3031728 |
| 1992-06-29T19:23:20.040Z | 34.166 | -116.772 | 6.63 | 3.96 | ci3031713 |
| 1992-06-29T19:10:30.880Z | 33.892 | -116.2763333 | 3.571 | 3.11 | ci3031710 |
| 1992-06-29T18:35:09.170Z | 34.6186667 | -116.617 | 0.174 | 3.23 | ci3031700 |
| 1992-06-29T18:24:40.970Z | 34.6205 | -116.6703333 | -1.183 | 3.09 | ci3031697 |
| 1992-06-29T18:06:09.220Z | 34.4053333 | -116.5136667 | -1.446 | 3.29 | ci3031687 |
| 1992-06-29T17:55:09.280Z | 34.356 | -116.4183333 | 0.308 | 3 | ci3076174 |
| 1992-06-29T17:52:09.150Z | 34.021 | -116.36 | 2.976 | 3.51 | ci3031684 |
| 1992-06-29T17:42:11.510Z | 34.5923333 | -116.6248333 | 4.253 | 3.25 | ci3031680 |
| 1992-06-29T17:13:16.430Z | 34.5826667 | -116.6158333 | 2.956 | 3 | ci3031676 |
| 1992-06-29T17:11:14.040Z | 33.8926667 | -116.2863333 | 2.321 | 3.67 | ci3076029 |
| 1992-06-29T17:09:16.520Z | 34.393 | -116.4658333 | 2.04 | 3.4 | ci3031675 |
| 1992-06-29T17:02:20.560Z | 34.5111667 | -116.5141667 | 2.827 | 3.03 | ci3076079 |
| 1992-06-29T17:02:01.530Z | 33.8895 | -116.2791667 | 0.397 | 3.25 | ci3031673 |
| 1992-06-29T16:46:06.990Z | 33.866 | -116.32 | -0.219 | 3.02 | ci3031669 |
| 1992-06-29T16:41:41.930Z | 34.249 | -116.719 | -0.003 | 4.64 | ci3031666 |
| 1992-06-29T16:25:29.550Z | 34.0795 | -116.4263333 | 0.276 | 4.25 | ci3031661 |
| 1992-06-29T16:19:59.050Z | 33.8545 | -116.2668333 | 0.201 | 3.55 | ci3031658 |
| 1992-06-29T16:15:06.180Z | 33.895 | -116.29 | 1.351 | 3.41 | ci3031656 |
| 1992-06-29T16:10:53.970Z | 34.1188333 | -116.9901667 | 3.33 | 3.09 | ci3075997 |
| 1992-06-29T16:10:00.530Z | 33.905 | -116.3105 | 8.748 | 3 | ci12179839 |
| 1992-06-29T16:01:42.790Z | 33.8725 | -116.268 | 0.691 | 4.83 | ci3031649 |
| 1992-06-29T15:59:35.530Z | 34.412 | -116.509 | -0.313 | 3.02 | ci3031648 |
| 1992-06-29T15:55:41.570Z | 34.0981667 | -116.7551667 | 8.455 | 3.06 | ci3031646 |
| 1992-06-29T15:46:58.200Z | 34.112 | -116.412 | 3.003 | 3.33 | ci3031644 |
| 1992-06-29T15:37:36.610Z | 34.5226667 | -116.5158333 | -1.066 | 3.59 | ci3072376 |
| 1992-06-29T15:36:36.510Z | 33.8688333 | -116.2736667 | -0.359 | 3.15 | ci3031642 |
| 1992-06-29T15:18:43.300Z | 34.2251667 | -116.7461667 | 1.707 | 3.74 | ci3031635 |
| 1992-06-29T15:11:29.340Z | 34.617 | -116.508 | 4.485 | 3.07 | ci3031634 |
| 1992-06-29T14:55:22.350Z | 33.8746667 | -116.276 | 0.271 | 3.56 | ci3032239 |
| 1992-06-29T14:54:06.870Z | 34.103 | -116.418 | 3.171 | 4.24 | ci3031625 |
| 1992-06-29T14:44:46.570Z | 34.1346667 | -116.399 | 5.591 | 3.07 | ci3031624 |
| 1992-06-29T14:41:26.040Z | 34.111 | -116.9968333 | 3.311 | 4.59 | ci3031622 |
| 1992-06-29T14:34:16.580Z | 34.6395 | -116.6563333 | 4.384 | 3.41 | ci3031619 |
| 1992-06-29T14:33:13.740Z | 33.882 | -116.259 | 5.951 | 3 | ci3086337 |
| 1992-06-29T14:32:35.790Z | 34.113 | -116.407 | 3.551 | 3.6 | ci3086333 |
| 1992-06-29T14:31:30.360Z | 34.081 | -116.386 | 4.173 | 4.64 | ci3031618 |
| 1992-06-29T14:21:48.850Z | 34.0966667 | -116.428 | 1.886 | 3.31 | ci3075856 |
| 1992-06-29T14:13:38.770Z | 34.1045 | -116.39 | 11.191 | 5.08 | ci3031615 |

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|---|---|---|---|---|---|
| 1992-06-29T14:12:06.320Z | 34.104 | -116.4 | 6.313 | 4.18 | ci3031936 |
| 1992-06-29T14:08:37.730Z | 34.105 | -116.403 | 9.649 | 5.69 | ci3031935 |
| 1992-06-29T13:59:10.770Z | 34.5715 | -116.5556667 | -1.098 | 3.1 | ci3031612 |
| 1992-06-29T13:25:08.440Z | 34.146 | -116.477 | 0.484 | 3.05 | ci3031600 |
| 1992-06-29T13:20:03.590Z | 34.642 | -116.488 | 4.975 | 4.22 | ci3032289 |
| 1992-06-29T13:19:34.430Z | 34.2648333 | -116.7453333 | -1.297 | 3.1 | ci3031599 |
| 1992-06-29T13:08:32.400Z | 34.0515 | -116.3566667 | 2.986 | 3.91 | ci3031594 |
| 1992-06-29T13:04:44.030Z | 34.007 | -117.156 | 2.447 | 3.25 | ci3031592 |
| 1992-06-29T13:01:23.510Z | 34.012 | -117.151 | 4.024 | 3.56 | ci3031591 |
| 1992-06-29T12:54:15.680Z | 34.542 | -116.223 | 4.759 | 3.46 | ci3031588 |
| 1992-06-29T12:16:53.990Z | 34.299 | -116.845 | 0.343 | 3.29 | ci3031581 |
| 1992-06-29T12:14:31.990Z | 34.3391667 | -116.4581667 | 5.657 | 3.36 | ci3031580 |
| 1992-06-29T12:07:47.160Z | 34.6006667 | -116.6511667 | 2.144 | 3.14 | ci3031576 |
| 1992-06-29T11:49:17.740Z | 34.09 | -116.389 | 3.391 | 3.39 | ci3031566 |
| 1992-06-29T11:44:56.820Z | 34.601 | -116.615 | 4.816 | 4.47 | ci3101638 |
| 1992-06-29T11:35:20.450Z | 34.183 | -116.417 | -0.768 | 3.69 | ci3031563 |
| 1992-06-29T11:13:18.780Z | 34.2415 | -116.7311667 | 7.023 | 4 | ci3031559 |
| 1992-06-29T11:07:06.570Z | 34.4985 | -116.531 | -0.279 | 4.17 | ci3101481 |
| 1992-06-29T11:06:54.930Z | 34.2673333 | -116.4605 | -1.213 | 3 | ci3031556 |
| 1992-06-29T10:48:08.190Z | 34.2293333 | -116.7643333 | 0.733 | 3.46 | ci3031550 |
| 1992-06-29T10:42:40.690Z | 34.468 | -116.5086667 | -1.233 | 3.1 | ci3031548 |
| 1992-06-29T10:36:59.710Z | 34.111 | -116.411 | 0.611 | 3.86 | ci3031543 |
| 1992-06-29T10:22:49.590Z | 34.08 | -116.389 | 0.253 | 3.84 | ci3031538 |
| 1992-06-29T10:09:02.560Z | 34.592 | -116.647 | 4.834 | 3.38 | ci3031536 |
| 1992-06-29T10:00:03.720Z | 34.1965 | -116.819 | -1.613 | 3.08 | ci3031532 |
| 1992-06-29T09:53:40.760Z | 34.598 | -116.636 | 4.797 | 3 | ci3031527 |
| 1992-06-29T09:42:14.300Z | 34.57 | -116.579 | 5 | 3.08 | ci3031520 |
| 1992-06-29T09:20:20.630Z | 34.373 | -116.4588333 | 2.82 | 3.16 | ci3031504 |
| 1992-06-29T09:11:01.610Z | 34.0213333 | -116.3493333 | -0.356 | 3.3 | ci12179491 |
| 1992-06-29T09:10:56.510Z | 34.115 | -116.378 | 3.231 | 3.2 | ci3031889 |
| 1992-06-29T09:09:55.640Z | 34.582 | -116.522 | 4.638 | 3.43 | ci3031502 |
| 1992-06-29T08:15:13.120Z | 34.5111667 | -116.5346667 | -0.488 | 3.38 | ci3031486 |
| 1992-06-29T08:11:56.470Z | 34.032 | -116.359 | 1.258 | 3.06 | ci3097685 |
| 1992-06-29T08:04:28.120Z | 34.0966667 | -116.3846667 | 1.761 | 3.45 | ci3031482 |
| 1992-06-29T07:52:14.920Z | 34.6173333 | -116.678 | -0.957 | 3.71 | ci3031772 |
| 1992-06-29T07:50:58.750Z | 34.5171667 | -116.5478333 | -1.056 | 3.82 | ci3031771 |
| 1992-06-29T07:49:03.590Z | 34.1953333 | -116.8178333 | -1.083 | 3.09 | ci3031475 |
| 1992-06-29T07:36:56.060Z | 34.0598333 | -116.4126667 | -0.602 | 3.23 | ci3031473 |
| 1992-06-29T07:34:21.590Z | 34.0206667 | -116.3746667 | 2.7 | 3.11 | ci3097679 |
| 1992-06-29T07:06:23.060Z | 34.569 | -116.534 | 4.779 | 3.51 | ci3031730 |
| 1992-06-29T06:39:35.420Z | 34.261 | -116.746 | -1.443 | 3.05 | ci3074177 |
| 1992-06-29T06:20:32.020Z | 34.614 | -116.65 | 4.663 | 3.01 | ci3074526 |
| 1992-06-29T06:16:53.760Z | 34.643 | -116.512 | 4.847 | 3.66 | ci3096623 |

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|---|---|---|---|---|---|
| 1992-06-29T06:15:48.280Z | 34.091 | -116.65 | -1.489 | 3.03 | ci3096622 |
| 1992-06-29T06:02:01.910Z | 34.178 | -116.427 | 4.114 | 3.08 | ci3031436 |
| 1992-06-29T05:55:11.130Z | 34.6148333 | -116.5395 | 5.266 | 3.24 | ci3090969 |
| 1992-06-29T05:50:50.270Z | 34.105 | -116.415 | 0.233 | 3.55 | ci3031434 |
| 1992-06-29T05:48:43.420Z | 34.6338333 | -116.6663333 | 2.853 | 3.42 | ci3091388 |
| 1992-06-29T05:44:47.010Z | 34.1905 | -116.4411667 | -0.066 | 3.12 | ci3073708 |
| 1992-06-29T05:44:27.990Z | 34.307 | -116.448 | 0.008 | 3.07 | ci3073707 |
| 1992-06-29T05:43:04.380Z | 34.344 | -116.465 | 0.208 | 3.32 | ci3031429 |
| 1992-06-29T05:36:44.150Z | 34.5988333 | -116.6331667 | -0.747 | 3.7 | ci3031427 |
| 1992-06-29T05:31:43.120Z | 34.6165 | -116.6585 | -1.487 | 3.06 | ci3091362 |
| 1992-06-29T05:30:48.090Z | 34.098 | -116.386 | 1.99 | 3.36 | ci3091361 |
| 1992-06-29T04:46:59.870Z | 34.3221667 | -116.7765 | 4.087 | 3.09 | ci3031410 |
| 1992-06-29T04:41:54.760Z | 34.126 | -116.405 | 2.193 | 3.63 | ci3100336 |
| 1992-06-29T04:40:46.920Z | 34.5856667 | -116.622 | -1.317 | 3.7 | ci3031406 |
| 1992-06-29T04:36:54.370Z | 34.6026667 | -116.6518333 | -0.786 | 3.49 | ci3041109 |
| 1992-06-29T04:34:26.880Z | 34.1833333 | -116.4153333 | 7.243 | 3.85 | ci3031402 |
| 1992-06-29T04:22:03.910Z | 34.632 | -116.6446667 | 5.021 | 3.09 | ci3031397 |
| 1992-06-29T04:13:25.550Z | 34.5996667 | -116.615 | 1.277 | 3.01 | ci3073695 |
| 1992-06-29T04:12:19.740Z | 34.357 | -116.399 | 0.948 | 3.08 | ci3031391 |
| 1992-06-29T03:45:20.780Z | 34.018 | -116.357 | 1.156 | 3.44 | ci3031376 |
| 1992-06-29T03:34:34.680Z | 34.187 | -116.802 | 7.346 | 3.52 | ci3031371 |
| 1992-06-29T03:22:11.370Z | 34.121 | -116.913 | 10.714 | 3.13 | ci3098251 |
| 1992-06-29T03:19:50.000Z | 34.5015 | -116.5508333 | -1.146 | 3 | ci3073540 |
| 1992-06-29T03:08:51.110Z | 34.271 | -116.906 | 7.974 | 3.52 | ci2057227 |
| 1992-06-29T03:05:01.040Z | 34.099 | -116.435 | 1.597 | 3.59 | ci3031365 |
| 1992-06-29T03:01:56.470Z | 34.223 | -116.4413333 | 7.288 | 4.49 | ci3031947 |
| 1992-06-29T03:00:00.360Z | 34.1931667 | -116.8171667 | -1.807 | 3.05 | ci2057225 |
| 1992-06-29T02:51:24.140Z | 34.231 | -116.442 | 3.828 | 3.6 | ci2057222 |
| 1992-06-29T02:39:20.190Z | 33.881 | -116.288 | 1.93 | 3.1 | ci2057217 |
| 1992-06-29T02:27:45.890Z | 34.0151667 | -116.348 | 1.748 | 3.5 | ci12179167 |
| 1992-06-29T02:27:30.180Z | 34.5071667 | -116.5161667 | -1.442 | 3.26 | ci2057216 |
| 1992-06-29T02:21:24.400Z | 34.474 | -116.511 | 4.472 | 3.11 | ci2057213 |
| 1992-06-29T02:19:36.640Z | 34.619 | -116.664 | 4.453 | 3.08 | ci2057212 |
| 1992-06-29T02:17:20.420Z | 34.176 | -116.829 | -1.157 | 3.27 | ci2057211 |
| 1992-06-29T02:11:36.080Z | 34.36 | -116.4626667 | 3.45 | 3.17 | ci2057208 |
| 1992-06-29T02:03:53.080Z | 34.227 | -116.773 | 0.183 | 3.18 | ci2057206 |
| 1992-06-29T01:58:08.670Z | 34.4771667 | -116.5501667 | -1.116 | 3.83 | ci3031344 |
| 1992-06-29T01:52:36.160Z | 34.162 | -116.423 | 9.067 | 3.25 | ci2057203 |
| 1992-06-29T01:51:13.010Z | 34.608 | -116.609 | 4.54 | 3.32 | ci2057202 |
| 1992-06-29T01:48:05.570Z | 33.987 | -116.361 | 1.478 | 3.12 | ci2057201 |
| 1992-06-29T01:23:46.660Z | 34.045 | -116.601 | 1.232 | 3.16 | ci3040279 |
| 1992-06-29T01:22:39.730Z | 34.175 | -116.418 | -0.353 | 3.21 | ci2057195 |
| 1992-06-29T01:20:19.000Z | 34.3191667 | -116.4586667 | 0.078 | 3 | ci3040310 |

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|---|---|---|---|---|---|
| 1992-06-29T01:17:18.350Z | 34.122 | -117.003 | 3.701 | 3.23 | ci3031332 |
| 1992-06-29T01:14:58.630Z | 34.2773333 | -116.4703333 | 4.711 | 3.5 | ci12179135 |
| 1992-06-29T01:14:47.310Z | 34.6093333 | -116.62 | -1.08 | 3.67 | ci2057192 |
| 1992-06-29T01:06:16.060Z | 34.5871667 | -116.624 | -1.057 | 3.29 | ci2057189 |
| 1992-06-29T01:02:18.630Z | 34.2828333 | -116.7558333 | -1.696 | 3.38 | ci3098243 |
| 1992-06-29T01:00:36.530Z | 34.314 | -116.474 | 3.941 | 3.15 | ci2057187 |
| 1992-06-29T00:55:06.580Z | 34.148 | -116.464 | 2.34 | 3.05 | ci3071809 |
| 1992-06-29T00:54:15.990Z | 34.352 | -116.479 | -1.496 | 3.29 | ci2057186 |
| 1992-06-29T00:48:09.770Z | 34.637 | -116.526 | 5.018 | 3.21 | ci2057185 |
| 1992-06-29T00:40:31.880Z | 34.519 | -116.5205 | 4.472 | 3.2 | ci12179111 |
| 1992-06-29T00:39:40.780Z | 34.101 | -116.377 | 1.92 | 4.03 | ci3068585 |
| 1992-06-29T00:37:09.870Z | 34.422 | -116.509 | -1.048 | 3.19 | ci3071418 |
| 1992-06-29T00:34:28.330Z | 34.5093333 | -116.5011667 | 5.068 | 3.14 | ci2057181 |
| 1992-06-29T00:26:14.010Z | 34.223 | -116.766 | 4.153 | 3.1 | ci3086147 |
| 1992-06-29T00:25:24.770Z | 34.137 | -116.406 | 0.553 | 3.16 | ci3086145 |
| 1992-06-29T00:24:33.710Z | 34.54 | -116.552 | 4.387 | 3.34 | ci3031315 |
| 1992-06-29T00:13:35.090Z | 34.266 | -116.715 | 4.759 | 3.2 | ci3031313 |
| 1992-06-28T23:52:10.810Z | 34.516 | -116.531 | 4.546 | 3.15 | ci3031307 |
| 1992-06-28T23:50:45.470Z | 34.16 | -116.398 | 0.593 | 3.19 | ci3031306 |
| 1992-06-28T23:43:03.320Z | 34.624 | -116.649 | 4.797 | 3.14 | ci3073358 |
| 1992-06-28T23:33:48.630Z | 34.175 | -116.415 | -0.898 | 3.21 | ci3031926 |
| 1992-06-28T23:33:28.620Z | 34.167 | -116.414 | 0.033 | 3.57 | ci3031302 |
| 1992-06-28T23:29:24.820Z | 34.2186667 | -116.8593333 | 0.23 | 3.01 | ci3031299 |
| 1992-06-28T23:24:51.320Z | 34.1971667 | -116.434 | -0.836 | 3.4 | ci3074189 |
| 1992-06-28T23:23:21.220Z | 34.1191667 | -116.3955 | 0.923 | 3.55 | ci3031298 |
| 1992-06-28T23:16:43.420Z | 34.272 | -116.699 | 2.007 | 3.25 | ci3031296 |
| 1992-06-28T23:13:32.700Z | 34.2078333 | -116.7866667 | -1.613 | 3.23 | ci3031295 |
| 1992-06-28T23:02:48.470Z | 34.3088333 | -116.6605 | -1.014 | 3.4 | ci3031293 |
| 1992-06-28T22:58:52.340Z | 34.4328333 | -116.524 | 2.184 | 3.65 | ci3031290 |
| 1992-06-28T22:56:23.650Z | 34.104 | -116.734 | 7.657 | 3.51 | ci3031288 |
| 1992-06-28T22:51:55.490Z | 34.0956667 | -116.3886667 | -0.387 | 3.09 | ci3031287 |
| 1992-06-28T22:50:49.940Z | 34.2215 | -116.8808333 | -1.313 | 3.23 | ci3031286 |
| 1992-06-28T22:48:30.730Z | 34.032 | -117.1495 | 13.79 | 3 | ci12179019 |
| 1992-06-28T22:48:22.850Z | 34.1381667 | -116.4545 | 12.15 | 4.18 | ci3031284 |
| 1992-06-28T22:41:31.820Z | 34.085 | -116.402 | 4.633 | 3.51 | ci3031283 |
| 1992-06-28T22:39:51.400Z | 34.5496667 | -116.5573333 | 5.025 | 3.1 | ci3031281 |
| 1992-06-28T22:23:46.400Z | 34.482 | -116.493 | 4.504 | 3.18 | ci3031274 |
| 1992-06-28T22:21:39.120Z | 34.179 | -116.813 | 1.822 | 3.67 | ci3031273 |
| 1992-06-28T22:20:08.800Z | 34.177 | -116.827 | 1.732 | 3 | ci3066217 |
| 1992-06-28T22:17:58.110Z | 34.117 | -116.415 | 1.669 | 3.64 | ci3031866 |
| 1992-06-28T22:17:16.630Z | 34.16 | -116.834 | 7.61 | 3.26 | ci3031272 |
| 1992-06-28T22:15:46.080Z | 34.036 | -116.353 | 1.819 | 3 | ci3031531 |
| 1992-06-28T22:15:02.840Z | 34.068 | -116.364 | 2.75 | 3 | ci3031528 |

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| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1992-06-28T22:13:12.090Z | 34.0453333 | -116.353 | 9.36 | 4.01 | ci2057138 |
| 1992-06-28T22:07:50.020Z | 34.618 | -116.674 | 4.674 | 3.54 | ci2057137 |
| 1992-06-28T22:03:23.500Z | 34.2361667 | -116.7888333 | 3.253 | 3.57 | ci2057136 |
| 1992-06-28T21:56:46.060Z | 34.2018333 | -116.7745 | -0.847 | 3.44 | ci2057135 |
| 1992-06-28T21:55:39.370Z | 34.1325 | -116.867 | 8.061 | 3.68 | ci3031266 |
| 1992-06-28T21:54:02.830Z | 34.621 | -116.612 | 4.54 | 3.27 | ci2057134 |
| 1992-06-28T21:51:28.580Z | 34.3445 | -116.4706667 | -0.127 | 3 | ci3031468 |
| 1992-06-28T21:51:03.330Z | 34.6496667 | -116.5978333 | -0.725 | 3 | ci12178987 |
| 1992-06-28T21:49:51.270Z | 34.02 | -116.352 | 2.448 | 3.33 | ci2057133 |
| 1992-06-28T21:46:43.540Z | 34.1278333 | -116.8691667 | 8.759 | 3.36 | ci2057132 |
| 1992-06-28T21:45:13.260Z | 34.613 | -116.652 | 4.797 | 3.24 | ci3031260 |
| 1992-06-28T21:44:33.070Z | 34.022 | -116.35 | 1.291 | 3.07 | ci3031258 |
| 1992-06-28T21:40:18.700Z | 34.124 | -116.736 | 9.695 | 3.39 | ci3031256 |
| 1992-06-28T21:38:51.160Z | 34.4141667 | -116.4776667 | 2.007 | 3.28 | ci3031255 |
| 1992-06-28T21:30:50.970Z | 34.6361667 | -116.6305 | 4.51 | 3 | ci12178967 |
| 1992-06-28T21:27:07.860Z | 34.101 | -116.8953333 | 2.057 | 3.17 | ci3031252 |
| 1992-06-28T21:24:39.820Z | 34.1256667 | -116.4101667 | 2.513 | 3.21 | ci3099952 |
| 1992-06-28T21:24:01.140Z | 34.106 | -116.422 | 2.493 | 3.02 | ci3099951 |
| 1992-06-28T21:23:17.040Z | 34.235 | -116.751 | 8.807 | 3.47 | ci3031251 |
| 1992-06-28T21:22:08.900Z | 34.1636667 | -116.433 | 2.843 | 3.32 | ci3031249 |
| 1992-06-28T21:19:00.910Z | 34.223 | -116.7556667 | -0.597 | 3.23 | ci3031247 |
| 1992-06-28T21:16:44.550Z | 34.6478333 | -116.705 | -0.786 | 3.53 | ci3031246 |
| 1992-06-28T21:13:16.470Z | 34.095 | -116.427 | 2.983 | 4.67 | ci3031245 |
| 1992-06-28T21:09:14.770Z | 34.248 | -116.746 | 8.099 | 3.24 | ci3031242 |
| 1992-06-28T20:58:13.590Z | 34.5963333 | -116.6505 | 0.017 | 3.58 | ci3031238 |
| 1992-06-28T20:54:49.700Z | 34.1941667 | -116.819 | -1.413 | 3.3 | ci3031236 |
| 1992-06-28T20:51:32.040Z | 34.1968333 | -116.7821667 | 8.427 | 4.12 | ci3031235 |
| 1992-06-28T20:46:49.040Z | 34.0266667 | -116.3765 | 1.211 | 3.46 | ci3031902 |
| 1992-06-28T20:37:47.170Z | 34.4598333 | -116.5178333 | -0.403 | 3.1 | ci3031230 |
| 1992-06-28T20:23:18.400Z | 34.1253333 | -116.4246667 | 1.343 | 3.6 | ci3031228 |
| 1992-06-28T20:19:07.830Z | 34.639 | -116.677 | 4.797 | 3.01 | ci3096759 |
| 1992-06-28T20:14:37.060Z | 34.1885 | -116.8103333 | 1.192 | 3.02 | ci3096753 |
| 1992-06-28T20:13:19.330Z | 34.0476667 | -116.3608333 | 2.111 | 3.2 | ci3096750 |
| 1992-06-28T20:12:40.600Z | 34.0976667 | -116.3823333 | 0.683 | 3.07 | ci3096749 |
| 1992-06-28T20:11:09.920Z | 34.0196667 | -116.358 | 1.416 | 3.2 | ci3065017 |
| 1992-06-28T20:10:03.730Z | 34.156 | -116.4491667 | 0.411 | 3.24 | ci3031224 |
| 1992-06-28T20:05:31.190Z | 34.629 | -116.6625 | 9.106 | 3.22 | ci3066225 |
| 1992-06-28T20:04:25.310Z | 33.8615 | -116.3063333 | 1.47 | 3.63 | ci3031222 |
| 1992-06-28T20:01:17.340Z | 34.2648333 | -116.4583333 | 0.405 | 3.38 | ci3031220 |
| 1992-06-28T19:58:51.330Z | 34.23 | -116.852 | 1.01 | 3.03 | ci3031219 |
| 1992-06-28T19:55:02.730Z | 34.062 | -116.404 | 1.876 | 3.24 | ci3031217 |
| 1992-06-28T19:53:28.890Z | 34.2458333 | -116.4576667 | 4.034 | 3.07 | ci3031216 |
| 1992-06-28T19:46:53.920Z | 34.243 | -116.436 | 2.463 | 3.47 | ci3031214 |

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|---|---|---|---|---|---|
| 1992-06-28T19:42:27.440Z | 34.6163333 | -116.652 | -0.966 | 3.5 | ci12178843 |
| 1992-06-28T19:42:14.460Z | 34.188 | -116.44 | 1.114 | 3.7 | ci3031212 |
| 1992-06-28T19:36:36.170Z | 34.517 | -116.5341667 | 4.504 | 3.53 | ci3031828 |
| 1992-06-28T19:35:41.720Z | 34.6008333 | -116.5961667 | -0.765 | 3 | ci12178851 |
| 1992-06-28T19:30:24.120Z | 34.2535 | -116.7485 | -1.613 | 3.6 | ci3031209 |
| 1992-06-28T19:26:37.570Z | 34.183 | -116.802 | -0.578 | 4.17 | ci3031208 |
| 1992-06-28T19:19:09.490Z | 34.296 | -116.844 | 0.197 | 3.73 | ci3031207 |
| 1992-06-28T19:13:06.900Z | 34.091 | -116.393 | 2.371 | 3.65 | ci3032411 |
| 1992-06-28T19:11:17.250Z | 34.153 | -116.46 | 3.487 | 3.8 | ci3031205 |
| 1992-06-28T19:00:26.300Z | 34.2546667 | -116.7468333 | -1.276 | 3.8 | ci3031201 |
| 1992-06-28T18:59:24.360Z | 34.61 | -116.689 | 4.553 | 3.05 | ci3099100 |
| 1992-06-28T18:58:47.020Z | 34.1776667 | -116.8171667 | 3.36 | 3.27 | ci3031200 |
| 1992-06-28T18:57:55.190Z | 34.29 | -116.452 | 6.188 | 3 | ci3031199 |
| 1992-06-28T18:56:13.570Z | 34.3511667 | -116.4878333 | 9.647 | 3 | ci12178771 |
| 1992-06-28T18:55:02.350Z | 34.2256667 | -116.8733333 | 0.437 | 3.55 | ci3031198 |
| 1992-06-28T18:53:18.860Z | 34.1965 | -116.7988333 | 5.527 | 3.53 | ci3031197 |
| 1992-06-28T18:48:26.540Z | 34.1925 | -116.7923333 | 1.157 | 3.05 | ci3031196 |
| 1992-06-28T18:43:57.300Z | 34.0538333 | -116.3716667 | 1.176 | 3.44 | ci3031195 |
| 1992-06-28T18:40:38.110Z | 34.043 | -116.364 | 2.633 | 3.17 | ci3031194 |
| 1992-06-28T18:27:33.780Z | 34.5686667 | -116.5886667 | 1.538 | 3.35 | ci3042334 |
| 1992-06-28T18:26:33.350Z | 34.256 | -116.438 | 2.888 | 3.54 | ci3042326 |
| 1992-06-28T18:26:01.360Z | 34.3303333 | -116.7098333 | 9.641 | 3 | ci12178747 |
| 1992-06-28T18:25:39.780Z | 34.2216667 | -116.774 | 5.345 | 3.3 | ci12178743 |
| 1992-06-28T18:25:30.400Z | 34.2088333 | -116.818 | 4.224 | 3.56 | ci3031191 |
| 1992-06-28T18:23:56.940Z | 34.163 | -116.854 | 2.602 | 3.36 | ci3031189 |
| 1992-06-28T18:22:51.410Z | 34.072 | -116.37 | 3.243 | 3.17 | ci3031188 |
| 1992-06-28T18:18:20.470Z | 34.025 | -116.347 | 1.81 | 3.82 | ci3031187 |
| 1992-06-28T18:13:27.660Z | 33.9788333 | -116.3803333 | 5.085 | 3 | ci3031185 |
| 1992-06-28T18:01:52.840Z | 34.2478333 | -116.9011667 | 6.037 | 3.38 | ci3031182 |
| 1992-06-28T18:00:29.440Z | 34.2386667 | -116.9061667 | 0.424 | 3.82 | ci3031180 |
| 1992-06-28T17:54:49.780Z | 34.257 | -116.887 | 4.812 | 3.28 | ci3031178 |
| 1992-06-28T17:53:10.840Z | 34.207 | -116.827 | 2.452 | 3 | ci3042312 |
| 1992-06-28T17:52:38.940Z | 34.181 | -116.794 | 3.362 | 3.52 | ci3042302 |
| 1992-06-28T17:48:32.370Z | 34.218 | -116.751 | -0.393 | 4.46 | ci3031176 |
| 1992-06-28T17:45:34.540Z | 34.133 | -116.86 | -0.006 | 3.63 | ci3031360 |
| 1992-06-28T17:44:30.150Z | 34.16 | -116.852 | 3.737 | 3.99 | ci3031173 |
| 1992-06-28T17:42:32.400Z | 34.238 | -116.902 | 5.103 | 3.94 | ci3031172 |
| 1992-06-28T17:41:23.330Z | 34.336 | -116.4626667 | 4.791 | 3.5 | ci12178691 |
| 1992-06-28T17:39:52.040Z | 34.3601667 | -116.4716667 | 5.085 | 4.04 | ci3031171 |
| 1992-06-28T17:39:43.050Z | 34.431 | -116.5176667 | 4.791 | 3.5 | ci3099073 |
| 1992-06-28T17:32:30.240Z | 34.1963333 | -116.8188333 | -0.033 | 3.98 | ci3032263 |
| 1992-06-28T17:31:21.510Z | 34.2893333 | -116.4435 | 7.734 | 4.14 | ci3031170 |
| 1992-06-28T17:25:42.180Z | 34.237 | -116.75 | 2.302 | 3.58 | ci3031169 |

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|---|---|---|---|---|---|
| 1992-06-28T17:21:27.310Z | 34.225 | -116.862 | -0.05 | 4.16 | ci3031168 |
| 1992-06-28T17:19:22.050Z | 34.0206667 | -116.3621667 | 1.057 | 3.5 | ci3031297 |
| 1992-06-28T17:18:42.160Z | 34.2486667 | -116.7823333 | -0.947 | 3.5 | ci3031289 |
| 1992-06-28T17:18:30.010Z | 34.1833333 | -116.8083333 | 5.737 | 4.19 | ci3031166 |
| 1992-06-28T17:14:38.670Z | 34.3491667 | -116.6173333 | 5.281 | 3.68 | ci3096743 |
| 1992-06-28T17:14:25.760Z | 34.318 | -116.861 | 5.059 | 3 | ci3031162 |
| 1992-06-28T17:10:41.940Z | 34.2408333 | -116.9021667 | 7.014 | 3.34 | ci3031158 |
| 1992-06-28T17:05:57.560Z | 34.255 | -116.912 | 6.553 | 5.26 | ci3031157 |
| 1992-06-28T17:04:14.220Z | 34.0111667 | -116.3586667 | 1.867 | 3.52 | ci3031291 |
| 1992-06-28T17:04:00.300Z | 34.2075 | -116.7786667 | 11.776 | 3 | ci12178655 |
| 1992-06-28T17:01:32.010Z | 34.1788333 | -116.9246667 | 9.226 | 4.98 | ci3031154 |
| 1992-06-28T16:53:40.580Z | 34.3221667 | -116.4596667 | 5.067 | 3 | ci3098918 |
| 1992-06-28T16:52:28.670Z | 34.056 | -116.371 | 3.28 | 3.65 | ci3031151 |
| 1992-06-28T16:49:10.730Z | 34.246 | -116.878 | 2.32 | 3.43 | ci3031149 |
| 1992-06-28T16:45:14.990Z | 34.1461667 | -116.4341667 | 0.903 | 3 | ci3045459 |
| 1992-06-28T16:40:41.660Z | 34.162 | -116.8128333 | 6.049 | 3.62 | ci3031147 |
| 1992-06-28T16:35:08.110Z | 34.0785 | -116.3995 | 2.92 | 3.5 | ci12178635 |
| 1992-06-28T16:34:40.600Z | 34.138 | -116.4415 | 5.606 | 3.3 | ci12178631 |
| 1992-06-28T16:33:59.070Z | 34.268 | -116.708 | 3.947 | 3.2 | ci12178627 |
| 1992-06-28T16:33:08.870Z | 34.59 | -116.64 | 4.663 | 4.12 | ci3031747 |
| 1992-06-28T16:32:10.630Z | 34.595 | -116.622 | 4.779 | 4.34 | ci3031146 |
| 1992-06-28T16:27:11.910Z | 34.0225 | -116.3806667 | 2.783 | 3 | ci3031145 |
| 1992-06-28T16:17:19.340Z | 34.208 | -116.756 | 5.195 | 4.24 | ci3031142 |
| 1992-06-28T16:16:00.110Z | 34.1351667 | -116.4111667 | 5.25 | 3 | ci12178607 |
| 1992-06-28T16:15:28.560Z | 34.1476667 | -116.8556667 | 2.434 | 3.2 | ci3045463 |
| 1992-06-28T16:10:26.080Z | 34.1768333 | -116.8356667 | 1.047 | 4.2 | ci12178595 |
| 1992-06-28T16:09:53.820Z | 34.047 | -116.3705 | 0.07 | 4.21 | ci3031690 |
| 1992-06-28T16:08:37.580Z | 34.219 | -116.754 | 3.816 | 4.18 | ci3031141 |
| 1992-06-28T16:01:15.210Z | 34.0345 | -116.3755 | 1.768 | 4.33 | ci3031140 |
| 1992-06-28T15:57:01.590Z | 34.066 | -116.392 | 2.263 | 3.16 | ci3045886 |
| 1992-06-28T15:56:11.690Z | 34.218 | -116.751 | -0.517 | 4.01 | ci3045876 |
| 1992-06-28T15:55:22.350Z | 34.0263333 | -116.359 | 3.488 | 3.1 | ci3045469 |
| 1992-06-28T15:53:14.130Z | 34.2166667 | -116.733 | -0.869 | 4.15 | ci3031137 |
| 1992-06-28T15:48:14.310Z | 34.15 | -116.848 | 5.138 | 3.16 | ci3031135 |
| 1992-06-28T15:46:56.730Z | 34.147 | -116.8365 | 9.14 | 3.73 | ci3066230 |
| 1992-06-28T15:46:48.920Z | 34.1643333 | -116.818 | 5.328 | 3 | ci12178575 |
| 1992-06-28T15:45:54.900Z | 34.0655 | -116.401 | -0.403 | 4.18 | ci3045923 |
| 1992-06-28T15:26:54.430Z | 34.2115 | -116.763 | 5.266 | 3.5 | ci12178571 |
| 1992-06-28T15:25:20.300Z | 34.2015 | -116.7978333 | 4.652 | 4.27 | ci3031248 |
| 1992-06-28T15:24:29.430Z | 34.2011667 | -116.751 | 5.266 | 4.76 | ci3031134 |
| 1992-06-28T15:20:16.900Z | 34.0545 | -116.4015 | 3.376 | 4 | ci12178567 |
| 1992-06-28T15:18:33.190Z | 34.2025 | -116.7583333 | 7.761 | 4.58 | ci3031129 |
| 1992-06-28T15:17:14.010Z | 34.1111667 | -116.8751667 | 3.64 | 4.66 | ci3037203 |

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|---|---|---|---|---|---|
| 1992-06-28T15:17:10.390Z | 34.1698333 | -116.86 | 3.419 | 4 | ci12178563 |
| 1992-06-28T15:15:33.730Z | 34.1608333 | -116.8525 | 4.914 | 3 | ci3031128 |
| 1992-06-28T15:11:38.000Z | 34.1693333 | -116.8388333 | 6.094 | 3 | ci12178551 |
| 1992-06-28T15:10:25.930Z | 34.1925 | -116.7663333 | 5.911 | 3 | ci12178543 |
| 1992-06-28T15:08:03.960Z | 34.231 | -116.7893333 | 13.095 | 3 | ci12178531 |
| 1992-06-28T15:05:30.730Z | 34.203 | -116.827 | 3.634 | 6.3 | ci3031425 |
| 1992-06-28T15:04:51.500Z | 34.1595 | -116.8246667 | 11.363 | 4.54 | ci2057011 |
| 1992-06-28T14:59:14.160Z | 34.19 | -116.864 | 11.363 | 3.37 | ci2057009 |
| 1992-06-28T14:43:21.850Z | 34.162 | -116.852 | 9.615 | 5.53 | ci2057008 |
| 1992-06-28T14:43:10.160Z | 34.1581667 | -116.4178333 | 9.298 | 3 | ci12178523 |
| 1992-06-28T14:40:50.000Z | 34.6178333 | -116.64 | 4.556 | 3 | ci12178519 |
| 1992-06-28T14:39:06.910Z | 34.089 | -116.425 | -0.867 | 4.35 | ci2057007 |
| 1992-06-28T14:35:34.030Z | 34.2485 | -116.4313333 | 5.177 | 3.32 | ci3031122 |
| 1992-06-28T14:32:30.990Z | 34.5938333 | -116.6435 | 4.522 | 3.4 | ci3071986 |
| 1992-06-28T14:32:09.460Z | 34.6115 | -116.4993333 | 5.225 | 3.54 | ci3031121 |
| 1992-06-28T14:30:27.820Z | 34.4193333 | -116.481 | 5.834 | 3 | ci12178511 |
| 1992-06-28T14:29:02.390Z | 34.61 | -116.642 | 4.625 | 4.03 | ci2057004 |
| 1992-06-28T14:10:26.520Z | 34.365 | -116.463 | -1.144 | 3.01 | ci3031203 |
| 1992-06-28T14:09:28.820Z | 34.111 | -116.646 | 4.703 | 4.14 | ci2057003 |
| 1992-06-28T13:52:45.700Z | 34.122 | -116.4435 | 5.076 | 3.5 | ci12178495 |
| 1992-06-28T13:51:43.270Z | 34.1396667 | -116.471 | 5.043 | 4 | ci12178491 |
| 1992-06-28T13:50:46.160Z | 34.109 | -116.403 | 4.664 | 4.95 | ci3031243 |
| 1992-06-28T13:50:16.340Z | 34.084 | -116.3566667 | 5.422 | 4.22 | ci2056998 |
| 1992-06-28T13:46:51.920Z | 34.5176667 | -116.5875 | 5.132 | 3 | ci3031112 |
| 1992-06-28T13:40:55.840Z | 34.1778333 | -116.4513333 | 4.794 | 4.17 | ci2056995 |
| 1992-06-28T13:36:00.360Z | 34.419 | -116.476 | 3.726 | 3 | ci3031107 |
| 1992-06-28T13:35:38.280Z | 33.971 | -116.512 | 3.726 | 3 | ci3031106 |
| 1992-06-28T13:26:05.200Z | 34.16 | -116.407 | 4.778 | 4.88 | ci2056989 |
| 1992-06-28T13:23:45.100Z | 34.218 | -116.447 | 0.12 | 3.68 | ci3054996 |
| 1992-06-28T13:23:10.110Z | 34.112 | -116.425 | 1.838 | 3.36 | ci3055050 |
| 1992-06-28T13:19:24.530Z | 34.115 | -116.418 | 1.508 | 3.22 | ci3055586 |
| 1992-06-28T13:18:15.940Z | 34.093 | -116.391 | -0.739 | 4.5 | ci3055321 |
| 1992-06-28T13:17:48.040Z | 34.1371667 | -116.4148333 | 7.12 | 4.11 | ci3031104 |
| 1992-06-28T13:13:37.440Z | 34.3178333 | -116.412 | 3.804 | 3.8 | ci12178483 |
| 1992-06-28T13:10:50.210Z | 34.4183333 | -116.4406667 | 4.652 | 4.87 | ci2056985 |
| 1992-06-28T13:08:15.830Z | 34.3223333 | -116.4766667 | 0.6 | 3.5 | ci12178479 |
| 1992-06-28T13:06:48.750Z | 33.8728333 | -116.3363333 | 9.05 | 4.3 | ci12178475 |
| 1992-06-28T13:06:40.840Z | 34.3605 | -116.4825 | 5.534 | 4 | ci3031101 |
| 1992-06-28T12:57:30.750Z | 34.237 | -116.811 | 10 | 3.3 | usp00059st |
| 1992-06-28T12:56:09.810Z | 34.4758333 | -116.5198333 | 4.622 | 4.29 | ci2056982 |
| 1992-06-28T12:43:58.990Z | 34.113 | -116.427 | 2.54 | 4.44 | ci3031099 |
| 1992-06-28T12:40:53.570Z | 34.3411667 | -116.5106667 | 4.388 | 5.41 | ci2056980 |
| 1992-06-28T12:36:40.770Z | 34.115 | -116.4263333 | 7.502 | 5.49 | ci2056979 |

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|---|---|---|---|---|---|
| 1992-06-28T12:27:38.780Z | 34.478 | -116.6395 | 5.149 | 4.2 | ci3031160 |
| 1992-06-28T12:20:45.280Z | 34.592 | -116.6658333 | -1.329 | 4 | ci12178467 |
| 1992-06-28T12:18:51.190Z | 34.17 | -116.79 | -1.306 | 3 | ci3102532 |
| 1992-06-28T12:17:49.450Z | 34.5038333 | -116.64 | 1.619 | 3.5 | ci2056973 |
| 1992-06-28T12:02:58.610Z | 34.1511667 | -116.3546667 | 4.856 | 4.5 | ci12178459 |
| 1992-06-28T12:02:31.080Z | 34.1031667 | -116.4246667 | 5.586 | 5 | ci12178455 |
| 1992-06-28T12:02:16.960Z | 34.0605 | -116.4726667 | 5.378 | 5 | ci12178451 |
| 1992-06-28T12:01:16.190Z | 34.12 | -116.323 | 5.706 | 5.7 | ci3043630 |
| 1992-06-28T12:00:45.000Z | 34.131 | -116.408 | -1.1 | 5.77 | ci3043549 |
| 1992-06-28T11:57:34.130Z | 34.2 | -116.437 | -0.097 | 7.3 | ci3031111 |
| 1992-06-28T09:42:43.760Z | 34.192 | -116.439 | -1.067 | 3.09 | ci3031131 |
| 1992-06-28T09:42:30.640Z | 34.1906667 | -116.4416667 | -1.067 | 3.07 | ci2056955 |
| 1992-06-28T05:54:41.070Z | 34.2 | -116.437 | -0.847 | 3.6 | ci2056932 |
| 1992-06-26T14:16:31.060Z | 34.039 | -116.316 | 7.265 | 3.34 | ci2056787 |
| 1992-06-24T08:04:44.590Z | 34.412 | -116.808 | -0.545 | 3.58 | ci2056607 |
| 1992-06-22T17:17:25.690Z | 33.994 | -116.316 | 8.858 | 3.14 | ci2056454 |
| 1992-06-19T20:42:22.360Z | 34 | -116.317 | 4.258 | 3.51 | ci2056217 |
| 1992-06-18T08:06:13.040Z | 34.052 | -116.329 | -0.325 | 3.01 | ci2056062 |
| 1992-06-14T15:50:47.110Z | 34.024 | -116.353 | 1.228 | 3.17 | ci2055624 |
| 1992-06-12T23:24:48.250Z | 33.203 | -116.271 | 8.667 | 3.48 | ci2055511 |
| 1992-06-11T02:41:00.940Z | 34.178 | -116.352 | -0.333 | 3.32 | ci2055360 |
| 1992-06-11T00:24:19.180Z | 34.174 | -116.35 | -0.283 | 4.34 | ci2055346 |
| 1992-06-04T17:09:28.170Z | 33.953 | -116.311 | 4.328 | 3.22 | ci2054645 |
| 1992-06-04T05:22:22.280Z | 33.983 | -116.262 | 4.298 | 3.01 | ci2054570 |
| 1992-06-03T08:54:40.870Z | 34.003 | -116.325 | 2.748 | 3.1 | ci2054500 |
| 1992-05-31T11:38:45.300Z | 34.581 | -116.836 | 1.105 | 3.62 | ci2054196 |
| 1992-05-31T10:53:16.730Z | 34.582 | -116.837 | 0.275 | 3.14 | ci2054193 |
| 1992-05-28T21:52:30.210Z | 33.958 | -116.339 | 4.988 | 3.53 | ci2053960 |
| 1992-05-23T18:22:52.870Z | 33.973 | -116.353 | 3.403 | 3.04 | ci2053372 |
| 1992-05-19T12:19:32.830Z | 33.439 | -116.575 | 8.68 | 3.12 | ci2052860 |
| 1992-05-19T12:15:27.640Z | 33.945 | -116.342 | 4.361 | 3.2 | ci2052858 |
| 1992-05-18T23:50:20.210Z | 33.961 | -116.34 | 4.786 | 3.33 | ci2052792 |
| 1992-05-18T20:39:41.440Z | 34.041 | -116.292 | -0.233 | 3.02 | ci2052769 |
| 1992-05-18T20:36:56.690Z | 33.948 | -116.338 | 4.231 | 3.05 | ci2052768 |
| 1992-05-18T15:45:04.930Z | 33.9545 | -116.3396667 | 4.429 | 3.9 | ci12178375 |
| 1992-05-18T15:44:17.970Z | 33.951 | -116.337 | 6.131 | 4.96 | ci2052730 |
| 1992-05-18T00:22:34.220Z | 33.95 | -116.36 | 7.211 | 3.64 | ci2052663 |
| 1992-05-17T06:21:31.500Z | 33.96 | -116.316 | 8.796 | 3.34 | ci2052572 |
| 1992-05-15T09:24:03.900Z | 33.988 | -116.284 | 2.412 | 3.03 | ci2052340 |
| 1992-05-15T01:36:50.360Z | 33.951 | -116.317 | 7.566 | 3.26 | ci2052311 |
| 1992-05-14T11:22:19.210Z | 33.986 | -116.29 | 0.88 | 3.01 | ci2052209 |
| 1992-05-14T06:58:17.840Z | 34.004 | -116.324 | 5.225 | 3.02 | ci2052191 |
| 1992-05-12T08:41:44.650Z | 33.979 | -116.262 | 4.194 | 3.13 | ci2051911 |

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|---|---|---|---|---|---|
| 1992-05-12T02:59:21.840Z | 33.979 | -116.258 | 3.716 | 3.36 | ci2051868 |
| 1992-05-12T02:32:52.540Z | 33.985 | -116.258 | 3.802 | 3.9 | ci3024923 |
| 1992-05-12T02:31:27.940Z | 33.979 | -116.259 | -1.051 | 4.44 | ci3024922 |
| 1992-05-12T02:31:11.010Z | 33.981 | -116.26 | 5.845 | 4.38 | ci2051863 |
| 1992-05-10T17:51:05.280Z | 33.93 | -116.315 | 4.229 | 3.02 | ci2051659 |
| 1992-05-10T02:26:26.550Z | 33.978 | -116.259 | 3.826 | 3.14 | ci2051558 |
| 1992-05-09T19:32:47.320Z | 33.979 | -116.262 | 3.836 | 3.13 | ci2051520 |
| 1992-05-08T15:10:59.060Z | 34.043 | -116.329 | 0.575 | 3.03 | ci2051341 |
| 1992-05-07T12:24:30.200Z | 33.969 | -116.354 | 0.643 | 3.35 | ci2051165 |
| 1992-05-07T02:34:54.120Z | 34.028 | -116.309 | -0.658 | 3.42 | ci2051110 |
| 1992-05-06T17:41:19.220Z | 33.947 | -116.315 | 4.426 | 3.58 | ci2051032 |
| 1992-05-06T16:31:43.370Z | 33.933 | -116.316 | 4.366 | 3.23 | ci2051024 |
| 1992-05-06T05:10:43.910Z | 33.94 | -116.315 | 5.716 | 3.51 | ci2050956 |
| 1992-05-06T03:20:08.960Z | 33.951 | -116.32 | 3.356 | 3.1 | ci2050942 |
| 1992-05-06T02:38:43.350Z | 33.943 | -116.314 | 6.206 | 4.83 | ci2050937 |
| 1992-05-06T01:40:21.380Z | 34.032 | -116.314 | 2.185 | 3.25 | ci2050929 |
| 1992-05-05T01:06:44.770Z | 34.01 | -116.319 | 0.315 | 3.1 | ci2050725 |
| 1992-05-05T00:55:30.170Z | 34.002 | -116.336 | 0.435 | 3.31 | ci2050724 |
| 1992-05-04T16:47:22.090Z | 33.937 | -116.308 | 8.496 | 3.03 | ci2050653 |
| 1992-05-04T16:19:49.720Z | 33.941 | -116.304 | 11.766 | 4.98 | ci2050647 |
| 1992-05-04T07:24:14.090Z | 34.062 | -116.319 | -1.123 | 3.18 | ci2050583 |
| 1992-05-04T01:16:13.940Z | 33.9361667 | -116.3395 | 7.506 | 3 | ci12178271 |
| 1992-05-04T01:16:02.560Z | 33.939 | -116.341 | 5.156 | 4.19 | ci2050538 |
| 1992-05-03T00:37:09.880Z | 33.94 | -116.303 | 0.021 | 3.31 | ci2050343 |
| 1992-05-02T19:10:23.740Z | 33.991 | -116.286 | 2.721 | 3.6 | ci2050291 |
| 1992-05-02T13:41:59.370Z | 33.995 | -116.28 | 4.011 | 3.23 | ci2050248 |
| 1992-05-02T13:29:54.500Z | 33.995 | -116.283 | 2.601 | 3.1 | ci2050247 |
| 1992-05-02T12:46:53.290Z | 33.9943333 | -116.277 | 6.904 | 4.1 | ci12178263 |
| 1992-05-02T12:46:41.420Z | 33.989 | -116.287 | 3.031 | 4.18 | ci2050243 |
| 1992-05-02T07:04:32.810Z | 33.998 | -116.093 | -0.285 | 3.01 | ci2050194 |
| 1992-05-01T13:38:42.040Z | 33.938 | -116.315 | 4.208 | 3.97 | ci2050038 |
| 1992-05-01T08:19:08.280Z | 33.979 | -116.315 | 0.626 | 3 | ci2050002 |
| 1992-05-01T06:03:27.420Z | 34.035 | -116.321 | 4.603 | 3.41 | ci2049987 |
| 1992-04-30T22:43:04.420Z | 34.034 | -116.318 | -0.262 | 3.02 | ci2049922 |
| 1992-04-30T20:36:32.540Z | 33.958 | -116.295 | -0.657 | 3.1 | ci2049899 |
| 1992-04-30T13:32:44.120Z | 33.946 | -116.316 | 4.208 | 3.15 | ci2049830 |
| 1992-04-30T01:50:43.460Z | 34.021 | -116.093 | -0.139 | 3.96 | ci2049720 |
| 1992-04-29T18:32:40.560Z | 33.985 | -116.263 | 2.504 | 3.07 | ci2049642 |
| 1992-04-29T13:10:46.180Z | 33.944 | -116.303 | 0.353 | 3.05 | ci2049586 |
| 1992-04-29T03:13:52.920Z | 33.979 | -116.272 | 0.665 | 3 | ci3118562 |
| 1992-04-28T19:36:14.000Z | 33.977 | -116.271 | -0.75 | 3.62 | ci2049391 |
| 1992-04-28T15:25:16.430Z | 33.96 | -116.325 | 3.523 | 3.52 | ci2049333 |
| 1992-04-28T14:32:46.360Z | 33.948 | -116.298 | -0.763 | 3.1 | ci2049322 |

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|---|---|---|---|---|---|
| 1992-04-28T14:27:00.280Z | 33.949 | -116.297 | -0.437 | 3.88 | ci2049321 |
| 1992-04-28T11:33:26.630Z | 33.938 | -116.298 | -0.877 | 4.09 | ci3020731 |
| 1992-04-28T11:32:14.360Z | 34.034 | -116.298 | -0.144 | 3.17 | ci2049292 |
| 1992-04-28T11:13:20.080Z | 33.94 | -116.301 | 0.043 | 3.97 | ci2049288 |
| 1992-04-28T10:33:52.920Z | 33.996 | -116.336 | 2.809 | 3.08 | ci2049280 |
| 1992-04-28T07:32:44.450Z | 33.939 | -116.309 | 0.193 | 3.13 | ci2049255 |
| 1992-04-27T18:19:26.900Z | 33.971 | -116.279 | 2.062 | 3.01 | ci2049109 |
| 1992-04-27T13:28:40.690Z | 33.933 | -116.316 | -0.79 | 3.79 | ci3019986 |
| 1992-04-27T13:28:19.160Z | 33.936 | -116.307 | 0.195 | 3.5 | ci2049052 |
| 1992-04-27T13:21:10.400Z | 33.944 | -116.341 | 2.605 | 3.06 | ci2049051 |
| 1992-04-27T08:29:07.800Z | 33.943 | -116.292 | -0.621 | 3.28 | ci2048998 |
| 1992-04-27T08:13:35.570Z | 34.073 | -116.326 | -0.712 | 3.29 | ci3019752 |
| 1992-04-27T03:52:12.310Z | 33.967 | -116.322 | 6.812 | 3.43 | ci2048947 |
| 1992-04-27T03:49:26.990Z | 33.922 | -116.302 | -0.858 | 3.76 | ci3019556 |
| 1992-04-27T03:12:35.490Z | 33.942 | -116.302 | 1.822 | 3 | ci3019003 |
| 1992-04-27T03:11:19.290Z | 33.933 | -116.302 | -0.858 | 4.35 | ci2048937 |
| 1992-04-26T20:06:10.090Z | 33.973 | -116.273 | 2.381 | 3.04 | ci2048860 |
| 1992-04-26T18:04:18.900Z | 34.051 | -116.339 | 0.265 | 3.41 | ci2048839 |
| 1992-04-26T17:48:44.740Z | 33.853 | -116.27 | 0.483 | 3.24 | ci2048837 |
| 1992-04-26T17:21:38.010Z | 34.049 | -116.335 | -0.301 | 4.42 | ci2048832 |
| 1992-04-26T17:14:13.250Z | 34.001 | -116.32 | 4.195 | 3.33 | ci2048830 |
| 1992-04-26T09:55:45.640Z | 33.943 | -116.359 | 5.922 | 3.7 | ci2048740 |
| 1992-04-26T09:49:53.810Z | 33.969 | -116.28 | 4.049 | 3.42 | ci2048739 |
| 1992-04-26T06:27:49.240Z | 33.937 | -116.296 | 4.238 | 3 | ci3027299 |
| 1992-04-26T06:27:32.590Z | 33.945 | -116.3 | 2.469 | 3 | ci3027290 |
| 1992-04-26T06:26:37.950Z | 33.941 | -116.304 | -0.501 | 3.5 | ci3027276 |
| 1992-04-26T06:26:08.120Z | 33.9475 | -116.301 | 2.293 | 4.47 | ci2048693 |
| 1992-04-26T06:00:50.780Z | 33.947 | -116.308 | -0.684 | 3.18 | ci2048687 |
| 1992-04-26T05:54:18.240Z | 33.9551667 | -116.3061667 | 0.634 | 3.82 | ci2048685 |
| 1992-04-26T03:07:58.180Z | 33.993 | -116.332 | 7.964 | 3.63 | ci3018817 |
| 1992-04-25T19:39:24.460Z | 33.954 | -116.3505 | 3.882 | 3.54 | ci2048575 |
| 1992-04-25T11:56:05.170Z | 34.0353333 | -116.3068333 | -0.17 | 3.01 | ci3101040 |
| 1992-04-25T10:01:38.950Z | 33.9786667 | -116.2793333 | 0.885 | 3.19 | ci3018495 |
| 1992-04-25T09:34:41.580Z | 33.982 | -116.2716667 | 1.54 | 3.94 | ci2048451 |
| 1992-04-25T08:31:02.930Z | 34.0403333 | -116.3146667 | 8.71 | 3 | ci12177711 |
| 1992-04-25T05:40:02.810Z | 33.8626667 | -116.288 | -0.661 | 3.75 | ci2048397 |
| 1992-04-25T04:40:52.650Z | 34.0501667 | -116.2996667 | -0.94 | 3.15 | ci2048385 |
| 1992-04-25T02:14:27.080Z | 33.931 | -116.308 | -0.701 | 3.18 | ci3027843 |
| 1992-04-25T02:13:42.750Z | 33.93 | -116.311 | 0.119 | 3.47 | ci2048360 |
| 1992-04-24T23:27:19.680Z | 34.002 | -116.303 | 4.575 | 3.28 | ci2048330 |
| 1992-04-24T21:09:50.920Z | 33.9716667 | -116.3016667 | 1.053 | 3.23 | ci3018282 |
| 1992-04-24T20:42:18.820Z | 33.951 | -116.357 | 6.919 | 3.34 | ci3099080 |
| 1992-04-24T19:57:31.050Z | 33.944 | -116.313 | 2.299 | 3.55 | ci2048286 |

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|---|---|---|---|---|---|
| 1992-04-24T19:18:25.540Z | 33.927 | -116.303 | -0.691 | 3.15 | ci3098465 |
| 1992-04-24T19:12:57.200Z | 33.9596667 | -116.2926667 | 1.363 | 3.18 | ci3098464 |
| 1992-04-24T16:17:00.130Z | 33.866 | -116.291 | -0.689 | 3.57 | ci3098455 |
| 1992-04-24T16:01:05.560Z | 34.122 | -116.27 | 0.209 | 3.16 | ci2048228 |
| 1992-04-24T15:56:10.270Z | 33.9385 | -116.315 | 1.579 | 3.09 | ci3098453 |
| 1992-04-24T12:36:05.740Z | 33.946 | -116.379 | 10 | 4.2 | usp00056b3 |
| 1992-04-24T11:24:48.710Z | 33.946 | -116.359 | 6.389 | 3.39 | ci3097605 |
| 1992-04-24T09:42:38.200Z | 34.023 | -116.332 | 0.779 | 3.18 | ci3018054 |
| 1992-04-24T09:22:05.230Z | 33.874 | -116.294 | -0.357 | 3.03 | ci3018049 |
| 1992-04-24T07:32:57.000Z | 33.932 | -116.318 | 6 | 3.6 | usp00056aq |
| 1992-04-24T07:13:40.000Z | 33.998 | -116.347 | 6 | 3.3 | usp00056ap |
| 1992-04-24T06:19:12.010Z | 34.027 | -116.316 | 4.681 | 3.07 | ci3097588 |
| 1992-04-24T05:47:41.780Z | 34.027 | -116.331 | 2.211 | 3.17 | ci2048103 |
| 1992-04-24T03:29:59.580Z | 34.027 | -116.329 | -0.539 | 3.6 | ci3097348 |
| 1992-04-24T03:00:13.280Z | 33.942 | -116.322 | 5.629 | 3.4 | ci2048064 |
| 1992-04-24T01:15:51.220Z | 34.047 | -116.335 | 1.909 | 3.11 | ci2048033 |
| 1992-04-24T01:03:29.930Z | 34.02 | -116.295 | 10 | 3.2 | usp00056a2 |
| 1992-04-23T23:52:40.000Z | 33.978 | -116.262 | 6 | 3.9 | usp000569w |
| 1992-04-23T23:22:30.580Z | 33.9908333 | -116.3321667 | 5.469 | 3.09 | ci3017842 |
| 1992-04-23T22:55:56.290Z | 33.963 | -116.394 | 10 | 3.8 | usp000569p |
| 1992-04-23T22:29:47.100Z | 34.0288333 | -116.3263333 | 3.349 | 3.19 | ci3017824 |
| 1992-04-23T20:04:24.070Z | 34.031 | -116.38 | 10 | 3 | usp000569g |
| 1992-04-23T19:50:06.000Z | 33.945 | -116.337 | 6 | 3.3 | usp000569e |
| 1992-04-23T19:33:40.000Z | 34.137 | -116.338 | 6 | 3.4 | usp000569b |
| 1992-04-23T18:56:03.020Z | 33.991 | -116.284 | 2.789 | 4.24 | ci3027819 |
| 1992-04-23T18:20:14.120Z | 33.994 | -116.402 | 10 | 3.9 | usp0005696 |
| 1992-04-23T18:06:40.720Z | 33.9846667 | -116.2505 | 1.633 | 3.72 | ci3017773 |
| 1992-04-23T18:01:48.420Z | 34.0225 | -116.333 | -0.591 | 3.13 | ci3017771 |
| 1992-04-23T16:43:15.000Z | 33.983 | -116.333 | 6 | 3.1 | usp000568v |
| 1992-04-23T14:53:44.230Z | 33.985 | -116.225 | 1.654 | 3.48 | ci3122328 |
| 1992-04-23T14:53:09.840Z | 33.978 | -116.235 | 0.694 | 3.45 | ci3122327 |
| 1992-04-23T14:49:22.080Z | 33.983 | -116.229 | -0.491 | 3.3 | ci3131024 |
| 1992-04-23T14:49:16.250Z | 33.939 | -116.317 | 3.721 | 3.01 | ci3017338 |
| 1992-04-23T14:43:58.050Z | 34.038 | -116.345 | 0.549 | 3.33 | ci3131011 |
| 1992-04-23T14:27:30.420Z | 33.96 | -116.309 | -0.021 | 3.17 | ci2047860 |
| 1992-04-23T14:11:59.520Z | 33.897 | -116.293 | 4.831 | 3.13 | ci2047857 |
| 1992-04-23T13:47:55.400Z | 33.949 | -116.308 | -0.561 | 3.05 | ci2047847 |
| 1992-04-23T13:37:05.340Z | 33.954 | -116.305 | 1.781 | 3.49 | ci3017865 |
| 1992-04-23T13:35:57.460Z | 33.942 | -116.312 | 0.503 | 4.14 | ci3017852 |
| 1992-04-23T13:35:03.930Z | 33.942 | -116.31 | 0.471 | 3.08 | ci3017315 |
| 1992-04-23T12:52:56.020Z | 34.023 | -116.332 | 5.861 | 3.03 | ci3122086 |
| 1992-04-23T12:35:17.080Z | 33.947 | -116.32 | 7.589 | 3.4 | ci2047828 |
| 1992-04-23T12:30:53.460Z | 33.964 | -116.324 | 5.299 | 3.03 | ci2047827 |

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|---|---|---|---|---|---|
| 1992-04-23T12:22:08.660Z | 33.955 | -116.304 | 1.499 | 3.43 | ci3122070 |
| 1992-04-23T12:21:32.370Z | 33.947 | -116.309 | -0.537 | 3.48 | ci3122069 |
| 1992-04-23T12:16:46.550Z | 33.956 | -116.313 | -0.691 | 3.61 | ci3121787 |
| 1992-04-23T11:43:07.670Z | 33.963 | -116.364 | -0.481 | 3.24 | ci3120582 |
| 1992-04-23T11:38:53.930Z | 33.984 | -116.286 | 2.529 | 3.62 | ci3120570 |
| 1992-04-23T11:12:06.790Z | 33.983 | -116.229 | -0.836 | 3.56 | ci3120428 |
| 1992-04-23T11:11:52.140Z | 33.969 | -116.323 | -0.112 | 3.28 | ci3120427 |
| 1992-04-23T11:03:16.250Z | 33.943 | -116.321 | 5.262 | 3.09 | ci3120326 |
| 1992-04-23T11:00:57.350Z | 33.954 | -116.32 | 6.879 | 3.19 | ci3120323 |
| 1992-04-23T10:56:28.930Z | 33.986 | -116.225 | 2.154 | 3.15 | ci3120196 |
| 1992-04-23T10:18:08.020Z | 33.987 | -116.228 | 1.654 | 3.23 | ci2047793 |
| 1992-04-23T10:13:09.480Z | 33.993 | -116.291 | 2.799 | 3.19 | ci2047792 |
| 1992-04-23T10:03:03.420Z | 33.934 | -116.318 | 0.419 | 3.23 | ci2047789 |
| 1992-04-23T10:01:01.380Z | 34.017 | -116.337 | -0.719 | 3.19 | ci3123325 |
| 1992-04-23T09:58:09.540Z | 34.033 | -116.323 | 7.969 | 3.78 | ci3120177 |
| 1992-04-23T09:56:25.540Z | 33.986 | -116.326 | 7.769 | 3.06 | ci2047787 |
| 1992-04-23T09:47:59.270Z | 33.948 | -116.31 | -0.581 | 3.32 | ci3123247 |
| 1992-04-23T09:46:33.390Z | 33.947 | -116.307 | -0.537 | 3.29 | ci2047785 |
| 1992-04-23T09:44:18.600Z | 33.949 | -116.311 | -0.451 | 3.02 | ci2047784 |
| 1992-04-23T09:40:53.090Z | 34.004 | -116.324 | 0.148 | 3.27 | ci3097747 |
| 1992-04-23T09:11:41.150Z | 33.938 | -116.321 | 8.729 | 3.53 | ci3120066 |
| 1992-04-23T08:47:20.370Z | 34.042 | -116.332 | 0.019 | 3.64 | ci3119895 |
| 1992-04-23T08:47:04.220Z | 34.033 | -116.31 | -0.101 | 3.37 | ci3119894 |
| 1992-04-23T08:45:13.770Z | 33.9465 | -116.3178333 | 3.719 | 3 | ci3028655 |
| 1992-04-23T08:44:29.910Z | 33.9413333 | -116.31 | -0.251 | 3.3 | ci2047763 |
| 1992-04-23T08:40:25.210Z | 33.961 | -116.307 | 0.483 | 3.22 | ci3028644 |
| 1992-04-23T08:33:41.110Z | 34.0336667 | -116.3295 | -0.271 | 3.89 | ci2047761 |
| 1992-04-23T07:55:33.000Z | 33.93 | -116.33 | 6 | 3.1 | usp000567g |
| 1992-04-23T07:49:39.780Z | 33.9861667 | -116.3248333 | 1.611 | 3.14 | ci3019164 |
| 1992-04-23T07:47:11.850Z | 33.996 | -116.326 | 4.881 | 3.36 | ci3019115 |
| 1992-04-23T07:40:24.090Z | 34.034 | -116.234 | 7.214 | 3.07 | ci2047744 |
| 1992-04-23T07:21:44.970Z | 33.9655 | -116.2963333 | 1.955 | 3.5 | ci12177175 |
| 1992-04-23T07:21:34.800Z | 33.95 | -116.351 | 4.289 | 3.48 | ci3019086 |
| 1992-04-23T07:20:48.830Z | 33.9376667 | -116.3198333 | 5.305 | 3.5 | ci12177179 |
| 1992-04-23T07:04:04.550Z | 34.011 | -116.3221667 | 4.904 | 3.11 | ci3017181 |
| 1992-04-23T07:03:04.480Z | 33.9433333 | -116.3281667 | 5.362 | 3 | ci3018193 |
| 1992-04-23T06:59:15.580Z | 33.9746667 | -116.3273333 | 2.635 | 3.11 | ci3017179 |
| 1992-04-23T06:51:37.900Z | 33.933 | -116.321 | 2.939 | 3.27 | ci3017810 |
| 1992-04-23T06:50:45.980Z | 33.965 | -116.314 | 1.949 | 3.34 | ci3017808 |
| 1992-04-23T06:50:28.700Z | 33.988 | -116.291 | 3.393 | 3.73 | ci3017177 |
| 1992-04-23T06:40:14.250Z | 33.9528333 | -116.315 | 5.429 | 3.81 | ci2047739 |
| 1992-04-23T06:36:28.840Z | 34.0508333 | -116.3358333 | 7.519 | 3.56 | ci3017753 |
| 1992-04-23T06:34:31.070Z | 33.952 | -116.3286667 | 0.879 | 3.15 | ci2047736 |

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|---|---|---|---|---|---|
| 1992-04-23T06:27:41.830Z | 33.978 | -116.334 | 1.739 | 3.23 | ci2047735 |
| 1992-04-23T06:18:44.850Z | 33.952 | -116.319 | 4.369 | 3.17 | ci3017562 |
| 1992-04-23T06:17:32.410Z | 33.95 | -116.317 | 5.099 | 3.38 | ci2047733 |
| 1992-04-23T06:15:50.590Z | 33.9878333 | -116.3298333 | 5.239 | 3.27 | ci2047732 |
| 1992-04-23T06:12:31.030Z | 34.034 | -116.311 | 1.641 | 3 | ci3017430 |
| 1992-04-23T06:11:55.340Z | 34.028 | -116.321 | 8.781 | 3.58 | ci2047731 |
| 1992-04-23T06:06:43.050Z | 33.96 | -116.324 | 8.531 | 3.39 | ci3017321 |
| 1992-04-23T05:58:07.900Z | 33.977 | -116.233 | 1.964 | 3.5 | ci2047728 |
| 1992-04-23T05:56:14.320Z | 33.949 | -116.317 | 8.209 | 3.24 | ci2047727 |
| 1992-04-23T05:53:16.670Z | 33.991 | -116.304 | 2.739 | 3.28 | ci2047726 |
| 1992-04-23T05:45:59.300Z | 34.022 | -116.324 | 5.998 | 3.09 | ci2047725 |
| 1992-04-23T05:36:49.380Z | 33.9591667 | -116.325 | 4.429 | 3.49 | ci2047724 |
| 1992-04-23T05:31:57.880Z | 34.12 | -116.539 | 10 | 3.5 | usp000566y |
| 1992-04-23T05:24:41.270Z | 34.022 | -116.326 | -0.439 | 3.27 | ci3017249 |
| 1992-04-23T05:23:16.190Z | 33.943 | -116.325 | 4.629 | 4.01 | ci3017236 |
| 1992-04-23T05:22:54.990Z | 33.951 | -116.327 | 10.179 | 3.19 | ci3017248 |
| 1992-04-23T05:22:18.550Z | 34.062 | -116.325 | 10.259 | 3.83 | ci2047722 |
| 1992-04-23T05:11:37.800Z | 34.015 | -116.33 | 9.193 | 3.27 | ci3027831 |
| 1992-04-23T05:10:28.090Z | 33.958 | -116.33 | 2.27 | 4.3 | ci3027826 |
| 1992-04-23T05:10:10.390Z | 34.01 | -116.324 | 2.539 | 4 | ci2047719 |
| 1992-04-23T05:07:37.480Z | 33.951 | -116.321 | 4.469 | 3.03 | ci2047718 |
| 1992-04-23T04:57:02.920Z | 33.999 | -116.331 | 9.485 | 3.41 | ci3027931 |
| 1992-04-23T04:56:21.680Z | 33.998 | -116.329 | 9.119 | 3.65 | ci3027929 |
| 1992-04-23T04:55:27.960Z | 34.01 | -116.348 | 5.132 | 3.32 | ci3027925 |
| 1992-04-23T04:54:14.590Z | 33.949 | -116.32 | 5.934 | 3.5 | ci3027817 |
| 1992-04-23T04:50:23.230Z | 33.96 | -116.317 | 11.629 | 6.1 | ci3019681 |
| 1992-04-23T02:27:12.800Z | 33.9566667 | -116.3283333 | 6.489 | 3.25 | ci3017129 |
| 1992-04-23T02:25:29.870Z | 33.956 | -116.317 | 10.829 | 4.54 | ci2047709 |
| 1992-04-10T20:13:22.990Z | 33.385 | -116.299 | 11.603 | 3.43 | ci2046936 |
| 1992-04-06T14:12:52.910Z | 33.224 | -116.084 | 9.299 | 3.18 | ci2046492 |
| 1992-03-27T19:41:53.820Z | 32.914 | -116.278 | 13.952 | 3.49 | ci2045846 |
| 1992-03-13T07:47:14.040Z | 33.8 | -116.78 | 14.848 | 3 | ci2044847 |
| 1992-03-02T22:13:02.480Z | 33.261 | -115.673 | 3.666 | 3.23 | ci2043876 |
| 1992-01-23T12:50:41.830Z | 33.629 | -116.818 | 17.15 | 3.1 | ci2040070 |
| 1992-01-04T21:14:13.980Z | 33.806 | -116.905 | 12.158 | 3.07 | ci2038619 |
| 1991-12-06T18:27:37.750Z | 33.889 | -116.163 | 1.014 | 3.12 | ci2036263 |
| 1991-12-04T08:17:03.510Z | 34.178 | -117.022 | 8.93 | 4.09 | ci2036038 |
| 1991-12-04T07:10:57.590Z | 33.07 | -116.803 | 13.822 | 4.27 | ci2036037 |
| 1991-11-26T17:44:47.060Z | 33.48 | -116.465 | 9.568 | 3.39 | ci2035478 |
| 1991-10-29T03:27:04.450Z | 34.078 | -117.247 | 12.222 | 3.3 | ci2032999 |
| 1991-10-27T20:54:05.780Z | 33.647 | -116.745 | 12.032 | 3.74 | ci2032895 |
| 1991-10-23T12:53:05.250Z | 33.429 | -116.445 | 12.244 | 3.74 | ci2032425 |
| 1991-10-12T15:21:35.150Z | 33.894 | -116.161 | 2.934 | 3.17 | ci2031534 |

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|---|---|---|---|---|---|
| 1991-10-12T14:58:49.960Z | 33.892 | -116.16 | 2.084 | 3.16 | ci2031531 |
| 1991-10-12T14:57:49.940Z | 33.895 | -116.162 | 2.954 | 3.03 | ci751514 |
| 1991-10-12T14:44:46.700Z | 33.89 | -116.165 | 3.154 | 3.57 | ci751511 |
| 1991-10-12T14:39:32.100Z | 33.89 | -116.164 | 2.054 | 4.01 | ci751510 |
| 1991-10-12T11:50:53.140Z | 33.897 | -116.161 | 3.324 | 3.31 | ci751493 |
| 1991-10-06T06:10:45.320Z | 33.484 | -116.494 | 11.178 | 3.12 | ci152794 |
| 1991-09-26T14:29:30.530Z | 33.265 | -116.019 | 2.079 | 3.56 | ci2030277 |
| 1991-09-15T19:53:55.350Z | 34.161 | -117.328 | 7.743 | 3.39 | ci2029203 |
| 1991-08-24T08:53:06.810Z | 33.544 | -116.802 | 1.595 | 3.03 | ci2027500 |
| 1991-08-03T09:59:49.870Z | 34.093 | -117.312 | 16.442 | 3.6 | ci698180 |
| 1991-07-19T02:41:36.810Z | 33.212 | -115.968 | 3.103 | 4.12 | ci697556 |
| 1991-07-11T15:31:24.040Z | 33.779 | -116.926 | 11.838 | 3.13 | ci2022232 |
| 1991-07-09T09:06:11.500Z | 33.492 | -116.424 | 6.401 | 3.81 | ci2022070 |
| 1991-07-05T03:10:46.340Z | 33.501 | -116.902 | 12.838 | 3.12 | ci2021873 |
| 1991-07-05T03:08:36.410Z | 33.501 | -116.9 | 12.908 | 3.03 | ci2021872 |
| 1991-06-28T16:16:14.790Z | 33.428 | -116.685 | 12.959 | 3.18 | ci2021466 |
| 1991-06-14T11:09:06.120Z | 33.163 | -115.639 | 1.066 | 3.28 | ci2020781 |
| 1991-05-24T18:08:33.670Z | 33.037 | -116.015 | 5.789 | 3.36 | ci2018630 |
| 1991-05-20T15:04:10.030Z | 33.779 | -116.934 | 11.35 | 3.36 | ci695382 |
| 1991-05-20T15:00:53.430Z | 33.781 | -116.935 | 11.73 | 3.59 | ci695381 |
| 1991-05-03T18:55:26.420Z | 34.058 | -116.414 | 6.359 | 3.22 | ci2017538 |
| 1991-04-14T08:42:39.370Z | 33.866 | -116.15 | 2.166 | 3.32 | ci2016539 |
| 1991-03-08T09:27:35.570Z | 34.15 | -116.719 | 9.587 | 3.64 | ci2013964 |
| 1991-02-07T06:32:37.660Z | 33.264 | -116.812 | 13.589 | 3.2 | ci2011941 |
| 1991-01-31T21:58:45.730Z | 33.574 | -116.901 | 4.913 | 3 | ci2011366 |
| 1990-12-21T09:04:13.610Z | 34.532 | -116.814 | -0.364 | 3.17 | ci2009254 |
| 1990-12-20T16:15:53.460Z | 34.54 | -116.809 | -0.364 | 3.42 | ci2009194 |
| 1990-12-20T13:48:57.980Z | 34.536 | -116.812 | -0.364 | 3.04 | ci2009187 |
| 1990-12-19T19:04:47.340Z | 34.53 | -116.821 | -0.364 | 3.16 | ci2009163 |
| 1990-12-17T17:44:21.240Z | 34.207 | -117.021 | 4.346 | 3.54 | ci2009059 |
| 1990-11-09T07:12:27.390Z | 34.432 | -116.801 | 1.646 | 3 | ci143774 |
| 1990-11-09T07:11:19.880Z | 34.428 | -116.809 | 2.376 | 3.53 | ci1062836 |
| 1990-11-07T11:07:52.880Z | 33.781 | -116.733 | 9.447 | 3.35 | ci1062723 |
| 1990-11-05T14:14:59.940Z | 32.918 | -116.344 | 7.397 | 3.01 | ci1062585 |
| 1990-10-25T03:00:50.000Z | 33.521 | -116.504 | 15.188 | 3.47 | ci143450 |
| 1990-10-04T07:36:11.070Z | 34.526 | -116.432 | 4.84 | 3 | ci2005788 |
| 1990-09-23T21:12:26.360Z | 33.522 | -116.696 | 12.068 | 3.03 | ci2005270 |
| 1990-09-15T19:01:41.170Z | 34.283 | -117.045 | 1.048 | 3.17 | ci2004813 |
| 1990-09-12T06:36:55.530Z | 33.489 | -116.752 | 10.298 | 3.33 | ci142593 |
| 1990-09-02T10:20:35.340Z | 34.144 | -116.995 | 12.631 | 3.51 | ci2003986 |
| 1990-08-31T05:55:03.240Z | 33.248 | -116.048 | 7.913 | 3.16 | ci2003817 |
| 1990-08-31T04:24:28.250Z | 33.248 | -116.05 | 7.313 | 3.34 | ci2003792 |
| 1990-08-31T03:56:18.900Z | 33.242 | -116.058 | 2.843 | 3.29 | ci2003787 |

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|---|---|---|---|---|---|
| 1990-08-31T03:38:00.010Z | 33.247 | -116.049 | 7.953 | 4.49 | ci2003785 |
| 1990-08-31T03:24:53.960Z | 33.245 | -116.048 | 5.903 | 3.18 | ci2003782 |
| 1990-08-31T01:23:32.220Z | 33.245 | -116.05 | 7.943 | 3.16 | ci2003775 |
| 1990-08-31T01:05:49.030Z | 33.244 | -116.045 | 8.623 | 4.08 | ci2003772 |
| 1990-08-29T03:21:19.060Z | 33.11 | -116.596 | 11.459 | 3.45 | ci2003652 |
| 1990-08-05T21:28:03.620Z | 33.332 | -116.412 | 6.576 | 3.03 | ci142450 |
| 1990-08-05T21:27:03.790Z | 33.325 | -116.414 | 4.516 | 4.11 | ci1061283 |
| 1990-06-21T11:36:13.280Z | 33.163 | -115.639 | 1.092 | 3.33 | ci2000611 |
| 1990-06-21T11:11:03.500Z | 33.158 | -115.645 | 1.087 | 3.28 | ci681645 |
| 1990-06-21T11:08:45.930Z | 33.161 | -115.64 | 1.066 | 3.63 | ci2000610 |
| 1990-06-21T10:51:15.020Z | 33.162 | -115.637 | 1.066 | 3.59 | ci2000607 |
| 1990-06-21T10:47:21.870Z | 33.165 | -115.635 | 1.066 | 3.75 | ci141990 |
| 1990-06-21T10:46:48.760Z | 33.165 | -115.632 | 1.066 | 3.84 | ci2000606 |
| 1990-06-17T06:08:05.410Z | 34.046 | -117.254 | 14.293 | 3.78 | ci2000429 |
| 1990-05-31T17:39:19.700Z | 34.43 | -116.966 | 2.15 | 3.57 | ci1059340 |
| 1990-05-10T14:25:10.410Z | 33.202 | -116.351 | 11.816 | 3.03 | ci1058505 |
| 1990-04-24T11:27:19.520Z | 33.879 | -116.159 | 4.156 | 3.63 | ci1057675 |
| 1990-04-23T09:30:16.490Z | 34.063 | -116.39 | 2.993 | 3.16 | ci1057623 |
| 1990-04-22T01:10:36.410Z | 34.034 | -116.024 | 0.483 | 3.13 | ci1057566 |
| 1990-04-18T19:07:22.460Z | 33.873 | -116.153 | 2.966 | 3.04 | ci141616 |
| 1990-04-18T14:32:49.110Z | 33.877 | -116.165 | 4.286 | 4.04 | ci1057365 |
| 1990-04-18T14:26:05.830Z | 33.879 | -116.163 | 4.126 | 3.29 | ci1057364 |
| 1990-04-14T11:14:11.850Z | 33.873 | -116.16 | 4.206 | 3.63 | ci1057180 |
| 1990-04-13T11:48:00.420Z | 33.88 | -116.154 | 2.836 | 3.04 | ci1057089 |
| 1990-04-12T12:41:28.960Z | 33.88 | -116.156 | 3.946 | 3.17 | ci1057052 |
| 1990-04-12T02:45:56.410Z | 33.88 | -116.15 | 1.646 | 3.4 | ci1057025 |
| 1990-04-12T01:12:55.680Z | 33.881 | -116.154 | 3.846 | 3.61 | ci1057012 |
| 1990-04-12T00:27:35.630Z | 33.883 | -116.15 | 3.016 | 3.01 | ci141570 |
| 1990-04-11T14:07:45.840Z | 33.878 | -116.155 | 4.126 | 3.08 | ci1056981 |
| 1990-04-07T01:07:05.130Z | 33.871 | -116.156 | 4.286 | 4.14 | ci1056778 |
| 1990-04-04T23:47:44.130Z | 33.862 | -116.195 | 5.036 | 3.37 | ci1056639 |
| 1990-04-04T02:13:39.830Z | 34.326 | -117.089 | 4.087 | 3.97 | ci1056583 |
| 1990-02-18T21:47:27.420Z | 33.522 | -116.446 | 10.185 | 3.25 | ci1052658 |
| 1990-02-18T15:54:55.550Z | 33.51 | -116.454 | 7.615 | 3.48 | ci140721 |
| 1990-02-18T15:52:59.940Z | 33.509 | -116.452 | 7.945 | 4.29 | ci1052624 |
| 1990-02-17T03:46:03.540Z | 34.354 | -117.209 | 3.054 | 3.48 | ci1052544 |
| 1990-02-05T00:51:01.930Z | 33.503 | -116.45 | 8.065 | 3.54 | ci1051515 |
| 1990-01-03T11:54:27.430Z | 33.255 | -116.375 | 8.491 | 3.55 | ci1049214 |
| 1990-01-02T09:50:53.190Z | 33.653 | -116.77 | 12.5 | 3.64 | ci1049144 |
| 1989-12-31T12:53:51.490Z | 33.484 | -116.444 | 7.275 | 3.15 | ci1048984 |
| 1989-12-30T13:49:38.890Z | 33.771 | -115.993 | 4.805 | 3.13 | ci1048915 |
| 1989-12-30T13:15:35.430Z | 33.77 | -115.994 | 4.685 | 3.08 | ci1048913 |
| 1989-12-29T23:26:46.530Z | 34.042 | -116.705 | 14.014 | 3 | ci1048876 |

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|---|---|---|---|---|---|
| 1989-12-22T03:03:25.540Z | 33.624 | -116.688 | 12.807 | 3.67 | ci140444 |
| 1989-12-18T06:27:04.510Z | 33.734 | -116.024 | 9.496 | 4.14 | ci672565 |
| 1989-12-06T19:15:23.500Z | 33.807 | -117.035 | 14.444 | 3.54 | ci1047586 |
| 1989-12-02T23:16:47.860Z | 33.646 | -116.742 | 13.197 | 4.42 | ci671917 |
| 1989-12-01T14:30:19.200Z | 33.646 | -116.745 | 13.237 | 3.1 | ci1047253 |
| 1989-11-12T17:13:31.430Z | 34.002 | -116.743 | 12.732 | 3.07 | ci1046004 |
| 1989-11-11T22:42:08.230Z | 33.984 | -116.829 | 18.862 | 3.13 | ci1045952 |
| 1989-10-08T17:58:27.330Z | 33.491 | -116.457 | 5.705 | 3.03 | ci1043470 |
| 1989-09-04T17:53:41.030Z | 33.333 | -116.238 | 9.673 | 3.61 | ci1040045 |
| 1989-09-02T05:39:35.660Z | 33.508 | -116.444 | 8.108 | 3.36 | ci1039805 |
| 1989-08-30T18:39:08.040Z | 33.926 | -116.604 | 11.477 | 3.08 | ci1039539 |
| 1989-08-28T22:14:31.480Z | 33.962 | -116.913 | 15.428 | 3.18 | ci1039310 |
| 1989-08-13T10:18:11.750Z | 33.074 | -115.939 | 3.355 | 3.03 | ci1037628 |
| 1989-08-09T13:42:11.270Z | 33.498 | -116.519 | 5.898 | 3.63 | ci1037206 |
| 1989-07-19T23:46:22.890Z | 33.966 | -116.675 | 9.537 | 3.11 | ci1035144 |
| 1989-06-28T00:20:15.350Z | 33.493 | -116.479 | 14.448 | 3.39 | ci662348 |
| 1989-06-27T23:33:48.320Z | 33.328 | -116.341 | 10.902 | 3.04 | ci662343 |
| 1989-06-20T11:57:25.400Z | 33.512 | -116.444 | 8.058 | 3.13 | ci1032747 |
| 1989-06-04T21:33:59.720Z | 34.597 | -116.839 | 0.501 | 4.29 | ci1031507 |
| 1989-06-01T09:33:51.270Z | 34.014 | -117.171 | 11.364 | 3.61 | ci139487 |
| 1989-05-31T18:41:37.660Z | 33.96 | -116.29 | 3.855 | 3 | ci1031119 |
| 1989-04-19T01:31:29.530Z | 33.196 | -115.597 | 1.055 | 3.16 | ci658407 |
| 1989-04-04T13:42:51.970Z | 33.751 | -116.176 | 2.315 | 3.08 | ci1025577 |
| 1989-03-08T20:00:44.260Z | 33.95 | -116.651 | 12.837 | 3.17 | ci1023175 |
| 1989-03-07T01:47:27.600Z | 33.178 | -115.615 | 1.667 | 3.66 | ci1022975 |
| 1989-03-07T00:24:58.150Z | 33.181 | -115.611 | 2.897 | 3.74 | ci1022967 |
| 1989-03-06T23:11:05.170Z | 33.195 | -115.594 | 0.985 | 3.35 | ci139064 |
| 1989-03-06T22:57:34.280Z | 33.205 | -115.6 | 1.055 | 3.5 | ci1022957 |
| 1989-03-06T22:45:55.010Z | 33.171 | -115.624 | 3.049 | 3.66 | ci1022954 |
| 1989-03-06T22:20:38.620Z | 33.175 | -115.62 | 0.946 | 3.82 | ci1022951 |
| 1989-03-04T05:34:16.430Z | 32.968 | -116.243 | 9.267 | 3.24 | ci1022693 |
| 1989-03-03T16:43:14.320Z | 33.372 | -116.252 | 10.773 | 3.26 | ci1022596 |
| 1989-02-15T08:12:02.300Z | 33.195 | -115.609 | 1.426 | 3.14 | ci138937 |
| 1989-01-31T18:22:39.770Z | 34.171 | -116.816 | 9.313 | 3.35 | ci653813 |
| 1989-01-25T03:53:45.170Z | 33.772 | -115.678 | 2.891 | 3.05 | ci1019260 |
| 1989-01-23T14:29:13.450Z | 33.969 | -116.29 | 2.575 | 3.28 | ci1019066 |
| 1989-01-11T09:32:31.790Z | 33.97 | -116.291 | 2.565 | 3.07 | ci1017637 |
| 1989-01-05T21:32:13.850Z | 34.264 | -116.004 | 2.187 | 3.11 | ci1017186 |
| 1988-12-16T05:53:04.100Z | 33.979 | -116.681 | 6.894 | 5.03 | ci651401 |
| 1988-12-15T23:19:13.890Z | 33.485 | -116.543 | 11.638 | 3.3 | ci651393 |
| 1988-12-08T17:52:38.290Z | 33.486 | -116.415 | 7.288 | 3 | ci1014864 |
| 1988-11-24T08:17:44.650Z | 33.764 | -115.98 | 4.192 | 3.07 | ci138340 |
| 1988-11-23T06:25:30.040Z | 33.068 | -115.939 | 2.747 | 3.23 | ci1013560 |

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|---|---|---|---|---|---|
| 1988-11-21T11:04:30.000Z | 33.765 | -115.978 | 4.292 | 3.06 | ci1013327 |
| 1988-11-17T05:43:06.010Z | 33.487 | -116.412 | 7.108 | 3.41 | ci1013121 |
| 1988-11-06T15:26:15.730Z | 34.045 | -116.773 | 11.452 | 3.08 | ci1012709 |
| 1988-11-05T23:50:32.060Z | 34.041 | -117.188 | 13.401 | 3.69 | ci1012698 |
| 1988-10-20T01:57:04.470Z | 33.21 | -115.59 | 0.624 | 3.37 | ci140196 |
| 1988-10-20T01:56:43.150Z | 33.208 | -115.592 | 0.984 | 3.27 | ci648359 |
| 1988-10-19T22:55:47.600Z | 33.192 | -115.611 | 0.063 | 3.49 | ci138058 |
| 1988-09-27T05:19:20.850Z | 34.576 | -116.578 | 4.435 | 3.3 | ci1009871 |
| 1988-09-10T20:59:03.860Z | 34.249 | -115.705 | 5.222 | 3 | ci1008894 |
| 1988-08-26T04:57:21.550Z | 34.527 | -116.427 | 4.848 | 3.64 | ci1008181 |
| 1988-08-24T05:11:41.580Z | 33.542 | -116.795 | 3.838 | 3.05 | ci1008064 |
| 1988-08-16T22:20:51.120Z | 34.07 | -117.282 | 17.344 | 3.15 | ci1007618 |
| 1988-07-20T03:00:40.270Z | 33.029 | -115.832 | 1.996 | 3.12 | ci643365 |
| 1988-07-11T06:04:16.940Z | 33.489 | -116.441 | 14.078 | 3.09 | ci642831 |
| 1988-07-03T02:06:01.130Z | 33.98 | -117 | 17.073 | 3.28 | ci642337 |
| 1988-07-02T05:31:22.960Z | 33.461 | -116.472 | 10.65 | 3.14 | ci137010 |
| 1988-07-02T05:31:04.110Z | 33.477 | -116.455 | 12.248 | 3.19 | ci642275 |
| 1988-07-02T00:26:58.190Z | 33.483 | -116.439 | 11.714 | 4.4 | ci642247 |
| 1988-06-26T22:43:14.140Z | 33.801 | -116.053 | 8.457 | 3.09 | ci137000 |
| 1988-06-25T17:48:25.620Z | 33.783 | -115.982 | 8.122 | 3.07 | ci136981 |
| 1988-06-24T06:31:02.440Z | 33.976 | -116.324 | 2.043 | 3.02 | ci641747 |
| 1988-06-18T13:22:25.690Z | 33.91 | -116.946 | 13.947 | 3.55 | ci641338 |
| 1988-06-18T10:25:21.610Z | 33.91 | -116.945 | 14.227 | 3.06 | ci641334 |
| 1988-06-17T05:33:38.910Z | 33.241 | -116.248 | 8.28 | 3.2 | ci641229 |
| 1988-06-06T08:06:26.200Z | 33.3 | -116.31 | 12.287 | 3.32 | ci640433 |
| 1988-06-04T00:31:57.230Z | 33.978 | -117.116 | 15.784 | 3.63 | ci640380 |
| 1988-05-24T07:55:26.750Z | 34.005 | -116.78 | 13.602 | 3.41 | ci639811 |
| 1988-05-17T19:38:37.960Z | 33.24 | -116.247 | 8.18 | 4.26 | ci639478 |
| 1988-05-16T16:45:50.880Z | 34.028 | -116.762 | 10.182 | 3.15 | ci639407 |
| 1988-05-04T02:18:50.940Z | 33.401 | -116.93 | 12.439 | 3.1 | ci638803 |
| 1988-04-29T05:29:14.770Z | 34.027 | -116.765 | 10.572 | 3.73 | ci1000432 |
| 1988-04-21T08:14:47.520Z | 33.413 | -117.071 | 5.343 | 3.41 | ci136324 |
| 1988-04-14T13:03:09.350Z | 33.267 | -116.299 | 10.097 | 3.01 | ci748013 |
| 1988-04-01T18:52:53.400Z | 32.926 | -116.223 | 8.818 | 3.72 | ci747068 |
| 1988-03-01T13:43:52.470Z | 33.258 | -115.96 | 1 | 3.19 | ci744670 |
| 1988-02-29T15:25:06.900Z | 34.032 | -116.246 | 4.655 | 3.25 | ci135912 |
| 1988-02-17T23:56:51.450Z | 33.265 | -116.091 | 2.9 | 3.51 | ci743488 |
| 1988-02-06T08:06:03.260Z | 33.909 | -116.992 | 14.762 | 3.44 | ci742741 |
| 1988-01-28T01:44:57.020Z | 33.228 | -115.992 | 0.12 | 3.2 | ci742121 |
| 1988-01-22T00:52:20.710Z | 33.816 | -117.033 | 14.444 | 3.47 | ci741602 |
| 1988-01-02T19:43:00.960Z | 34.179 | -116.409 | 1.273 | 3.13 | ci740175 |
| 1988-01-02T19:40:53.060Z | 34.176 | -116.411 | 1.803 | 3.35 | ci740174 |
| 1987-12-31T21:34:01.330Z | 34.176 | -116.416 | 1.183 | 3.91 | ci740044 |

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|---|---|---|---|---|---|
| 1987-12-31T21:08:13.830Z | 34.181 | -116.407 | 0.803 | 3.01 | ci631789 |
| 1987-12-29T10:17:17.990Z | 33.545 | -117.203 | 0.707 | 3.17 | ci631594 |
| 1987-12-25T18:15:48.850Z | 33.125 | -115.741 | 2.693 | 3.46 | ci631350 |
| 1987-12-25T01:00:46.980Z | 34.181 | -116.409 | 1.853 | 3.25 | ci631310 |
| 1987-12-17T07:26:25.640Z | 33.98 | -116.684 | 7.434 | 3.09 | ci630775 |
| 1987-12-03T19:04:36.600Z | 33.006 | -115.874 | 1.697 | 3.94 | ci737804 |
| 1987-12-01T11:13:19.640Z | 34.293 | -116.923 | 5.123 | 3.57 | ci737466 |
| 1987-11-27T11:33:14.960Z | 33.018 | -115.858 | 0.787 | 3.18 | ci736812 |
| 1987-11-27T10:05:49.380Z | 33.102 | -115.753 | 1.529 | 3.32 | ci736801 |
| 1987-11-27T01:38:03.730Z | 33.069 | -115.782 | 2.902 | 3.03 | ci736715 |
| 1987-11-27T01:17:15.750Z | 33.02 | -115.86 | 1.607 | 3.09 | ci736710 |
| 1987-11-26T17:39:01.990Z | 33.029 | -115.888 | 1.812 | 4.53 | ci736607 |
| 1987-11-26T15:06:54.670Z | 33.046 | -115.826 | 5.461 | 3.06 | ci736580 |
| 1987-11-25T18:19:45.840Z | 33.082 | -115.776 | 2.529 | 3.11 | ci736302 |
| 1987-11-25T15:04:11.510Z | 33.025 | -115.873 | 2.78 | 3.03 | ci736257 |
| 1987-11-25T08:46:17.500Z | 33.185 | -115.632 | 1.425 | 3.02 | ci736132 |
| 1987-11-25T05:28:33.530Z | 33.088 | -115.767 | 3.469 | 3 | ci736073 |
| 1987-11-25T04:17:33.150Z | 33.055 | -115.932 | 2.04 | 3.52 | ci736052 |
| 1987-11-25T02:47:57.750Z | 33.011 | -115.867 | 3.041 | 3.34 | ci736023 |
| 1987-11-25T02:08:30.900Z | 33.069 | -115.932 | 1.57 | 3.22 | ci736011 |
| 1987-11-25T01:48:18.750Z | 33.187 | -115.638 | 0.865 | 3.1 | ci736004 |
| 1987-11-25T00:50:28.620Z | 33.07 | -115.934 | 2.885 | 3.32 | ci735985 |
| 1987-11-25T00:48:55.730Z | 33.025 | -115.861 | 2.031 | 3.36 | ci135211 |
| 1987-11-25T00:33:49.410Z | 33.065 | -115.929 | 1.721 | 3.25 | ci735981 |
| 1987-11-24T23:18:56.510Z | 33.018 | -115.867 | 2.185 | 3.1 | ci628195 |
| 1987-11-24T21:28:02.900Z | 33.022 | -115.858 | 1.059 | 3.02 | ci735936 |
| 1987-11-24T20:41:39.440Z | 33.712 | -116.833 | 14.79 | 3.33 | ci735916 |
| 1987-11-24T18:56:58.100Z | 33.07 | -115.919 | 2.908 | 3.09 | ci628104 |
| 1987-11-24T18:50:40.310Z | 33.017 | -115.881 | 0.094 | 4.14 | ci628102 |
| 1987-11-24T18:48:52.600Z | 33.055 | -115.919 | 0.041 | 3.38 | ci134941 |
| 1987-11-24T18:47:24.660Z | 33.066 | -115.931 | 3.44 | 3.74 | ci628101 |
| 1987-11-24T18:05:44.530Z | 33.036 | -115.877 | 0.214 | 3.21 | ci628084 |
| 1987-11-24T17:25:02.000Z | 33.03 | -115.846 | 3.153 | 3.24 | ci735893 |
| 1987-11-24T16:38:50.580Z | 33.031 | -115.859 | 1.435 | 3.05 | ci735872 |
| 1987-11-24T15:51:48.860Z | 33.037 | -115.829 | 1.602 | 3.05 | ci135078 |
| 1987-11-24T15:34:47.690Z | 33.044 | -115.807 | 3.352 | 3.45 | ci134930 |
| 1987-11-24T15:15:27.810Z | 33.024 | -115.838 | 3.285 | 3.32 | ci628051 |
| 1987-11-24T15:06:57.720Z | 33.023 | -115.869 | 2.551 | 3.31 | ci628048 |
| 1987-11-24T14:56:16.440Z | 33.015 | -115.862 | 2.215 | 3.24 | ci628045 |
| 1987-11-24T14:36:29.950Z | 33.043 | -115.803 | 1.062 | 4.13 | ci628041 |
| 1987-11-24T14:32:10.810Z | 33.153 | -115.716 | 5.601 | 3.26 | ci134935 |
| 1987-11-24T14:10:41.910Z | 33.021 | -115.863 | 3.713 | 3.08 | ci735850 |
| 1987-11-24T14:09:32.020Z | 33.025 | -115.892 | 3.421 | 3.53 | ci134928 |

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|---|---|---|---|---|---|
| 1987-11-24T14:02:17.250Z | 33.057 | -115.844 | -0.016 | 3.16 | ci735848 |
| 1987-11-24T13:46:13.410Z | 33.012 | -115.863 | 4.155 | 3.97 | ci134920 |
| 1987-11-24T13:42:11.290Z | 33.071 | -115.848 | -0.347 | 3.41 | ci135048 |
| 1987-11-24T13:37:50.740Z | 33.05 | -115.8 | 5.734 | 3.4 | ci135142 |
| 1987-11-24T13:33:55.800Z | 33.13 | -115.875 | 0.973 | 4.34 | ci735841 |
| 1987-11-24T13:24:53.920Z | 33.05 | -115.8 | 4.309 | 3.4 | ci135141 |
| 1987-11-24T13:24:03.340Z | 33.05 | -115.8 | 5.39 | 3.62 | ci135140 |
| 1987-11-24T10:12:37.610Z | 33.056 | -115.795 | 1.981 | 3.11 | ci735797 |
| 1987-11-24T07:23:31.020Z | 33.087 | -115.765 | 1.449 | 3.14 | ci735747 |
| 1987-11-24T06:32:49.620Z | 33.21 | -115.665 | 0.243 | 3.37 | ci627919 |
| 1987-11-24T06:32:02.410Z | 33.088 | -115.781 | 0.122 | 3.52 | ci735731 |
| 1987-11-24T06:21:54.590Z | 33.209 | -115.667 | 1.685 | 3.08 | ci134911 |
| 1987-11-24T05:42:54.180Z | 33.06 | -115.798 | 1.441 | 3 | ci134980 |
| 1987-11-24T04:47:21.920Z | 33.179 | -115.632 | 3.625 | 3.03 | ci627884 |
| 1987-11-24T04:30:52.250Z | 33.103 | -115.762 | 2.309 | 3.25 | ci627878 |
| 1987-11-24T04:04:36.880Z | 33.177 | -115.648 | 0.095 | 3.83 | ci735695 |
| 1987-11-24T04:00:45.000Z | 33.158 | -115.709 | 1.985 | 3.28 | ci134963 |
| 1987-11-24T03:56:28.230Z | 33.204 | -115.68 | 1.155 | 3.67 | ci735693 |
| 1987-11-24T03:43:55.180Z | 33.057 | -115.811 | 5.581 | 3.81 | ci735688 |
| 1987-11-24T03:37:47.460Z | 33.179 | -115.651 | 0.041 | 3.07 | ci735686 |
| 1987-11-24T03:29:40.890Z | 33.181 | -115.653 | 0.105 | 3.19 | ci735683 |
| 1987-11-24T03:24:13.840Z | 33.182 | -115.659 | 0.105 | 3.32 | ci735681 |
| 1987-11-24T03:23:24.730Z | 33.178 | -115.651 | 0.105 | 3.26 | ci134952 |
| 1987-11-24T03:21:10.310Z | 33.173 | -115.661 | 1.152 | 3.23 | ci735680 |
| 1987-11-24T03:14:16.770Z | 33.175 | -115.652 | 1.095 | 3.09 | ci627867 |
| 1987-11-24T03:13:31.740Z | 33.04 | -115.831 | 5.071 | 3.43 | ci138395 |
| 1987-11-24T02:59:59.940Z | 33.108 | -115.751 | 2.743 | 3.3 | ci138379 |
| 1987-11-24T02:53:00.740Z | 33.04 | -115.812 | 3.511 | 4.66 | ci627860 |
| 1987-11-24T02:45:32.920Z | 33.207 | -115.669 | 1.043 | 3.01 | ci138378 |
| 1987-11-24T02:44:29.790Z | 33.206 | -115.673 | 0.725 | 3.18 | ci627858 |
| 1987-11-24T02:43:02.180Z | 33.07 | -115.782 | 1.552 | 3.12 | ci627857 |
| 1987-11-24T02:25:52.570Z | 33.165 | -115.649 | 1.463 | 3.8 | ci627854 |
| 1987-11-24T02:16:47.090Z | 33.05 | -115.8 | 5.39 | 4.08 | ci135124 |
| 1987-11-24T02:15:23.170Z | 33.048 | -115.798 | 5.113 | 4.82 | ci134901 |
| 1987-11-24T02:14:35.450Z | 33.036 | -115.82 | 4.731 | 4.54 | ci735670 |
| 1987-11-24T02:11:35.830Z | 33.069 | -115.8 | -0.253 | 3.02 | ci735669 |
| 1987-11-24T02:07:15.720Z | 33.05 | -115.8 | 4.309 | 3.28 | ci135122 |
| 1987-11-24T02:06:45.130Z | 33.044 | -115.821 | 2.606 | 3.72 | ci134898 |
| 1987-11-24T02:05:51.950Z | 33.085 | -115.782 | 0.162 | 3.06 | ci134897 |
| 1987-11-24T02:05:19.800Z | 33.161 | -115.719 | 0.072 | 3.58 | ci134896 |
| 1987-11-24T02:01:47.290Z | 33.068 | -115.801 | 5.962 | 3.86 | ci134895 |
| 1987-11-24T01:59:50.110Z | 33.244 | -115.707 | 5.39 | 3.11 | ci139991 |
| 1987-11-24T01:58:53.470Z | 33.105 | -115.79 | 5.669 | 3.28 | ci735665 |

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|---|---|---|---|---|---|
| 1987-11-24T01:54:14.660Z | 33.09 | -115.792 | 10.853 | 6.2 | ci134894 |
| 1987-11-24T01:53:03.160Z | 33.072 | -115.782 | 4.259 | 4.03 | ci134849 |
| 1987-11-24T01:32:48.100Z | 33.067 | -115.781 | 3.992 | 4.18 | ci735661 |
| 1987-10-13T15:59:04.260Z | 33.959 | -117.213 | 13.517 | 3.53 | ci732742 |
| 1987-10-08T04:23:32.770Z | 33.981 | -116.656 | 5.667 | 3.31 | ci732381 |
| 1987-08-24T00:12:25.280Z | 33.98 | -116.974 | 14.634 | 3.24 | ci621557 |
| 1987-08-17T18:37:02.320Z | 34.297 | -116.929 | 1.67 | 3.26 | ci621074 |
| 1987-08-09T19:44:39.410Z | 33.866 | -116.175 | 3.865 | 3.24 | ci620484 |
| 1987-07-22T06:06:06.930Z | 33.866 | -116.175 | 2.244 | 3.1 | ci726623 |
| 1987-07-06T02:23:46.350Z | 33.978 | -116.65 | 5.977 | 3.37 | ci725536 |
| 1987-07-04T09:02:14.800Z | 33.534 | -116.972 | 10.173 | 3.05 | ci725427 |
| 1987-07-03T06:52:21.790Z | 33.857 | -116.181 | 0.886 | 3.18 | ci725345 |
| 1987-06-29T08:29:22.230Z | 33.861 | -116.187 | 4.186 | 3.1 | ci725038 |
| 1987-06-29T06:20:36.600Z | 33.859 | -116.188 | 4.116 | 3.15 | ci725028 |
| 1987-06-22T12:54:46.040Z | 33.864 | -116.184 | 3.745 | 3.01 | ci724479 |
| 1987-06-16T23:32:34.170Z | 33.959 | -116.571 | 4.647 | 3.28 | ci724125 |
| 1987-06-15T13:05:41.460Z | 34.086 | -116.491 | 4.452 | 3.4 | ci724025 |
| 1987-06-14T14:29:05.560Z | 33.274 | -115.683 | 1.796 | 3.33 | ci723973 |
| 1987-06-14T08:16:08.110Z | 33.862 | -116.18 | 3.475 | 3.76 | ci723940 |
| 1987-06-01T19:19:58.570Z | 33.866 | -116.177 | 4.065 | 3.39 | ci131949 |
| 1987-06-01T19:18:29.670Z | 33.864 | -116.176 | 4.025 | 3.44 | ci723217 |
| 1987-05-30T23:06:40.830Z | 33.865 | -116.177 | 3.955 | 3.32 | ci723104 |
| 1987-05-17T02:20:40.610Z | 33.561 | -116.676 | 10.12 | 3.02 | ci722248 |
| 1987-05-11T15:10:10.240Z | 34.311 | -116.918 | 3.867 | 4.12 | ci721973 |
| 1987-05-10T13:17:41.170Z | 34.284 | -116.379 | 9.147 | 3.28 | ci721934 |
| 1987-05-03T14:57:54.320Z | 33.786 | -115.898 | 9.982 | 3.06 | ci721556 |
| 1987-04-30T02:19:20.060Z | 33.501 | -116.59 | 10.933 | 3 | ci721405 |
| 1987-04-28T21:48:45.980Z | 34.026 | -116.727 | 9.546 | 3.09 | ci721343 |
| 1987-04-03T05:33:29.150Z | 34.033 | -117.268 | 11.298 | 3.2 | ci719892 |
| 1987-03-01T18:53:41.270Z | 33.905 | -116.769 | 17.206 | 3.1 | ci718087 |
| 1987-02-25T23:30:02.010Z | 33.23 | -116.061 | 8.805 | 3.74 | ci717809 |
| 1987-01-15T07:46:49.050Z | 34.017 | -116.761 | 9.524 | 3.13 | ci715906 |
| 1987-01-08T00:02:08.750Z | 33.183 | -115.64 | 0.655 | 3 | ci715569 |
| 1987-01-03T18:01:06.090Z | 33.504 | -116.476 | 6.132 | 3.67 | ci715379 |
| 1987-01-01T08:25:06.330Z | 34.038 | -116.643 | 11.477 | 3.43 | ci715307 |
| 1986-12-27T19:13:03.930Z | 33.517 | -116.539 | 11.222 | 3.26 | ci715113 |
| 1986-12-25T17:35:22.870Z | 32.99 | -116.288 | 7.387 | 3.7 | ci715002 |
| 1986-12-19T13:51:29.240Z | 33.705 | -116.808 | 16.65 | 3.01 | ci714735 |
| 1986-11-21T05:02:20.060Z | 33.256 | -116.077 | 1.855 | 3.12 | ci713408 |
| 1986-11-13T05:12:27.950Z | 33.957 | -116.731 | 10.825 | 3.02 | ci610653 |
| 1986-11-03T21:04:01.420Z | 33.874 | -116.855 | 11.936 | 3.17 | ci712271 |
| 1986-10-17T18:56:16.350Z | 34.37 | -116.39 | 1.795 | 3.53 | ci711160 |
| 1986-10-16T10:16:16.890Z | 33.972 | -116.569 | 8.466 | 3.14 | ci711050 |

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|---|---|---|---|---|---|
| 1986-10-15T02:28:47.760Z | 33.948 | -116.577 | 5.719 | 4 | ci710934 |
| 1986-10-10T15:23:02.920Z | 33.947 | -116.795 | 5.154 | 3.4 | ci710651 |
| 1986-09-29T14:00:26.580Z | 34.024 | -117.237 | 15.7 | 3.23 | ci608277 |
| 1986-09-28T07:06:26.740Z | 34.006 | -116.58 | 11.316 | 3.42 | ci709917 |
| 1986-09-25T04:59:48.100Z | 34.026 | -116.806 | 11.232 | 3.01 | ci608104 |
| 1986-09-18T09:05:10.890Z | 33.709 | -116.74 | 15.864 | 3.12 | ci607803 |
| 1986-09-10T15:51:52.390Z | 33.957 | -116.666 | 7.258 | 3.08 | ci607364 |
| 1986-09-09T16:22:50.610Z | 33.962 | -116.569 | 5.598 | 3.68 | ci607306 |
| 1986-08-29T07:46:54.480Z | 33.955 | -116.599 | 4.448 | 3.87 | ci606616 |
| 1986-08-28T17:10:33.200Z | 33.919 | -116.273 | 7.178 | 3 | ci606586 |
| 1986-08-28T16:32:14.620Z | 33.919 | -116.274 | 7.368 | 3.31 | ci708152 |
| 1986-08-28T08:10:12.000Z | 34.019 | -116.671 | 8.604 | 3.03 | ci606548 |
| 1986-08-18T00:53:42.600Z | 33.977 | -116.629 | 4.967 | 3.02 | ci605822 |
| 1986-08-06T12:37:37.600Z | 33.986 | -116.66 | 6.247 | 3.06 | ci604754 |
| 1986-08-02T11:36:57.650Z | 34.041 | -116.696 | 11.502 | 3.56 | ci604316 |
| 1986-07-31T07:51:42.910Z | 33.965 | -116.573 | 4.455 | 3.52 | ci127475 |
| 1986-07-31T04:50:14.220Z | 34.009 | -116.628 | 8.505 | 3.14 | ci604057 |
| 1986-07-29T12:03:19.390Z | 33.961 | -116.573 | 2.694 | 3.12 | ci704942 |
| 1986-07-29T06:43:50.290Z | 33.963 | -116.591 | 4.372 | 3.27 | ci603881 |
| 1986-07-26T02:43:37.770Z | 33.989 | -116.651 | 5.254 | 3.01 | ci704556 |
| 1986-07-25T11:39:09.650Z | 33.992 | -116.569 | 8.278 | 3.06 | ci704481 |
| 1986-07-24T01:58:23.160Z | 33.969 | -116.556 | 6.667 | 3.37 | ci603293 |
| 1986-07-18T19:58:01.850Z | 33.967 | -116.569 | 5.456 | 3.37 | ci602337 |
| 1986-07-17T23:51:11.390Z | 33.995 | -116.647 | 6.358 | 3.19 | ci703010 |
| 1986-07-17T21:54:45.140Z | 33.993 | -116.647 | 6.378 | 4.43 | ci702997 |
| 1986-07-17T20:35:14.970Z | 33.989 | -116.647 | 5.768 | 4.46 | ci702983 |
| 1986-07-17T03:22:45.320Z | 33.998 | -116.624 | 8.728 | 3.21 | ci702873 |
| 1986-07-15T18:32:14.520Z | 33.98 | -116.638 | 5.678 | 3.16 | ci601917 |
| 1986-07-15T03:17:40.290Z | 34.003 | -116.893 | 11.93 | 3.06 | ci601835 |
| 1986-07-14T01:43:30.580Z | 34.001 | -116.589 | 10.188 | 3.25 | ci128316 |
| 1986-07-13T17:39:35.700Z | 33.972 | -116.569 | 7.278 | 3.08 | ci127307 |
| 1986-07-13T01:41:38.230Z | 33.952 | -116.613 | 10.728 | 3.73 | ci702132 |
| 1986-07-12T17:28:30.650Z | 34.032 | -116.673 | 9.674 | 3.34 | ci702070 |
| 1986-07-12T17:15:37.790Z | 34.083 | -116.534 | 3.041 | 3.02 | ci702069 |
| 1986-07-12T09:51:56.990Z | 33.969 | -116.567 | 7.878 | 3.09 | ci702011 |
| 1986-07-12T05:45:27.510Z | 33.986 | -116.652 | 5.748 | 4.05 | ci701985 |
| 1986-07-11T18:12:31.510Z | 34.025 | -116.671 | 9.034 | 3.04 | ci701903 |
| 1986-07-11T15:59:51.900Z | 34.015 | -116.617 | 10.538 | 3.23 | ci701880 |
| 1986-07-11T15:33:03.830Z | 33.981 | -116.588 | 12.268 | 3.13 | ci701876 |
| 1986-07-11T15:13:30.600Z | 34.029 | -116.653 | 10.384 | 3.31 | ci701874 |
| 1986-07-11T08:51:28.740Z | 33.967 | -116.576 | 6.178 | 3.36 | ci701834 |
| 1986-07-11T07:48:13.990Z | 33.997 | -116.572 | 10.798 | 3.1 | ci701824 |
| 1986-07-10T23:47:22.070Z | 33.97 | -116.552 | 7.988 | 3.08 | ci701756 |

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|---|---|---|---|---|---|
| 1986-07-10T12:02:50.930Z | 33.962 | -116.593 | 11.508 | 3.36 | ci701632 |
| 1986-07-10T09:42:10.740Z | 33.984 | -116.636 | 0.698 | 3.06 | ci701609 |
| 1986-07-09T11:32:21.080Z | 33.975 | -116.565 | 8.318 | 3.57 | ci127268 |
| 1986-07-09T09:41:21.050Z | 33.972 | -116.574 | 7.468 | 3.71 | ci701320 |
| 1986-07-09T09:36:36.590Z | 34.001 | -116.573 | 10.108 | 3.25 | ci701319 |
| 1986-07-09T00:12:32.140Z | 33.976 | -116.567 | 7.818 | 4.11 | ci701181 |
| 1986-07-08T21:53:03.060Z | 34.013 | -116.588 | 10.438 | 3.24 | ci600627 |
| 1986-07-08T19:36:20.080Z | 34.016 | -116.615 | 10.798 | 4.07 | ci701105 |
| 1986-07-08T18:55:56.580Z | 33.971 | -116.571 | 7.608 | 3.28 | ci127467 |
| 1986-07-08T18:20:07.790Z | 34.032 | -116.644 | 10.414 | 3.05 | ci701081 |
| 1986-07-08T18:04:14.460Z | 33.968 | -116.556 | 8.208 | 3.52 | ci701078 |
| 1986-07-08T17:34:16.550Z | 33.966 | -116.564 | 7.528 | 3 | ci701064 |
| 1986-07-08T16:39:44.080Z | 33.993 | -116.583 | 11.438 | 3.68 | ci701050 |
| 1986-07-08T15:58:07.330Z | 33.981 | -116.616 | 7.618 | 3.05 | ci701033 |
| 1986-07-08T15:55:19.800Z | 34.038 | -116.685 | 10.025 | 3.89 | ci701032 |
| 1986-07-08T15:42:22.330Z | 34.006 | -116.603 | 9.858 | 3.37 | ci701028 |
| 1986-07-08T14:48:32.000Z | 34.017 | -116.61 | 11.99 | 3.48 | ci748658 |
| 1986-07-08T14:21:16.250Z | 33.98 | -116.56 | 8.968 | 3.16 | ci600500 |
| 1986-07-08T13:55:34.540Z | 34.036 | -116.623 | 11.798 | 3.15 | ci701014 |
| 1986-07-08T13:52:53.240Z | 33.999 | -116.611 | 9.688 | 3.05 | ci701013 |
| 1986-07-08T13:41:49.330Z | 34.025 | -116.669 | 9.695 | 3.01 | ci127422 |
| 1986-07-08T12:12:42.570Z | 34.024 | -116.647 | 10.478 | 3.01 | ci127402 |
| 1986-07-08T12:03:38.280Z | 33.963 | -116.57 | 6.308 | 3.43 | ci700976 |
| 1986-07-08T11:50:40.990Z | 34.003 | -116.624 | 16.567 | 3.11 | ci748550 |
| 1986-07-08T11:24:58.410Z | 34.02 | -116.618 | 10.238 | 3.5 | ci700964 |
| 1986-07-08T10:39:00.930Z | 33.981 | -116.57 | 8.608 | 3.08 | ci700944 |
| 1986-07-08T10:34:14.510Z | 34.025 | -116.674 | 9.655 | 3.57 | ci700942 |
| 1986-07-08T10:27:43.740Z | 34.03 | -116.678 | 9.163 | 3.19 | ci127348 |
| 1986-07-08T10:22:39.440Z | 34.028 | -116.627 | 9.847 | 4.3 | ci748481 |
| 1986-07-08T10:14:41.840Z | 34.035 | -116.644 | 10.184 | 3.28 | ci700936 |
| 1986-07-08T10:12:39.290Z | 33.978 | -116.554 | 16.483 | 3.06 | ci748472 |
| 1986-07-08T10:12:30.770Z | 33.955 | -116.51 | 10.876 | 3.04 | ci748471 |
| 1986-07-08T10:11:00.170Z | 34.023 | -116.67 | 2.835 | 3.96 | ci700935 |
| 1986-07-08T10:09:02.900Z | 33.977 | -116.579 | 7.188 | 4.29 | ci700934 |
| 1986-07-08T10:07:45.540Z | 34.025 | -116.669 | 9.325 | 3.08 | ci127344 |
| 1986-07-08T10:04:52.940Z | 33.96 | -116.581 | 4.308 | 3.71 | ci700932 |
| 1986-07-08T09:53:23.820Z | 33.987 | -116.568 | 11.558 | 3.46 | ci127341 |
| 1986-07-08T09:51:34.330Z | 33.982 | -116.575 | 1.488 | 3.35 | ci700926 |
| 1986-07-08T09:50:55.410Z | 34.047 | -116.684 | 5.121 | 3.09 | ci700925 |
| 1986-07-08T09:49:49.740Z | 33.997 | -116.561 | 8.568 | 3.72 | ci127340 |
| 1986-07-08T09:46:15.330Z | 34.034 | -116.641 | 9.124 | 3.37 | ci127339 |
| 1986-07-08T09:44:18.360Z | 33.969 | -116.567 | 9.915 | 3.1 | ci748436 |
| 1986-07-08T09:42:56.490Z | 33.987 | -116.639 | 4.626 | 3.45 | ci600400 |

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|---|---|---|---|---|---|
| 1986-07-08T09:39:41.990Z | 34.023 | -116.622 | 13.883 | 3.19 | ci127335 |
| 1986-07-08T09:34:14.770Z | 34.045 | -116.646 | 14.329 | 3.04 | ci748423 |
| 1986-07-08T09:30:41.770Z | 34.03 | -116.682 | 14.079 | 3.32 | ci748415 |
| 1986-07-08T09:30:22.480Z | 34.023 | -116.686 | 10.55 | 3.55 | ci748414 |
| 1986-07-08T09:29:58.970Z | 34.04 | -116.634 | 15.942 | 3.35 | ci748413 |
| 1986-07-08T09:29:54.110Z | 33.959 | -116.638 | 14.673 | 3.19 | ci748412 |
| 1986-07-08T09:29:40.960Z | 34.004 | -116.61 | 12.18 | 3.28 | ci748411 |
| 1986-07-08T09:28:42.390Z | 34.033 | -116.685 | 14.279 | 3.08 | ci748409 |
| 1986-07-08T09:28:13.750Z | 33.95 | -116.533 | 16.668 | 3.96 | ci127338 |
| 1986-07-08T09:27:09.260Z | 33.971 | -116.554 | 12.87 | 3.5 | ci748407 |
| 1986-07-08T09:26:33.770Z | 34.006 | -116.778 | 13.14 | 3.08 | ci748405 |
| 1986-07-08T09:26:22.790Z | 34.031 | -116.645 | 12.819 | 3.11 | ci748404 |
| 1986-07-08T09:24:12.790Z | 34.032 | -116.654 | 7.846 | 4.2 | ci700919 |
| 1986-07-08T09:20:44.560Z | 33.999 | -116.608 | 9.468 | 6 | ci700917 |
| 1986-06-18T14:13:26.400Z | 33.935 | -116.742 | 16.504 | 3.38 | ci700051 |
| 1986-06-03T14:14:49.270Z | 33.789 | -116.344 | 9.85 | 3.74 | ci125717 |
| 1986-05-31T01:42:40.100Z | 34.105 | -116.611 | 8.888 | 3.48 | ci125748 |
| 1986-05-07T12:34:09.020Z | 34.196 | -117.061 | 10.396 | 3.06 | ci123849 |
| 1986-04-25T19:09:27.050Z | 33.172 | -115.65 | 0.728 | 3.23 | ci122912 |
| 1986-04-05T17:21:49.520Z | 33.336 | -115.709 | 3.144 | 3.53 | ci121045 |
| 1986-03-17T00:43:24.610Z | 33.62 | -116.978 | 12.652 | 3.24 | ci119103 |
| 1986-02-17T02:12:33.480Z | 34.116 | -116.03 | 10.585 | 3.94 | ci116008 |
| 1986-01-14T13:12:14.080Z | 33.915 | -116.7 | 12.526 | 3.3 | ci113515 |
| 1985-12-01T17:35:18.310Z | 34.156 | -117.323 | 5.165 | 3.21 | ci124857 |
| 1985-11-18T06:31:44.340Z | 33.469 | -116.39 | 5.854 | 3.08 | ci131965 |
| 1985-10-02T23:44:12.450Z | 34.023 | -117.245 | 14.698 | 4.58 | ci107945 |
| 1985-09-07T19:24:37.650Z | 33.681 | -116.734 | 15.755 | 3.03 | ci116691 |
| 1985-09-05T14:33:49.000Z | 33.971 | -116.958 | 13.894 | 3.14 | ci116335 |
| 1985-08-29T07:59:08.690Z | 34.322 | -116.815 | 4.334 | 3.93 | ci113567 |
| 1985-08-19T22:40:23.630Z | 34.553 | -116.794 | 4.571 | 3.31 | ci110022 |
| 1985-08-05T16:08:10.150Z | 33.988 | -116.824 | 17.502 | 3.12 | ci108588 |
| 1985-07-18T14:05:25.780Z | 34.422 | -116.542 | 4.512 | 4.02 | ci70912 |
| 1985-07-16T17:57:50.970Z | 34.543 | -116.842 | -1.554 | 3.78 | ci68278 |
| 1985-06-29T18:23:50.930Z | 33.477 | -116.558 | 11.745 | 3.36 | ci69222 |
| 1985-06-21T00:50:59.240Z | 33.989 | -117.172 | 13.554 | 3.54 | ci68681 |
| 1985-06-10T12:50:20.780Z | 33.689 | -117.384 | 6.68 | 3.03 | ci68080 |
| 1985-06-10T00:58:01.590Z | 34.207 | -116.82 | 8.903 | 3.29 | ci68036 |
| 1985-06-05T18:10:05.590Z | 33.342 | -116.328 | 11.127 | 3.63 | ci67773 |
| 1985-06-03T06:53:27.530Z | 33.04 | -115.973 | 4.516 | 3.3 | ci67614 |
| 1985-06-03T02:05:30.480Z | 34 | -116.098 | 7.725 | 3.21 | ci67587 |
| 1985-05-25T15:50:45.430Z | 33.953 | -116.648 | 12.283 | 3.28 | ci67812 |
| 1985-05-14T17:35:36.360Z | 33.523 | -116.801 | 0.025 | 3.71 | ci66386 |
| 1985-05-12T13:57:43.390Z | 33.451 | -116.516 | 9.855 | 3.12 | ci66142 |

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|---|---|---|---|---|---|
| 1985-05-11T01:23:18.180Z | 34.024 | -117.242 | 15.328 | 3 | ci66044 |
| 1985-04-28T22:23:53.750Z | 34.016 | -117.044 | 10.612 | 3.19 | ci65240 |
| 1985-03-20T03:52:29.840Z | 33.05 | -116.399 | 5.173 | 3.3 | ci62905 |
| 1985-03-13T17:19:26.300Z | 33.204 | -116.06 | 1.88 | 3.07 | ci60692 |
| 1985-02-28T04:42:08.520Z | 33.96 | -116.293 | 9.175 | 3.56 | ci61738 |
| 1985-02-21T07:54:42.570Z | 33.48 | -116.418 | 6.918 | 3.1 | ci61355 |
| 1985-02-19T16:37:14.730Z | 34.035 | -116.771 | 11.109 | 3.19 | ci61218 |
| 1985-02-19T05:09:35.270Z | 34.159 | -116.982 | 8.294 | 3.23 | ci61197 |
| 1985-02-18T13:53:43.290Z | 33.02 | -116.352 | 5.556 | 3.21 | ci61165 |
| 1985-02-16T00:42:39.820Z | 33.993 | -116.398 | -0.287 | 3.21 | ci60954 |
| 1985-02-15T23:26:26.570Z | 33.985 | -116.402 | 1.493 | 3.89 | ci60919 |
| 1985-02-11T13:58:05.950Z | 32.951 | -116.429 | 5.163 | 3.26 | ci60740 |
| 1985-02-10T13:59:06.060Z | 33.876 | -116.276 | 0.953 | 3.52 | ci60547 |
| 1985-01-25T13:50:12.830Z | 33.929 | -117.088 | 13.224 | 3.37 | ci59479 |
| 1985-01-25T05:28:29.950Z | 33.991 | -116.4 | 1.963 | 3.38 | ci59463 |
| 1985-01-24T23:25:32.290Z | 33.996 | -116.399 | 1.243 | 3.48 | ci59447 |
| 1985-01-22T11:38:52.810Z | 33.983 | -116.783 | 15.722 | 3.14 | ci59267 |
| 1985-01-21T14:05:37.080Z | 33.993 | -116.391 | 1.664 | 3.14 | ci59130 |
| 1985-01-21T13:58:21.270Z | 33.992 | -116.39 | 2.065 | 3 | ci59137 |
| 1985-01-21T13:32:13.030Z | 33.991 | -116.398 | 2.054 | 3.1 | ci59123 |
| 1985-01-19T03:24:12.650Z | 33.994 | -116.394 | 1.793 | 3.41 | ci58848 |
| 1985-01-19T00:30:15.080Z | 33.992 | -116.398 | 1.783 | 3.72 | ci58825 |
| 1985-01-18T17:24:43.010Z | 33.865 | -115.978 | 9.645 | 3.1 | ci58866 |
| 1985-01-02T05:24:58.220Z | 34.046 | -116.529 | 7.732 | 3.77 | ci55737 |
| 1984-11-27T13:16:09.970Z | 33.355 | -116.338 | 12.837 | 3.03 | ci55162 |
| 1984-11-24T04:02:19.540Z | 34.382 | -116.611 | 1.201 | 3.36 | ci54748 |
| 1984-11-18T05:50:44.840Z | 34.124 | -117.386 | 8.915 | 3.08 | ci54283 |
| 1984-11-08T16:54:43.050Z | 34.304 | -116.501 | 4.544 | 3 | ci53833 |
| 1984-10-27T20:22:06.570Z | 33.28 | -115.702 | 1.384 | 3.04 | ci53194 |
| 1984-10-25T07:59:34.470Z | 34.032 | -116.848 | 16.822 | 3.08 | ci53037 |
| 1984-10-24T06:36:31.220Z | 33.137 | -116.505 | 8.011 | 3.07 | ci52997 |
| 1984-10-16T22:18:50.040Z | 33.815 | -117.031 | 13.557 | 3.31 | ci52618 |
| 1984-10-10T21:22:58.860Z | 33.138 | -116.501 | 10.841 | 4.5 | ci51982 |
| 1984-10-05T07:37:14.140Z | 33.666 | -116.703 | 17.31 | 3.92 | ci51703 |
| 1984-09-30T09:23:16.100Z | 33.468 | -116.588 | 10.395 | 3.07 | ci51466 |
| 1984-09-11T12:48:35.550Z | 33.485 | -116.421 | 8.377 | 3.13 | ci50352 |
| 1984-09-07T17:57:30.290Z | 33.46 | -116.37 | 14.048 | 4.07 | ci512856 |
| 1984-09-06T10:04:33.540Z | 33.997 | -117.033 | 4.698 | 3.12 | ci512776 |
| 1984-08-06T08:14:36.600Z | 33.976 | -116.713 | 13.254 | 4.21 | ci46741 |
| 1984-07-27T19:42:07.760Z | 34.262 | -116.15 | 5.307 | 3.5 | ci46108 |
| 1984-07-25T18:43:23.040Z | 34.051 | -116.729 | 2.079 | 3.31 | ci45749 |
| 1984-07-17T17:27:25.230Z | 33.116 | -116.405 | 7.161 | 3.11 | ci45415 |
| 1984-07-12T12:17:42.210Z | 33.474 | -116.395 | 9.001 | 3.15 | ci45509 |

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|---|---|---|---|---|---|
| 1984-07-09T19:32:29.500Z | 33.532 | -116.8 | -0.198 | 3.02 | ci46444 |
| 1984-07-09T19:20:15.810Z | 33.528 | -116.799 | 4.546 | 3.3 | ci44713 |
| 1984-07-09T19:09:29.380Z | 33.536 | -116.8 | -1.318 | 3.3 | ci44744 |
| 1984-07-04T13:00:50.300Z | 33.957 | -117.203 | 12.247 | 3.36 | ci44120 |
| 1984-07-02T21:08:08.340Z | 34.307 | -116.483 | 0.548 | 3.15 | ci43932 |
| 1984-06-30T06:34:14.560Z | 34.38 | -116.614 | -0.149 | 3.47 | ci43771 |
| 1984-06-24T21:57:29.900Z | 33.955 | -116.338 | 5.753 | 3.51 | ci43123 |
| 1984-06-21T22:18:48.160Z | 33.458 | -116.564 | 12.875 | 3.07 | ci43043 |
| 1984-06-11T22:21:10.410Z | 34.382 | -116.612 | -0.029 | 3.94 | ci41113 |
| 1984-06-10T20:19:07.480Z | 33.824 | -116.176 | 4.993 | 3.05 | ci42036 |
| 1984-06-08T02:43:02.390Z | 33.3 | -115.702 | 1.934 | 3.17 | ci41844 |
| 1984-06-07T22:00:13.500Z | 33.3 | -115.701 | 1.714 | 3 | ci40699 |
| 1984-05-03T09:47:45.080Z | 34.329 | -116.401 | 1.528 | 3.27 | ci38606 |
| 1984-04-01T07:17:02.360Z | 33.109 | -116.404 | 10.443 | 3.93 | ci35439 |
| 1984-03-16T19:53:21.290Z | 33.703 | -116.737 | 17.939 | 3.03 | ci33845 |
| 1984-03-07T03:32:36.680Z | 34.569 | -115.917 | 4.81 | 3 | ci33440 |
| 1984-02-29T02:07:31.710Z | 33.136 | -116.071 | 6.496 | 4.23 | ci32665 |
| 1984-02-28T06:08:59.290Z | 34.398 | -116.825 | 6.234 | 3.35 | ci32594 |
| 1984-02-23T17:34:23.290Z | 33.89 | -116.153 | 4.513 | 3.67 | ci32210 |
| 1984-02-02T21:47:56.540Z | 33.893 | -116.847 | 15.839 | 3.14 | ci30778 |
| 1984-02-01T06:39:33.300Z | 33.532 | -116.8 | -1.663 | 3.09 | ci30676 |
| 1984-01-15T17:54:20.330Z | 34.328 | -116.4606667 | 1.334 | 3.05 | ci29353 |
| 1984-01-13T09:41:41.340Z | 34.0505 | -117.2526667 | 14.257 | 3.31 | ci29176 |
| 1983-12-31T02:09:11.430Z | 33.062 | -116.192 | 6.206 | 3.13 | ci28176 |
| 1983-12-29T19:46:16.830Z | 34.1716667 | -117.3556667 | 6.501 | 3.58 | ci28325 |
| 1983-12-27T21:34:37.680Z | 33.778 | -116.124 | 1.397 | 3.16 | ci27924 |
| 1983-12-20T01:15:04.280Z | 32.944 | -116.2746667 | 2.917 | 3.47 | ci27415 |
| 1983-12-13T01:40:23.380Z | 33.89 | -116.147 | 2.674 | 3.46 | ci27166 |
| 1983-12-07T15:19:03.350Z | 33.059 | -116.187 | 6.796 | 3.12 | ci26659 |
| 1983-12-06T23:22:09.560Z | 33.06 | -116.187 | 3.086 | 3.12 | ci26550 |
| 1983-12-06T09:10:48.700Z | 33.059 | -116.188 | 8.896 | 3.14 | ci26775 |
| 1983-11-18T09:55:37.530Z | 34.004 | -117.209 | 14.427 | 3.06 | ci22637 |
| 1983-10-29T06:38:02.610Z | 33.9893333 | -116.6003333 | 13.097 | 3.44 | ci23341 |
| 1983-10-07T10:40:24.850Z | 33.972 | -116.9628333 | 15.158 | 3.11 | ci17555 |
| 1983-09-20T00:08:51.750Z | 33.0521667 | -116.1971667 | 11.085 | 3.41 | ci14807 |
| 1983-09-12T12:08:02.740Z | 34.049 | -117.256 | 13.929 | 3.69 | ci21566 |
| 1983-08-02T22:21:16.660Z | 33.5315 | -116.4505 | 8.212 | 3.16 | ci13581 |
| 1983-07-04T07:03:20.840Z | 33.4358333 | -116.4186667 | 11.915 | 3.82 | ci2218571 |
| 1983-07-03T10:19:18.980Z | 32.9246667 | -116.2433333 | 17.004 | 3.18 | ci2218481 |
| 1983-06-13T17:39:24.950Z | 34.188 | -115.9148333 | 6.944 | 3.05 | ci2217154 |
| 1983-05-27T11:25:18.360Z | 33.6235 | -116.7323333 | 16.163 | 3.57 | ci1108600 |
| 1983-05-26T16:30:20.900Z | 33.4723333 | -116.4765 | 14.105 | 3.73 | ci1108591 |
| 1983-05-24T07:03:32.650Z | 33.7798333 | -116.0441667 | 4.262 | 3.06 | ci1108414 |

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|---|---|---|---|---|---|
| 1983-05-19T11:05:27.290Z | 33.5066667 | -116.6756667 | 14.47 | 3.12 | ci1108065 |
| 1983-05-08T00:05:01.800Z | 33.9343333 | -117.0028333 | 18.696 | 3.3 | ci1106966 |
| 1983-05-01T03:45:26.310Z | 33.2248333 | -116.0705 | 8.762 | 3.26 | ci12327403 |
| 1983-04-23T06:10:22.730Z | 33.296 | -116.9655 | 10.151 | 3.04 | ci12327047 |
| 1983-04-16T22:35:25.110Z | 34.0343333 | -116.4031667 | 7.938 | 3.31 | ci1105113 |
| 1983-02-04T16:19:15.000Z | 32.8908333 | -116.4856667 | 13.818 | 3.38 | ci500479 |
| 1983-01-22T19:13:20.510Z | 33.3365 | -116.9591667 | 2.318 | 3.24 | ci502779 |
| 1983-01-16T20:07:39.530Z | 34.422 | -116.009 | 5.026 | 3 | ci502438 |
| 1983-01-15T23:37:09.200Z | 33.3465 | -116.2761667 | 13.472 | 3.13 | ci502384 |
| 1983-01-04T18:58:25.710Z | 33.7621667 | -115.9408333 | 1.019 | 3.25 | ci501391 |
| 1983-01-02T22:09:57.990Z | 33.7618333 | -115.9436667 | 0.979 | 3.07 | ci501102 |
| 1982-12-22T12:46:59.950Z | 33.462 | -116.572 | 9.665 | 3.18 | ci512377 |
| 1982-11-10T11:21:25.600Z | 34.058 | -116.667 | 9.942 | 4.09 | ci510043 |
| 1982-10-11T14:34:35.940Z | 33.334 | -116.311 | 11.877 | 3.15 | ci508739 |
| 1982-08-26T22:28:03.020Z | 33.264 | -115.986 | 3.8 | 3.48 | ci506994 |
| 1982-08-21T10:20:42.470Z | 33.251 | -116.424 | 3.321 | 3.33 | ci506776 |
| 1982-08-14T04:51:29.310Z | 33.346 | -116.342 | 11.692 | 3.01 | ci506512 |
| 1982-08-05T04:02:19.780Z | 33.26 | -116.423 | 0.591 | 3.45 | ci506157 |
| 1982-08-03T16:38:05.290Z | 33.254 | -116.429 | 2.481 | 3.62 | ci506090 |
| 1982-07-12T01:06:26.160Z | 34.11 | -116.396 | 2.096 | 3.3 | ci505192 |
| 1982-07-07T08:44:33.640Z | 34.152 | -116.701 | 10.459 | 3.46 | ci505030 |
| 1982-06-27T16:14:59.990Z | 33.479 | -116.463 | 12.429 | 3.13 | ci504600 |
| 1982-06-27T11:21:33.430Z | 32.95 | -116.446 | 5.128 | 3.2 | ci504589 |
| 1982-06-26T23:28:52.400Z | 33.476 | -116.561 | 10.405 | 3.12 | ci504570 |
| 1982-06-16T22:36:59.180Z | 33.472 | -116.585 | 7.805 | 3.22 | ci532838 |
| 1982-06-16T11:20:18.380Z | 33.542 | -116.668 | 10.14 | 3.18 | ci532755 |
| 1982-06-16T03:16:06.250Z | 33.913 | -117.045 | 10.689 | 3.1 | ci532713 |
| 1982-06-16T00:14:52.310Z | 33.546 | -116.675 | 11.38 | 3.39 | ci532545 |
| 1982-06-16T00:03:55.730Z | 33.544 | -116.673 | 9.89 | 3.04 | ci532534 |
| 1982-06-16T00:03:01.960Z | 33.574 | -116.663 | 7.712 | 4.19 | ci532532 |
| 1982-06-15T23:56:05.210Z | 33.551 | -116.677 | 7.673 | 3.01 | ci532523 |
| 1982-06-15T23:49:21.280Z | 33.549 | -116.677 | 11.473 | 4.81 | ci532392 |
| 1982-06-09T03:27:09.190Z | 33.945 | -116.886 | 12.812 | 3.09 | ci532282 |
| 1982-06-02T21:10:15.800Z | 33.266 | -115.632 | 6.735 | 3.32 | ci532003 |
| 1982-06-02T17:12:28.860Z | 33.669 | -116.766 | 4.903 | 3.19 | ci531988 |
| 1982-04-15T08:53:50.360Z | 33.8 | -116.961 | 13.494 | 3.02 | ci528751 |
| 1982-03-29T23:29:41.500Z | 34.115 | -116.387 | 1.147 | 3.22 | ci527946 |
| 1982-03-22T23:26:23.910Z | 33.059 | -116.203 | 6.833 | 3.15 | ci527627 |
| 1982-03-22T09:00:40.030Z | 33.24 | -116.169 | 12.484 | 4.07 | ci527602 |
| 1982-03-22T08:53:28.500Z | 33.052 | -116.204 | 12.168 | 4.48 | ci527598 |
| 1982-03-05T15:22:40.430Z | 33.022 | -116.526 | 13.658 | 3.12 | ci106784 |
| 1982-03-04T04:36:23.830Z | 33.166 | -116.102 | 11 | 3.14 | ci106739 |
| 1982-02-28T12:31:53.870Z | 34.17 | -116.972 | 4.984 | 3.15 | ci106518 |

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|---|---|---|---|---|---|
| 1982-02-25T05:19:42.200Z | 34.113 | -116.392 | 2.166 | 3.87 | ci106374 |
| 1982-02-23T00:56:37.330Z | 34.104 | -117.323 | 19.865 | 3.61 | ci106302 |
| 1982-02-22T14:06:08.210Z | 34.114 | -116.39 | 1.666 | 3.02 | ci106238 |
| 1982-02-19T13:44:10.160Z | 33.465 | -116.894 | 7.453 | 3.01 | ci106106 |
| 1982-02-16T19:10:51.130Z | 34.114 | -117.329 | 16.935 | 3.12 | ci105911 |
| 1982-02-02T05:40:56.540Z | 33.468 | -116.449 | 5.357 | 3.09 | ci105305 |
| 1982-01-25T23:47:03.320Z | 33.235 | -116.078 | 8.495 | 3.03 | ci105000 |
| 1981-12-24T02:22:07.760Z | 34.0083333 | -116.7725 | 17.729 | 3.08 | ci103846 |
| 1981-10-21T05:37:44.780Z | 33.4955 | -116.7726667 | 5.816 | 3.33 | ci525902 |
| 1981-10-17T19:54:35.010Z | 33.2318333 | -116.0631667 | 5.235 | 3.08 | ci525724 |
| 1981-10-17T19:47:21.610Z | 33.2286667 | -116.0526667 | 15.115 | 3.72 | ci525721 |
| 1981-10-13T20:14:03.000Z | 34.0316667 | -116.1346667 | 9.059 | 3.48 | ci525470 |
| 1981-09-28T10:57:39.610Z | 33.4468333 | -117.1096667 | 7.29 | 3.3 | ci523694 |
| 1981-09-25T14:13:38.020Z | 34.013 | -116.8426667 | 20.502 | 3.28 | ci523549 |
| 1981-09-12T21:23:07.550Z | 34.1585 | -117.2676667 | 8.007 | 3.52 | ci522915 |
| 1981-09-04T00:39:25.320Z | 33.1331667 | -116.5473333 | 17.821 | 3.67 | ci522243 |
| 1981-09-04T00:28:53.110Z | 33.1345 | -116.5455 | 18.271 | 3.99 | ci522231 |
| 1981-08-28T01:42:01.750Z | 33.2878333 | -115.6843333 | 11.656 | 3.24 | ci521808 |
| 1981-07-29T21:28:08.100Z | 33.1306667 | -116.503 | 10.134 | 3.41 | ci520252 |
| 1981-07-18T12:48:16.170Z | 33.5506667 | -116.6811667 | 6.972 | 3.08 | ci519470 |
| 1981-07-05T00:31:16.250Z | 33.6648333 | -117.378 | 11.176 | 3.21 | ci518873 |
| 1981-06-22T07:31:46.070Z | 33.2383333 | -115.9618333 | 4.776 | 3.12 | ci518140 |
| 1981-06-16T12:16:19.140Z | 33.862 | -116.256 | 1.767 | 3.14 | ci517809 |
| 1981-06-12T11:02:46.430Z | 33.2476667 | -115.973 | 4.546 | 3.56 | ci517532 |
| 1981-06-04T14:26:35.400Z | 33.6498333 | -117.3781667 | 11.576 | 3.14 | ci517124 |
| 1981-06-04T11:51:32.980Z | 33.6503333 | -117.3761667 | 13.546 | 3.59 | ci517119 |
| 1981-05-02T21:50:20.600Z | 32.931 | -116.277 | 11.517 | 3.33 | ci515236 |
| 1981-04-30T20:09:46.050Z | 33.501 | -116.4965 | 13.569 | 3.38 | ci515048 |
| 1981-04-26T17:42:26.350Z | 33.1706667 | -115.625 | 12.844 | 3.48 | ci514924 |
| 1981-04-20T01:37:42.060Z | 33.3505 | -116.7008333 | 11.531 | 3.48 | ci514628 |
| 1981-04-07T06:23:28.250Z | 32.9281667 | -116.3165 | 13.982 | 3.12 | ci515732 |
| 1981-04-01T02:05:14.460Z | 33.576 | -116.816 | 10.954 | 3.35 | ci513877 |
| 1981-03-18T06:07:11.920Z | 34.0778333 | -117.0133333 | 10.324 | 3.73 | ci12262151 |
| 1981-02-21T22:56:16.580Z | 33.6545 | -116.7633333 | 11.32 | 3.39 | ci3317178 |
| 1981-02-21T15:09:51.820Z | 33.5035 | -116.4498333 | 5.303 | 3.12 | ci3317155 |
| 1981-02-01T19:27:07.920Z | 33.4886667 | -116.7825 | 0.666 | 3.17 | ci3302058 |
| 1981-02-01T11:48:22.080Z | 33.4993333 | -116.7825 | 2.406 | 3 | ci12253931 |
| 1981-02-01T11:30:07.160Z | 33.4873333 | -116.7691667 | 6.112 | 3.59 | ci3302056 |
| 1981-01-26T05:23:02.400Z | 33.8145 | -116.1856667 | -0.391 | 3 | ci3316317 |
| 1981-01-18T20:19:55.770Z | 33.489 | -116.7673333 | 7.522 | 3.01 | ci3315954 |
| 1981-01-13T23:00:31.430Z | 33.8831667 | -115.5226667 | -0.072 | 3 | ci3315712 |
| 1980-12-13T14:15:47.320Z | 34.484 | -116.2956667 | 1.31 | 3.71 | ci9741690 |
| 1980-12-13T06:48:12.730Z | 33.503 | -116.455 | 9.65 | 3.02 | ci3300898 |

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|---|---|---|---|---|---|
| 1980-12-02T12:28:00.080Z | 33.2416667 | -115.9503333 | 12.6 | 3.13 | ci9741094 |
| 1980-12-01T14:30:41.240Z | 34.1513333 | -116.7158333 | 4.58 | 3.15 | ci3300576 |
| 1980-11-18T20:21:41.890Z | 34.2126667 | -116.4366667 | 1.73 | 3.12 | ci3299612 |
| 1980-11-17T20:52:50.270Z | 33.24 | -115.9341667 | 15 | 3.16 | ci9740090 |
| 1980-11-09T05:48:21.330Z | 34.2121667 | -116.4428333 | 3.07 | 3.4 | ci3299464 |
| 1980-11-05T21:58:23.830Z | 33.8911667 | -115.5486667 | 0.77 | 3 | ci3299361 |
| 1980-11-02T09:42:04.420Z | 34.0943333 | -117.2043333 | 5.08 | 3.12 | ci9739146 |
| 1980-10-29T22:16:46.790Z | 33.6761667 | -117.3425 | 1.29 | 3.13 | ci3305725 |
| 1980-10-29T12:30:28.550Z | 33.9841667 | -116.9783333 | 13.65 | 3 | ci9738838 |
| 1980-10-24T23:30:21.800Z | 34.3958333 | -116.472 | 1.11 | 3.15 | ci9738590 |
| 1980-10-19T22:59:52.540Z | 34.362 | -116.7005 | 3.13 | 3.2 | ci3298854 |
| 1980-10-18T03:54:30.440Z | 34.3636667 | -116.7056667 | 0.09 | 3.28 | ci9738114 |
| 1980-09-17T02:33:32.090Z | 33.4175 | -116.686 | 13.72 | 3.23 | ci3303952 |
| 1980-08-30T23:38:36.040Z | 33.5285 | -116.6725 | 9.07 | 3.44 | ci3303346 |
| 1980-08-23T06:50:42.650Z | 33.2645 | -116.119 | 4.44 | 3.64 | ci9734718 |
| 1980-07-29T06:48:19.500Z | 33.067 | -116.017 | 5 | 3.6 | usp000194x |
| 1980-07-24T19:22:10.060Z | 33.2731667 | -116.8283333 | 6 | 3.02 | ci9733458 |
| 1980-07-09T21:11:24.360Z | 33.0343333 | -116.38 | 16.43 | 3.04 | ci3306570 |
| 1980-06-11T23:52:45.740Z | 33.3858333 | -116.3148333 | 5.14 | 3.17 | ci9731354 |
| 1980-05-29T20:59:58.120Z | 33.8978333 | -115.5471667 | 0.01 | 3 | ci3307329 |
| 1980-05-25T19:03:48.980Z | 33.3353333 | -116.3783333 | 14.66 | 3.45 | ci3308026 |
| 1980-05-09T07:11:12.100Z | 33.459 | -116.5983333 | 7.21 | 3.01 | ci9726362 |
| 1980-04-30T22:07:43.870Z | 33.8963333 | -115.546 | 0.02 | 3 | ci10078862 |
| 1980-04-23T23:07:34.630Z | 33.8905 | -115.5203333 | 0.01 | 3 | ci3357344 |
| 1980-03-20T19:35:51.680Z | 33.883 | -115.5178333 | 5.03 | 3 | ci3327481 |
| 1980-03-10T21:04:29.330Z | 33.8876667 | -116.2823333 | 6.29 | 3.26 | ci10074250 |
| 1980-03-10T06:54:21.700Z | 33.8823333 | -116.275 | 2.18 | 3.63 | ci10074150 |
| 1980-03-07T01:00:40.440Z | 33.8841667 | -115.5246667 | 0.01 | 3 | ci10073874 |
| 1980-03-01T09:30:51.660Z | 33.4991667 | -116.5261667 | 9.3 | 3.05 | ci3355423 |
| 1980-02-26T23:07:32.600Z | 33.8701667 | -115.5278333 | 1.26 | 3 | ci3326474 |
| 1980-02-25T19:02:17.070Z | 33.4993333 | -116.507 | 15.29 | 3.17 | ci3326402 |
| 1980-02-25T14:51:32.100Z | 33.492 | -116.526 | 12.07 | 3.26 | ci3308962 |
| 1980-02-25T14:00:06.510Z | 33.4903333 | -116.4868333 | 17.17 | 3.61 | ci3326372 |
| 1980-02-25T11:05:08.890Z | 33.5008333 | -116.5263333 | 5.5 | 3.27 | ci10071590 |
| 1980-02-25T10:59:25.270Z | 33.5023333 | -116.5323333 | 15.91 | 3.48 | ci10071566 |
| 1980-02-25T10:47:38.410Z | 33.4753333 | -116.4996667 | 19.41 | 5.34 | ci3326333 |
| 1980-02-22T13:45:06.430Z | 33.246 | -116.2533333 | 4.41 | 3.18 | ci3326315 |
| 1980-02-22T13:39:23.740Z | 33.244 | -116.2135 | 5.78 | 3.88 | ci9724494 |
| 1980-02-22T13:39:18.980Z | 33.2483333 | -116.2293333 | 13.61 | 3.48 | ci3355234 |
| 1980-02-15T23:09:24.820Z | 33.9021667 | -115.5466667 | 0.38 | 3 | ci10071178 |
| 1980-02-14T19:03:22.680Z | 33.8843333 | -115.5181667 | 0 | 3 | ci10071094 |
| 1980-01-26T23:53:06.020Z | 34.409 | -117.0283333 | 5.34 | 3.13 | ci3325498 |
| 1980-01-22T23:06:29.400Z | 33.8835 | -115.5201667 | 0.01 | 3 | ci10069902 |

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|---|---|---|---|---|---|
| 1980-01-04T21:07:37.620Z | 33.882 | -115.5125 | 0.01 | 3 | ci12329831 |
| 1979-12-28T22:59:38.490Z | 33.884 | -115.5193333 | 0.93 | 3 | ci10068290 |
| 1979-12-18T15:37:13.490Z | 34.0285 | -117.1291667 | 7.62 | 3.33 | ci3354642 |
| 1979-12-14T21:11:00.080Z | 33.8831667 | -115.5175 | 0.22 | 3 | ci3354565 |
| 1979-12-07T23:54:36.420Z | 34.0068333 | -116.7153333 | 18.25 | 3.28 | ci3354411 |
| 1979-11-05T22:44:31.450Z | 33.2245 | -116.0195 | 2.66 | 3.12 | ci3353656 |
| 1979-10-24T13:32:49.680Z | 34.1881667 | -116.43 | 2.26 | 3.34 | ci3353249 |
| 1979-10-17T09:17:22.910Z | 33.1566667 | -115.6381667 | 10 | 3.12 | ci12277699 |
| 1979-10-17T02:13:17.870Z | 33.2743333 | -115.6591667 | 3.33 | 3.02 | ci3352519 |
| 1979-10-16T06:19:01.160Z | 33.2333333 | -115.6318333 | 4.56 | 3.5 | ci12265063 |
| 1979-10-16T03:16:09.100Z | 33.1191667 | -115.754 | 6 | 3.29 | ci12264447 |
| 1979-10-15T23:59:50.320Z | 33.2485 | -115.6786667 | 10 | 3 | ci3352094 |
| 1979-10-15T23:58:02.220Z | 33.2623333 | -115.6855 | 3.58 | 3 | ci3352093 |
| 1979-10-10T22:01:08.760Z | 33.8956667 | -115.5473333 | 0.01 | 3.2 | ci3351993 |
| 1979-10-08T11:26:43.040Z | 32.9621667 | -116.3015 | 14.43 | 3.5 | ci3351949 |
| 1979-10-04T13:44:17.860Z | 33.6081667 | -117.2303333 | 13.28 | 3.24 | ci3351866 |
| 1979-09-26T22:30:12.270Z | 33.755 | -116.037 | 0 | 3.13 | ci3351719 |
| 1979-09-26T22:29:36.940Z | 33.7488333 | -116.0041667 | 3.2 | 3.43 | ci12263303 |
| 1979-09-24T07:47:56.850Z | 34.1553333 | -116.665 | 8.07 | 3.13 | ci3351603 |
| 1979-09-23T20:00:58.120Z | 34.2236667 | -116.3706667 | 4.06 | 3.06 | ci3351597 |
| 1979-09-22T09:09:49.810Z | 32.965 | -116.316 | 14.18 | 3.08 | ci3313299 |
| 1979-09-03T11:44:16.270Z | 33.3788333 | -116.3598333 | 3.07 | 3.74 | ci3351281 |
| 1979-08-27T05:19:40.390Z | 33.9255 | -115.9098333 | 10.29 | 3.4 | ci3351086 |
| 1979-08-22T02:01:36.280Z | 33.6973333 | -116.8203333 | 19.03 | 3.93 | ci3351008 |
| 1979-08-13T10:13:01.000Z | 34.286 | -116.3945 | 7.1 | 3.21 | ci3350846 |
| 1979-08-09T22:02:17.200Z | 33.8871667 | -115.522 | 0.06 | 3 | ci3350787 |
| 1979-07-27T23:10:26.380Z | 33.895 | -115.5453333 | 0 | 3 | ci10047782 |
| 1979-07-13T04:57:23.970Z | 34.2535 | -116.4283333 | 3.88 | 3.01 | ci3350570 |
| 1979-07-13T03:51:23.500Z | 34.257 | -116.4238333 | 10.47 | 3.99 | ci3350563 |
| 1979-07-13T02:28:41.080Z | 34.2521667 | -116.4256667 | 8.49 | 3.41 | ci3350556 |
| 1979-07-13T02:26:03.420Z | 34.258 | -116.4235 | 8.75 | 4 | ci12248943 |
| 1979-07-11T22:11:51.410Z | 33.8821667 | -115.514 | 0.07 | 3 | ci3350538 |
| 1979-07-02T12:42:37.210Z | 33.497 | -116.4973333 | 15.29 | 3.63 | ci3350370 |
| 1979-07-02T11:51:55.220Z | 33.4885 | -116.4911667 | 14.74 | 3.68 | ci3350366 |
| 1979-07-01T09:29:28.060Z | 34.2366667 | -116.892 | 9.7 | 3.18 | ci3350345 |
| 1979-06-30T07:03:52.890Z | 34.2478333 | -116.8886667 | 12.92 | 4.36 | ci3350317 |
| 1979-06-30T06:56:32.940Z | 34.2381667 | -116.8923333 | 8.69 | 3.51 | ci3350316 |
| 1979-06-30T00:42:43.530Z | 34.2468333 | -116.8916667 | 10.37 | 3.13 | ci3350297 |
| 1979-06-30T00:34:11.590Z | 34.2415 | -116.8823333 | 12.55 | 4.83 | ci3350295 |
| 1979-06-29T05:53:20.440Z | 34.2455 | -116.8908333 | 11.3 | 4.4 | ci3350266 |
| 1979-06-08T22:05:48.050Z | 33.883 | -115.5176667 | 0 | 3.2 | ci3349622 |
| 1979-05-22T22:01:17.090Z | 33.883 | -115.517 | 0 | 3.2 | ci3349281 |
| 1979-05-21T05:19:04.040Z | 34.0875 | -116.3788333 | 2.44 | 3.07 | ci3349238 |

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|---|---|---|---|---|---|
| 1979-05-20T12:04:47.930Z | 34.0808333 | -116.3765 | 2.88 | 3.69 | ci3349229 |
| 1979-05-18T22:13:02.360Z | 33.8961667 | -115.5433333 | 0 | 3 | ci3349202 |
| 1979-05-16T22:05:39.000Z | 33.8851667 | -115.5256667 | 0 | 3 | ci3349170 |
| 1979-05-16T04:26:00.980Z | 33.3685 | -116.3538333 | 3.9 | 3.29 | ci3349145 |
| 1979-05-12T10:11:02.110Z | 34.3106667 | -116.4701667 | 6.46 | 3.4 | ci3349054 |
| 1979-05-11T21:57:38.170Z | 33.8875 | -115.5208333 | 0 | 3.2 | ci3349041 |
| 1979-05-11T01:06:52.660Z | 34.3103333 | -116.4728333 | 4.49 | 3.29 | ci3349022 |
| 1979-04-22T16:52:17.270Z | 33.4173333 | -116.543 | 14.81 | 3.26 | ci3348576 |
| 1979-04-20T23:07:02.160Z | 33.8968333 | -115.555 | 0 | 3 | ci3348538 |
| 1979-04-11T23:53:55.780Z | 34.2523333 | -116.433 | 0 | 3.07 | ci3314713 |
| 1979-04-11T23:01:24.770Z | 33.8821667 | -115.5133333 | 0.08 | 3.3 | ci3314712 |
| 1979-04-09T17:32:24.720Z | 34.421 | -116.4558333 | 2.72 | 3.39 | ci3348318 |
| 1979-04-06T16:13:05.300Z | 34.6315 | -116.4923333 | 7.22 | 3.45 | ci3348238 |
| 1979-04-04T22:52:28.160Z | 33.8798333 | -115.5203333 | 0.01 | 3.5 | ci3348195 |
| 1979-04-02T21:15:03.970Z | 34.3013333 | -116.5001667 | 0.25 | 3.15 | ci3348123 |
| 1979-04-02T10:27:28.660Z | 34.2966667 | -116.5011667 | 0 | 3.02 | ci3348113 |
| 1979-03-31T00:16:08.830Z | 34.3038333 | -116.4898333 | 3.27 | 3.89 | ci12245191 |
| 1979-03-28T23:06:36.060Z | 33.8945 | -115.545 | 0.01 | 3.3 | ci3347973 |
| 1979-03-22T22:53:37.810Z | 33.8986667 | -115.5491667 | 0 | 3.3 | ci3347532 |
| 1979-03-21T04:48:35.810Z | 34.2863333 | -116.4095 | 0.34 | 3.02 | ci3347428 |
| 1979-03-20T10:39:47.360Z | 34.3046667 | -116.4505 | 3.41 | 3.13 | ci3347366 |
| 1979-03-19T09:35:51.130Z | 34.2335 | -116.3591667 | 4.26 | 3.05 | ci3347289 |
| 1979-03-18T22:53:02.770Z | 34.2283333 | -116.3461667 | 11.2 | 4.07 | ci3347244 |
| 1979-03-18T12:11:04.320Z | 34.3288333 | -116.4213333 | 2.94 | 3.02 | ci3347202 |
| 1979-03-17T18:48:39.050Z | 34.3151667 | -116.3748333 | 1.88 | 3.33 | ci3347111 |
| 1979-03-17T08:12:42.950Z | 34.2941667 | -116.4016667 | 2.27 | 3.03 | ci3347039 |
| 1979-03-16T21:30:42.210Z | 33.8718333 | -115.4516667 | 0.01 | 3 | ci3346962 |
| 1979-03-16T17:36:59.040Z | 34.3356667 | -116.381 | 7.46 | 4 | ci12241595 |
| 1979-03-16T14:10:57.600Z | 34.3326667 | -116.3916667 | 1.63 | 3.2 | ci12241543 |
| 1979-03-16T07:52:09.240Z | 34.3065 | -116.423 | 4.38 | 3.47 | ci12241447 |
| 1979-03-16T05:54:00.850Z | 34.3063333 | -116.4223333 | 7.68 | 3.38 | ci3346821 |
| 1979-03-16T02:46:51.930Z | 34.3143333 | -116.4288333 | 3.24 | 3.02 | ci3346764 |
| 1979-03-16T01:35:02.150Z | 34.328 | -116.3975 | 3.57 | 3.37 | ci3346741 |
| 1979-03-16T01:21:25.670Z | 34.3305 | -116.394 | 7.2 | 3.8 | ci12241175 |
| 1979-03-16T00:57:29.640Z | 34.3148333 | -116.4368333 | 3.61 | 3.33 | ci3346730 |
| 1979-03-15T23:16:38.430Z | 34.3046667 | -116.425 | 1.44 | 3.84 | ci3346694 |
| 1979-03-15T23:07:57.640Z | 34.3436667 | -116.407 | 2 | 4.77 | ci3346693 |
| 1979-03-15T21:44:50.040Z | 34.3138333 | -116.4221667 | 0.38 | 3 | ci12240939 |
| 1979-03-15T21:34:25.930Z | 34.3493333 | -116.4288333 | 8.94 | 4.47 | ci3346651 |
| 1979-03-15T21:15:49.340Z | 34.319 | -116.441 | 3.01 | 3 | ci3346647 |
| 1979-03-15T21:07:16.780Z | 34.3258333 | -116.416 | 9.27 | 5.23 | ci3346646 |
| 1979-03-15T20:34:54.500Z | 34.3301667 | -116.4411667 | 2.66 | 3.01 | ci3346634 |
| 1979-03-15T20:17:50.280Z | 34.305 | -116.4125 | 8.26 | 4.83 | ci3346630 |

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|---|---|---|---|---|---|
| 1979-03-14T22:55:50.450Z | 33.8866667 | -115.5185 | 0.11 | 3.3 | ci12240755 |
| 1979-03-11T07:14:05.140Z | 34.0138333 | -116.7286667 | 16.5 | 3.28 | ci9694274 |
| 1979-03-08T23:00:01.530Z | 33.8878333 | -115.5138333 | 0.05 | 3.5 | ci3346520 |
| 1979-03-08T10:40:51.620Z | 33.336 | -116.8326667 | 8.81 | 3.09 | ci3346507 |
| 1979-03-06T22:53:55.400Z | 33.8993333 | -115.5478333 | 0.01 | 3.1 | ci3346486 |
| 1979-03-05T22:51:57.180Z | 33.8786667 | -115.5246667 | 0.02 | 3.2 | ci3346468 |
| 1979-03-02T22:49:40.110Z | 33.8878333 | -115.5131667 | 0.09 | 3.5 | ci3346429 |
| 1979-02-23T23:00:57.160Z | 33.8816667 | -115.5208333 | 0.12 | 3 | ci3346307 |
| 1979-02-14T23:10:01.580Z | 33.894 | -115.5455 | 0 | 3.5 | ci3346121 |
| 1979-02-13T01:05:45.920Z | 34.306 | -116.33 | 1.31 | 3.06 | ci3346070 |
| 1979-02-12T04:48:42.370Z | 33.4485 | -116.4141667 | 11.26 | 4.2 | ci3346051 |
| 1979-02-07T22:50:42.940Z | 33.8833333 | -115.5161667 | 0.06 | 3.3 | ci3345971 |
| 1979-02-02T23:03:39.500Z | 33.8978333 | -115.5538333 | 0 | 3 | ci3345882 |
| 1979-01-31T22:20:55.410Z | 33.8926667 | -115.546 | 0.01 | 3.4 | ci3345848 |
| 1979-01-24T22:55:49.880Z | 33.8806667 | -115.5178333 | 0 | 3.3 | ci3345729 |
| 1979-01-23T07:25:07.950Z | 34.4981667 | -116.3388333 | 6.56 | 3.2 | ci3345702 |
| 1979-01-18T23:07:11.750Z | 33.8981667 | -115.5488333 | 0.01 | 3.5 | ci3345638 |
| 1979-01-12T11:47:14.970Z | 33.5051667 | -116.4958333 | 13.02 | 3.02 | ci3345544 |
| 1979-01-11T23:05:46.020Z | 33.8933333 | -115.5478333 | 1.26 | 3.2 | ci12232847 |
| 1979-01-10T22:55:28.160Z | 33.8821667 | -115.5158333 | 0.04 | 3.3 | ci3345511 |
| 1979-01-03T22:54:25.050Z | 33.882 | -115.5191667 | 0.07 | 3.3 | ci3345352 |
| 1979-01-01T17:12:04.730Z | 33.5011667 | -116.5193333 | 15.17 | 3.29 | ci3345165 |
| 1978-12-28T22:55:59.530Z | 33.8978333 | -115.552 | 0 | 3 | ci3345059 |
| 1978-12-20T22:58:49.760Z | 33.891 | -115.5506667 | 0.2 | 3.1 | ci3314283 |
| 1978-12-15T22:56:18.990Z | 33.8838333 | -115.518 | 0 | 3 | ci3314217 |
| 1978-12-15T12:27:57.640Z | 33.873 | -116.1728333 | 2.28 | 3.17 | ci3344025 |
| 1978-12-15T03:36:57.180Z | 33.8798333 | -116.1701667 | 5.22 | 3.3 | ci3344019 |
| 1978-12-12T22:54:28.100Z | 33.8948333 | -115.5458333 | 0 | 3.3 | ci3314187 |
| 1978-12-01T23:20:46.300Z | 33.9235 | -116.6638333 | 18.29 | 3.52 | ci3343819 |
| 1978-11-30T22:49:48.660Z | 33.8796667 | -115.505 | 0.03 | 3 | ci3314101 |
| 1978-11-21T20:54:52.580Z | 34.0128333 | -116.4411667 | 8.82 | 3.03 | ci3314048 |
| 1978-11-20T21:21:49.100Z | 34.1468333 | -116.9766667 | 11.62 | 3.36 | ci3314031 |
| 1978-11-20T06:58:44.950Z | 34.1421667 | -116.9745 | 12.48 | 3.42 | ci3314008 |
| 1978-11-20T06:55:09.300Z | 34.1473333 | -116.9601667 | 14.49 | 4.27 | ci3314007 |
| 1978-11-16T23:04:32.760Z | 33.8863333 | -115.5193333 | 0 | 3.1 | ci3313948 |
| 1978-11-14T22:50:14.170Z | 33.883 | -115.513 | 0 | 3.1 | ci3313920 |
| 1978-11-03T22:54:07.180Z | 33.879 | -115.5123333 | 0 | 3 | ci3343356 |
| 1978-10-27T21:52:45.610Z | 33.8833333 | -115.508 | 0.01 | 3 | ci3313807 |
| 1978-10-20T08:38:29.020Z | 34.2211667 | -116.1823333 | 6.71 | 3.16 | ci3343077 |
| 1978-10-11T12:36:07.610Z | 34.5221667 | -116.0965 | 0.4 | 3.24 | ci3313687 |
| 1978-09-28T23:13:53.270Z | 32.953 | -116.2446667 | 16.2 | 3.83 | ci3313556 |
| 1978-09-15T21:53:59.060Z | 33.8956667 | -115.5368333 | 0.03 | 3.2 | ci3313426 |
| 1978-09-08T21:37:46.430Z | 33.8968333 | -115.546 | 0.05 | 3 | ci3341674 |

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|---|---|---|---|---|---|
| 1978-08-30T21:58:05.650Z | 33.8953333 | -115.5123333 | 3 | 3 | ci3341454 |
| 1978-08-29T21:33:44.330Z | 33.869 | -115.4638333 | 0 | 3.3 | ci3341409 |
| 1978-08-29T15:43:46.180Z | 33.1723333 | -116.3941667 | 21.62 | 3.23 | ci3341398 |
| 1978-08-17T21:47:02.680Z | 33.8701667 | -115.4663333 | 0 | 3 | ci3341127 |
| 1978-08-11T22:16:03.380Z | 33.8833333 | -115.5241667 | 0.01 | 3.3 | ci10012182 |
| 1978-08-08T20:51:09.310Z | 33.8946667 | -115.541 | 0.2 | 3.2 | ci10012010 |
| 1978-08-07T21:22:36.440Z | 33.8943333 | -115.5275 | 0.33 | 3.1 | ci10011930 |
| 1978-08-04T20:23:23.610Z | 33.8688333 | -115.4713333 | 0 | 3.2 | ci10011714 |
| 1978-08-03T21:53:54.500Z | 33.8801667 | -115.5168333 | 0 | 3.2 | ci10011642 |
| 1978-08-03T04:30:41.820Z | 33.6551667 | -116.6941667 | 20.92 | 3.2 | ci3341089 |
| 1978-08-02T21:19:02.520Z | 33.9013333 | -115.548 | 0 | 3.3 | ci3341077 |
| 1978-08-02T06:31:13.360Z | 33.0173333 | -115.8521667 | 2.41 | 3.03 | ci3341057 |
| 1978-07-26T00:38:53.610Z | 34.3585 | -116.9093333 | 8.93 | 3.65 | ci3340919 |
| 1978-07-25T21:13:06.430Z | 33.8761667 | -115.4921667 | 0 | 3.1 | ci3340916 |
| 1978-07-21T21:43:30.650Z | 33.8821667 | -115.52 | 0.08 | 3 | ci3340852 |
| 1978-07-19T20:29:03.680Z | 33.8985 | -115.5416667 | 0 | 3.4 | ci3340809 |
| 1978-07-13T20:14:33.470Z | 33.8956667 | -115.5418333 | 0 | 3 | ci3340707 |
| 1978-07-12T21:45:48.180Z | 33.8861667 | -115.5176667 | 0.09 | 3.2 | ci3340689 |
| 1978-07-12T19:38:25.910Z | 33.9 | -115.5473333 | 0.03 | 3.5 | ci3340685 |
| 1978-07-05T10:47:55.770Z | 33.8741667 | -116.5016667 | 2.26 | 3.65 | ci3340401 |
| 1978-07-03T22:05:54.540Z | 33.87 | -115.465 | 0.01 | 3.3 | ci3340375 |
| 1978-07-03T08:34:58.060Z | 33.4545 | -116.5871667 | 5.66 | 3.04 | ci3340369 |
| 1978-06-26T21:45:30.990Z | 33.8746667 | -115.4708333 | 0.03 | 3 | ci3340232 |
| 1978-06-25T07:31:11.330Z | 34.042 | -117.2711667 | 15.82 | 3.06 | ci3340207 |
| 1978-06-09T18:58:09.690Z | 33.8811667 | -115.5211667 | 0.01 | 3.3 | ci3339899 |
| 1978-06-05T16:03:03.810Z | 33.3995 | -116.6748333 | 16.69 | 4.42 | ci3339828 |
| 1978-06-02T20:52:38.140Z | 33.8976667 | -115.5468333 | 0.06 | 3.3 | ci3339794 |
| 1978-05-31T22:04:08.830Z | 33.8798333 | -115.5123333 | 0.18 | 3.3 | ci3339757 |
| 1978-05-27T19:28:33.480Z | 33.8968333 | -115.551 | 0.15 | 3.2 | ci3339692 |
| 1978-05-25T18:01:38.600Z | 33.8693333 | -115.4683333 | 0 | 3.5 | ci3339651 |
| 1978-05-25T06:43:05.840Z | 34.1486667 | -116.7166667 | 4.47 | 3.4 | ci3339642 |
| 1978-05-23T19:05:04.870Z | 33.899 | -115.545 | 0 | 3.1 | ci3339616 |
| 1978-05-18T21:54:28.410Z | 33.8861667 | -115.5211667 | 0.04 | 3.1 | ci3339524 |
| 1978-05-17T21:48:14.850Z | 33.8868333 | -115.5125 | 0.01 | 3.1 | ci3339512 |
| 1978-05-16T19:11:10.450Z | 33.898 | -115.5491667 | 0 | 3.2 | ci3339499 |
| 1978-05-04T21:56:14.150Z | 33.8825 | -115.5118333 | 0.06 | 3.2 | ci3339246 |
| 1978-05-03T18:21:58.680Z | 33.8961667 | -115.5451667 | 0.08 | 3.5 | ci3339220 |
| 1978-04-29T04:03:46.170Z | 34.2206667 | -116.5601667 | 9.08 | 3.73 | ci3339128 |
| 1978-04-27T22:59:18.880Z | 33.8673333 | -115.4708333 | 0 | 3.1 | ci3339106 |
| 1978-04-27T22:24:38.870Z | 33.8806667 | -115.5168333 | 0.08 | 3.1 | ci3339103 |
| 1978-04-25T22:06:32.160Z | 33.9833333 | -116.9338333 | 20.2 | 3.31 | ci3339063 |
| 1978-04-24T22:39:13.660Z | 33.8998333 | -115.5593333 | 0 | 3.1 | ci3339044 |
| 1978-04-20T23:01:31.490Z | 33.9008333 | -115.5506667 | 0 | 3.2 | ci3338995 |

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|---|---|---|---|---|---|
| 1978-04-18T22:52:21.390Z | 33.8873333 | -115.5291667 | 0 | 3.4 | ci3338961 |
| 1978-04-14T17:47:36.900Z | 33.8773333 | -115.4693333 | 0.01 | 3.1 | ci3338860 |
| 1978-04-11T23:32:08.730Z | 33.8928333 | -115.5538333 | 0.08 | 3.5 | ci3338758 |
| 1978-04-05T22:47:25.580Z | 33.8826667 | -115.5251667 | 0 | 3.2 | ci3338612 |
| 1978-04-01T10:52:27.410Z | 34.1911667 | -116.955 | 11.41 | 3.96 | ci3338504 |
| 1978-03-31T22:43:52.950Z | 33.885 | -115.5266667 | 0.02 | 3 | ci3338495 |
| 1978-03-29T23:02:04.440Z | 33.8826667 | -115.5175 | 0.04 | 3 | ci3338442 |
| 1978-03-28T22:49:47.200Z | 33.8978333 | -115.5488333 | 0 | 3 | ci3338403 |
| 1978-03-27T22:50:41.160Z | 33.8915 | -115.5491667 | 0.07 | 3 | ci3338379 |
| 1978-03-21T23:10:34.520Z | 33.8961667 | -115.5521667 | 0 | 3.1 | ci3338261 |
| 1978-03-14T23:03:12.290Z | 33.8843333 | -115.5305 | 0 | 3 | ci3338052 |
| 1978-03-09T22:57:37.050Z | 33.8913333 | -115.5493333 | 0 | 3.2 | ci3337800 |
| 1978-03-06T22:46:16.820Z | 33.8803333 | -115.5108333 | 0 | 3.2 | ci3337733 |
| 1978-03-03T23:22:00.780Z | 33.9145 | -115.5461667 | 0 | 3 | ci3337690 |
| 1978-03-02T22:58:30.180Z | 33.8681667 | -115.4728333 | 0.01 | 3.1 | ci3337665 |
| 1978-03-01T04:54:30.980Z | 34.549 | -116.7645 | 2.15 | 4.2 | ci3337638 |
| 1978-02-22T19:34:41.720Z | 33.8965 | -115.5473333 | 0.1 | 3.1 | ci3337546 |
| 1978-02-16T10:54:35.280Z | 33.4223333 | -116.3941667 | 6 | 3.16 | ci3337432 |
| 1978-02-08T23:05:54.410Z | 33.8841667 | -115.5118333 | 0.13 | 3 | ci3337271 |
| 1978-02-06T12:57:14.200Z | 33.2508333 | -115.5746667 | 4.12 | 3.52 | ci3337211 |
| 1978-02-06T01:01:28.790Z | 34.03 | -116.7755 | 13.16 | 3.25 | ci9998878 |
| 1978-02-06T00:39:25.700Z | 34.0313333 | -116.7738333 | 12.98 | 3.17 | ci9998870 |
| 1978-02-05T09:53:41.090Z | 34.3058333 | -116.719 | 0.33 | 3.69 | ci9998754 |
| 1978-01-30T20:44:28.320Z | 33.8683333 | -115.4683333 | 0 | 3.2 | ci9998414 |
| 1978-01-29T02:56:08.990Z | 34.0371667 | -115.6211667 | 11.75 | 3.28 | ci9998314 |
| 1978-01-26T22:48:30.210Z | 33.879 | -115.4865 | 0 | 3 | ci9998234 |
| 1978-01-24T08:13:21.740Z | 33.2583333 | -115.9948333 | 4.71 | 3.14 | ci9998074 |
| 1978-01-20T18:59:54.880Z | 33.8783333 | -115.518 | 0.56 | 3.2 | ci9997774 |
| 1978-01-13T20:01:03.370Z | 33.8671667 | -115.4601667 | 0.01 | 3.2 | ci9997446 |
| 1978-01-03T22:46:37.000Z | 33.8951667 | -115.549 | 0.01 | 3 | ci9996794 |
| 1977-12-30T22:55:57.950Z | 33.8971667 | -115.5486667 | 0.98 | 3.3 | ci9996582 |
| 1977-12-28T22:56:07.540Z | 33.8886667 | -115.5171667 | 0 | 3.2 | ci3337163 |
| 1977-12-26T18:36:08.330Z | 33.9875 | -116.8481667 | 9.92 | 3.17 | ci3337128 |
| 1977-12-14T22:10:21.870Z | 33.9055 | -115.5396667 | 0.11 | 3 | ci10079998 |
| 1977-12-09T23:33:26.910Z | 33.8991667 | -115.5578333 | 0 | 3 | ci3336813 |
| 1977-12-05T22:57:43.300Z | 33.8875 | -115.5206667 | 0 | 3 | ci3336730 |
| 1977-11-28T18:57:45.380Z | 33.4336667 | -116.4048333 | 6.34 | 3.11 | ci3336565 |
| 1977-11-25T21:56:58.480Z | 34.2935 | -116.3155 | 8.11 | 3.23 | ci3336526 |
| 1977-11-25T15:32:03.360Z | 33.7851667 | -116.0031667 | 3.28 | 3.15 | ci3336517 |
| 1977-11-11T22:59:58.900Z | 33.8975 | -115.5445 | 0.56 | 3 | ci3335995 |
| 1977-11-10T20:15:54.030Z | 33.8975 | -115.5455 | 0.06 | 3 | ci3335971 |
| 1977-11-02T15:30:25.000Z | 33.5073333 | -115.8881667 | 3.1 | 3.47 | ci3335837 |
| 1977-10-30T06:31:51.990Z | 34.2433333 | -116.4953333 | 8.44 | 3.01 | ci3335784 |

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|---|---|---|---|---|---|
| 1977-10-28T21:56:29.360Z | 33.8958333 | -115.5496667 | 0.11 | 3 | ci3335696 |
| 1977-10-26T21:59:16.820Z | 33.884 | -115.515 | 0.18 | 3 | ci3335640 |
| 1977-10-25T19:09:53.020Z | 33.8735 | -115.462 | 0.02 | 3 | ci3335617 |
| 1977-10-22T04:59:17.400Z | 34.3811667 | -117.0511667 | 2.75 | 3.66 | ci3335520 |
| 1977-10-19T21:58:58.780Z | 33.8965 | -115.5488333 | 0 | 3 | ci3335322 |
| 1977-10-18T19:09:26.690Z | 33.8708333 | -115.4683333 | 0.1 | 3 | ci10082182 |
| 1977-10-13T08:18:10.850Z | 33.2085 | -115.6426667 | 10 | 3.33 | ci3335184 |
| 1977-10-12T21:43:25.170Z | 33.8851667 | -115.5183333 | 0.43 | 3 | ci3335180 |
| 1977-10-05T22:05:08.430Z | 33.893 | -115.5356667 | 0 | 3 | ci3335081 |
| 1977-09-30T22:09:18.930Z | 33.8825 | -115.5063333 | 0.06 | 3 | ci3335013 |
| 1977-09-30T15:09:51.960Z | 34.3118333 | -116.0521667 | 0 | 3.41 | ci3335003 |
| 1977-09-28T21:52:02.500Z | 33.8953333 | -115.556 | 0.75 | 3 | ci3334974 |
| 1977-09-23T22:04:08.730Z | 33.8953333 | -115.5445 | 0.17 | 3 | ci3334891 |
| 1977-09-22T09:41:10.570Z | 33.9636667 | -116.5865 | 8.84 | 3.44 | ci3334855 |
| 1977-09-12T06:17:42.650Z | 34.2123333 | -116.9853333 | 10.29 | 3.2 | ci3334697 |
| 1977-09-09T22:48:47.190Z | 33.8855 | -115.5121667 | 0 | 3.2 | ci3334661 |
| 1977-09-08T04:42:16.900Z | 34.15 | -116.717 | 2 | 3 | usp0000qjb |
| 1977-09-08T01:56:43.700Z | 33.896 | -115.5403333 | 0.01 | 3.4 | ci3334638 |
| 1977-08-27T21:51:47.930Z | 33.9043333 | -115.5426667 | 0 | 3 | ci3334468 |
| 1977-08-12T00:58:29.970Z | 33.7573333 | -116.1873333 | 0.2 | 3.1 | ci3334223 |
| 1977-08-09T21:46:37.540Z | 33.8765 | -115.4898333 | 0.02 | 3 | ci3334189 |
| 1977-07-17T23:09:49.700Z | 33.2005 | -116.0316667 | 16.58 | 3.22 | ci3333920 |
| 1977-07-15T21:46:08.560Z | 33.8956667 | -115.537 | 0.36 | 3 | ci3333905 |
| 1977-07-13T08:12:48.660Z | 33.9896667 | -116.8345 | 7.96 | 3.03 | ci3333866 |
| 1977-06-23T07:12:51.460Z | 33.2541667 | -116.0041667 | 4.23 | 3.32 | ci3333624 |
| 1977-06-17T22:27:32.370Z | 33.893 | -115.541 | 0 | 3.2 | ci9980930 |
| 1977-06-15T21:49:16.940Z | 33.898 | -115.555 | 0 | 3.4 | ci9980858 |
| 1977-05-27T21:50:01.430Z | 33.8846667 | -115.5163333 | 0.11 | 3 | ci9980118 |
| 1977-05-21T23:17:55.140Z | 34.0875 | -117.3121667 | 15.61 | 3.16 | ci3333517 |
| 1977-05-12T23:46:05.250Z | 33.7636667 | -115.9571667 | 0.01 | 3.52 | ci10081682 |
| 1977-05-12T23:44:59.200Z | 33.7738333 | -115.9526667 | 3.57 | 3.09 | ci3333397 |
| 1977-05-11T21:51:35.910Z | 33.8838333 | -115.519 | 0.01 | 3 | ci3333379 |
| 1977-05-04T21:54:03.670Z | 33.883 | -115.5141667 | 0.01 | 3 | ci3333298 |
| 1977-04-28T15:35:33.400Z | 33.3173333 | -115.6858333 | 11.18 | 3.17 | ci3333235 |
| 1977-04-26T09:54:02.830Z | 34.214 | -116.5783333 | 5.16 | 3.1 | ci3333205 |
| 1977-04-25T10:45:50.070Z | 33.2006667 | -116.0475 | 5.96 | 3.15 | ci3333195 |
| 1977-04-22T18:01:25.370Z | 33.3438333 | -116.3578333 | 4.64 | 3.03 | ci3333163 |
| 1977-04-06T06:01:02.640Z | 33.4473333 | -116.466 | 12.2 | 3.47 | ci9978234 |
| 1977-03-31T13:30:29.350Z | 33.4018333 | -116.9786667 | 5.41 | 3.22 | ci9978154 |
| 1977-03-30T23:03:29.780Z | 33.8778333 | -115.5081667 | 0 | 3.2 | ci9978138 |
| 1977-03-25T22:55:30.670Z | 33.9026667 | -115.5358333 | 0.02 | 3.2 | ci9977998 |
| 1977-03-22T22:56:12.290Z | 33.9001667 | -115.5543333 | 0 | 3.2 | ci9977874 |
| 1977-03-18T23:02:36.970Z | 33.8901667 | -115.5115 | 0.02 | 3.1 | ci9977734 |

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|---|---|---|---|---|---|
| 1977-03-15T23:24:04.360Z | 33.8998333 | -115.5476667 | 0.02 | 3.3 | ci9864086 |
| 1977-03-14T23:41:04.640Z | 34.3523333 | -116.1903333 | 0 | 3.03 | ci9864034 |
| 1977-03-14T13:54:47.810Z | 34.359 | -116.1886667 | 0.38 | 3.33 | ci9863998 |
| 1977-03-11T23:00:25.500Z | 33.8935 | -115.5431667 | 0.01 | 3 | ci9863922 |
| 1977-03-09T23:03:06.270Z | 33.8835 | -115.5201667 | 0.01 | 3.2 | ci9863858 |
| 1977-03-07T23:01:06.330Z | 33.8845 | -115.5183333 | 0.02 | 3.1 | ci9863738 |
| 1977-03-01T22:54:47.350Z | 33.8838333 | -115.5195 | 0 | 3.2 | ci3333133 |
| 1977-02-24T03:12:12.590Z | 33.7716667 | -115.66 | 7.8 | 3.03 | ci3333041 |
| 1977-02-10T22:50:42.710Z | 33.8861667 | -115.515 | 0.18 | 3 | ci3332848 |
| 1977-02-10T12:10:47.700Z | 33.96 | -116.5805 | 8.95 | 3.4 | ci3332843 |
| 1977-01-10T05:06:58.920Z | 34.5548333 | -116.4656667 | 17.21 | 3.63 | ci3332331 |
| 1976-12-19T11:42:03.090Z | 33.218 | -116.076 | 13.49 | 3.22 | ci150061 |
| 1976-12-18T17:44:00.220Z | 33.245 | -115.662 | 3.79 | 3.29 | ci150040 |
| 1976-12-06T13:37:25.670Z | 33.778 | -115.666 | 1.9 | 3.31 | ci149817 |
| 1976-11-27T15:23:43.440Z | 33.509 | -116.494 | 15.69 | 3.3 | ci149680 |
| 1976-11-11T03:21:48.830Z | 33.18 | -115.653 | 5.05 | 3.38 | ci149483 |
| 1976-11-04T04:33:46.500Z | 34.053 | -116.431 | 8.97 | 3.24 | ci151066 |
| 1976-11-04T04:06:32.040Z | 32.991 | -116.109 | 8.86 | 3.37 | ci149180 |
| 1976-11-02T02:46:05.880Z | 34.1 | -117.294 | 11.99 | 3.28 | ci150883 |
| 1976-10-26T01:35:15.390Z | 33.252 | -115.981 | 0.12 | 3.16 | ci150815 |
| 1976-10-22T23:19:14.020Z | 33.468 | -116.596 | 10.56 | 3.78 | ci150783 |
| 1976-10-22T19:58:04.170Z | 34.274 | -116.331 | 3.35 | 3.4 | ci149012 |
| 1976-10-09T02:09:27.980Z | 33.348 | -116.205 | 9.87 | 4.18 | ci150626 |
| 1976-09-30T16:05:47.090Z | 33.48 | -116.507 | 15.51 | 3.14 | ci148827 |
| 1976-09-19T11:11:42.100Z | 33.47 | -116.74 | 18.22 | 3.31 | ci148678 |
| 1976-08-30T21:50:36.380Z | 33.981 | -115.36 | 0 | 3.3 | ci153981 |
| 1976-08-20T05:14:03.220Z | 33.458 | -116.474 | 6 | 3.24 | ci3001499 |
| 1976-08-19T20:44:43.160Z | 34.346 | -117.063 | 3.49 | 3.19 | ci3001497 |
| 1976-08-12T03:00:38.830Z | 34.217 | -116.562 | 6.23 | 3.07 | ci153872 |
| 1976-08-11T15:24:55.480Z | 33.492 | -116.522 | 20.84 | 4.3 | ci3001481 |
| 1976-08-08T19:37:51.510Z | 33.89 | -116.027 | 10.35 | 3.7 | ci153859 |
| 1976-07-14T20:19:59.050Z | 33.488 | -116.444 | 6 | 3.12 | ci153623 |
| 1976-07-13T19:42:25.470Z | 33.765 | -115.642 | 0 | 3.2 | ci153603 |
| 1976-06-17T21:35:44.960Z | 34.396 | -116.373 | 2.61 | 3.07 | ci153335 |
| 1976-06-02T22:30:09.340Z | 33.911 | -115.537 | 0 | 3.01 | ci153183 |
| 1976-05-23T13:30:20.650Z | 33.69 | -116.792 | 15.98 | 3.19 | ci153080 |
| 1976-05-10T10:24:24.050Z | 34.467 | -116.879 | 6 | 3.49 | ci152953 |
| 1976-05-07T14:49:30.900Z | 34.07 | -116.701 | 5.87 | 3.03 | ci152925 |
| 1976-03-28T07:22:36.970Z | 33.47 | -116.452 | 14.28 | 3.6 | ci3002522 |
| 1976-03-28T07:14:10.900Z | 33.454 | -116.411 | 1.65 | 3.11 | ci3002518 |
| 1976-03-28T05:33:49.120Z | 34.437 | -116.493 | 5.02 | 3 | ci3002514 |
| 1976-03-19T06:43:42.110Z | 34.283 | -116.326 | 2.87 | 3.04 | ci3002420 |
| 1976-02-29T22:40:35.290Z | 34.141 | -116.722 | 3.26 | 3.17 | ci3002210 |

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|---|---|---|---|---|---|
| 1976-02-29T22:30:09.710Z | 34.147 | -116.719 | 2.24 | 3.79 | ci3002207 |
| 1976-02-17T16:41:25.270Z | 33.133 | -116.464 | 17.87 | 3.29 | ci3002075 |
| 1976-01-21T15:24:47.170Z | 32.983 | -116.305 | 15.24 | 3.01 | ci3001829 |
| 1976-01-14T20:26:24.470Z | 33.087 | -116.649 | 20.69 | 3.32 | ci3001764 |
| 1976-01-08T20:26:50.690Z | 33.856 | -115.792 | 0.52 | 3.12 | ci3001698 |
| 1976-01-01T01:47:54.650Z | 33.517 | -116.583 | 2.56 | 3.21 | ci3001622 |
| 1975-12-14T18:16:19.940Z | 34.292 | -116.327 | 2.27 | 4.21 | ci3006584 |
| 1975-12-14T11:56:27.110Z | 34.296 | -117.007 | 8.13 | 3.18 | ci3006582 |
| 1975-12-08T07:04:08.080Z | 33.127 | -116.039 | 16.57 | 3.35 | ci3006528 |
| 1975-11-29T11:44:15.680Z | 33.492 | -116.482 | 14.25 | 3.09 | ci3006472 |
| 1975-11-18T18:22:30.040Z | 34.295 | -116.339 | 2.86 | 3.06 | ci3006418 |
| 1975-11-15T22:05:51.520Z | 34.289 | -116.34 | 3.4 | 3.07 | ci3006388 |
| 1975-11-15T07:43:48.250Z | 34.29 | -116.338 | 3.75 | 3.31 | ci3006368 |
| 1975-11-15T06:20:46.970Z | 34.3 | -116.331 | 7.68 | 3.39 | ci3006360 |
| 1975-11-15T06:13:27.630Z | 34.305 | -116.331 | 7.63 | 4.48 | ci3006356 |
| 1975-11-15T06:06:03.660Z | 34.298 | -116.334 | 3.32 | 3.46 | ci3006353 |
| 1975-11-07T22:10:45.610Z | 34.44 | -116.458 | 0.96 | 3.38 | ci3006313 |
| 1975-11-05T12:23:15.500Z | 34.538 | -115.808 | 5.18 | 3.01 | ci3006294 |
| 1975-10-21T09:15:52.060Z | 33.967 | -116.402 | 9.31 | 3.66 | ci3006222 |
| 1975-10-14T11:11:19.580Z | 33.064 | -116.469 | 6 | 3.44 | ci3006184 |
| 1975-10-14T10:13:08.100Z | 33.06 | -116.472 | 6 | 3.39 | ci3006183 |
| 1975-09-28T02:45:06.500Z | 33.206 | -116.063 | 6 | 3.34 | ci3006098 |
| 1975-09-16T13:38:19.000Z | 33.333 | -116.368 | 15.82 | 3.03 | ci3006042 |
| 1975-08-20T04:37:16.630Z | 34.509 | -116.485 | 0.16 | 3.36 | ci3023339 |
| 1975-08-14T08:10:36.540Z | 34.042 | -116.432 | 3.84 | 3.82 | ci3023280 |
| 1975-08-14T08:08:49.940Z | 34.044 | -116.429 | 9.94 | 3.96 | ci3023279 |
| 1975-08-03T00:29:08.970Z | 33.526 | -116.563 | 13.61 | 3.06 | ci3023194 |
| 1975-08-02T00:14:07.770Z | 33.525 | -116.544 | 14.39 | 4.9 | ci3023147 |
| 1975-08-01T11:42:13.030Z | 33.633 | -116.745 | 10.97 | 3.17 | ci3023135 |
| 1975-07-16T11:57:20.550Z | 33.218 | -116.575 | 19.21 | 3.23 | ci3023010 |
| 1975-07-04T11:01:43.540Z | 33.228 | -116.076 | 6 | 3.66 | ci3022923 |
| 1975-06-14T22:55:51.070Z | 34.537 | -116.503 | 0.08 | 3.09 | ci3022614 |
| 1975-06-06T12:05:47.190Z | 34.516 | -116.489 | 0.01 | 3.01 | ci3022266 |
| 1975-06-06T01:00:25.250Z | 34.518 | -116.484 | 2.62 | 3.32 | ci3022254 |
| 1975-06-03T21:53:47.810Z | 34.523 | -116.457 | 0.01 | 3.03 | ci3022220 |
| 1975-06-01T05:00:59.580Z | 34.518 | -116.492 | 1.25 | 3.08 | ci3022160 |
| 1975-06-01T01:48:31.110Z | 34.525 | -116.491 | 0.01 | 3.32 | ci3022139 |
| 1975-06-01T01:38:48.740Z | 34.512 | -116.488 | 0.11 | 5.28 | ci3022138 |
| 1975-06-01T01:35:54.480Z | 34.512 | -116.487 | 1.16 | 3.43 | ci3022137 |
| 1975-06-01T01:21:21.940Z | 34.517 | -116.488 | 1 | 3.26 | ci3022136 |
| 1975-04-26T18:32:32.420Z | 33.457 | -116.563 | 9.65 | 3.45 | ci3076365 |
| 1975-04-19T18:46:12.950Z | 33.005 | -116.252 | 13.47 | 3.82 | ci3076302 |
| 1975-04-09T23:03:28.730Z | 33.465 | -116.436 | 0.21 | 3.21 | ci3076223 |

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|---|---|---|---|---|---|
| 1975-03-28T14:06:49.860Z | 33.98 | -115.663 | 4.68 | 3.19 | ci3039355 |
| 1975-03-27T22:40:28.300Z | 33.472 | -116.441 | 5.51 | 3.43 | ci3039341 |
| 1975-03-25T00:35:12.910Z | 32.995 | -116.255 | 13.32 | 3.3 | ci3039330 |
| 1975-03-21T12:02:31.590Z | 32.991 | -116.254 | 14.06 | 3.36 | ci3039307 |
| 1975-03-19T05:16:53.650Z | 32.992 | -116.253 | 6 | 3.31 | ci3039287 |
| 1975-03-05T07:35:48.210Z | 33.004 | -116.245 | 10.03 | 3.12 | ci3038014 |
| 1975-02-22T19:42:08.030Z | 33.505 | -116.521 | 14.89 | 3.01 | ci3037924 |
| 1975-02-10T12:51:17.410Z | 34.406 | -116.643 | 3.42 | 4.33 | ci3037845 |
| 1975-02-02T04:17:09.010Z | 33.984 | -115.664 | 7.15 | 3.18 | ci3037774 |
| 1975-02-01T04:57:27.490Z | 33.984 | -115.665 | 8.6 | 3.35 | ci3037749 |
| 1975-01-30T14:03:18.010Z | 34.006 | -116.745 | 12.85 | 3.13 | ci3037712 |
| 1974-12-23T20:51:41.220Z | 33.9656667 | -116.3531667 | 5.49 | 3.15 | ci3317597 |
| 1974-12-05T20:39:19.910Z | 33.0921667 | -116.5681667 | 14 | 3.15 | ci3317527 |
| 1974-11-28T23:07:59.220Z | 34.2558333 | -116.7813333 | 6 | 3.21 | ci3317500 |
| 1974-11-25T03:50:41.560Z | 33.5181667 | -116.5408333 | 6.62 | 3.28 | ci3317489 |
| 1974-11-21T19:02:34.390Z | 34.1725 | -116.5981667 | 8.37 | 3.26 | ci3317478 |
| 1974-11-17T12:06:59.210Z | 33.2501667 | -116.2891667 | 6 | 3.01 | ci3317459 |
| 1974-11-09T10:12:57.510Z | 33.5873333 | -116.6266667 | 6.9 | 3.21 | ci3317437 |
| 1974-11-09T10:10:35.720Z | 33.5936667 | -116.652 | 8.33 | 3.1 | ci3317434 |
| 1974-10-14T17:33:00.520Z | 34.2476667 | -117.1636667 | 5.87 | 3.22 | ci3317733 |
| 1974-10-11T13:21:31.180Z | 33.2081667 | -116.0976667 | 6 | 3.08 | ci3317728 |
| 1974-10-01T06:46:18.400Z | 33.2248333 | -116.2038333 | 6 | 3.15 | ci3317701 |
| 1974-09-21T10:37:41.810Z | 33.866 | -117.0738333 | 14 | 3.67 | ci3317665 |
| 1974-09-08T12:20:48.190Z | 33.2095 | -116.154 | 6 | 3.44 | ci3317629 |
| 1974-08-17T20:19:35.480Z | 34.6386667 | -116.3576667 | 6 | 3.06 | ci3317977 |
| 1974-08-17T12:44:46.990Z | 33.8051667 | -116.103 | 7.49 | 3.37 | ci3317976 |
| 1974-08-13T20:36:22.360Z | 34.6013333 | -116.3035 | 6 | 3.36 | ci3317949 |
| 1974-08-07T07:17:01.250Z | 34.6346667 | -116.3548333 | 6 | 3.09 | ci3317911 |
| 1974-08-04T09:08:06.450Z | 34.244 | -117.1681667 | 5.85 | 3.48 | ci3317897 |
| 1974-08-04T08:30:32.330Z | 34.6598333 | -116.3441667 | 6 | 3.1 | ci3317893 |
| 1974-08-01T09:04:09.150Z | 34.4913333 | -116.3635 | 6 | 3.21 | ci3317828 |
| 1974-08-01T05:47:57.770Z | 34.6281667 | -116.3051667 | 6 | 3.26 | ci3317819 |
| 1974-07-31T21:52:09.780Z | 34.6366667 | -116.3525 | 6 | 3.22 | ci3318013 |
| 1974-07-31T13:29:55.470Z | 34.5866667 | -116.3901667 | 6 | 3.06 | ci3318014 |
| 1974-07-31T09:07:20.290Z | 34.605 | -116.3805 | 6 | 3.14 | ci3318016 |
| 1974-07-30T12:23:06.830Z | 34.6421667 | -116.3608333 | 6 | 3.16 | ci3319123 |
| 1974-07-30T10:22:20.720Z | 34.6276667 | -116.3595 | 6 | 3.06 | ci3318024 |
| 1974-07-30T08:53:55.580Z | 34.6368333 | -116.2845 | 6 | 3.26 | ci3318026 |
| 1974-07-30T08:36:53.600Z | 34.6353333 | -116.3345 | 6 | 4.15 | ci3318027 |
| 1974-07-30T08:13:13.320Z | 34.6365 | -116.3341667 | 6 | 3.24 | ci3318029 |
| 1974-07-30T07:51:59.920Z | 34.6315 | -116.306 | 6 | 3.44 | ci3318030 |
| 1974-07-30T07:46:36.260Z | 34.5943333 | -116.3185 | 6 | 3.24 | ci3318032 |
| 1974-07-30T07:39:06.860Z | 34.627 | -116.3001667 | 6 | 4.26 | ci3318033 |

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|---|---|---|---|---|---|
| 1974-07-21T22:37:46.000Z | 34.6266667 | -116.3415 | 6 | 3.02 | ci3318045 |
| 1974-07-21T17:40:56.480Z | 34.6258333 | -116.3076667 | 6 | 3.54 | ci3318047 |
| 1974-07-21T17:39:35.010Z | 34.5223333 | -116.28 | 6 | 3.81 | ci3318048 |
| 1974-07-10T07:46:28.160Z | 34.1461667 | -116.7073333 | 6 | 3.47 | ci3318057 |
| 1974-06-23T16:12:59.910Z | 34.2816667 | -116.6008333 | 6 | 3.16 | ci3318100 |
| 1974-06-22T17:01:18.410Z | 34.2896667 | -116.5913333 | 6 | 3.2 | ci3318103 |
| 1974-05-22T00:28:36.490Z | 34.5351667 | -116.5196667 | 6 | 3.43 | ci3318225 |
| 1974-04-06T13:55:44.050Z | 33.3356667 | -116.3775 | 6 | 3.63 | ci3318504 |
| 1974-04-05T10:42:50.160Z | 34.5521667 | -116.394 | 6 | 4.05 | ci3318502 |
| 1974-04-01T14:07:22.110Z | 33.4785 | -116.4333333 | 6 | 3.05 | ci3318480 |
| 1974-03-27T17:22:53.920Z | 33.9508333 | -115.8585 | 9.74 | 3.4 | ci3318467 |
| 1974-03-27T07:04:26.910Z | 34.489 | -116.4515 | 6 | 3.79 | ci3318464 |
| 1974-03-27T06:47:56.760Z | 34.4808333 | -116.457 | 6 | 3.65 | ci3318462 |
| 1974-02-19T06:07:54.570Z | 33.7673333 | -116.0323333 | 1.53 | 3.3 | ci3318648 |
| 1974-02-16T13:01:50.700Z | 34.3581667 | -117.0283333 | 5.13 | 3 | ci12321883 |
| 1974-02-11T12:11:14.450Z | 33.4395 | -116.59 | 5.83 | 3.24 | ci3318632 |
| 1974-02-11T12:10:26.550Z | 33.4461667 | -116.5906667 | 4.67 | 3.26 | ci3318631 |
| 1974-01-31T06:05:28.880Z | 34.0255 | -117.048 | 13.56 | 3.8 | ci3318603 |
| 1974-01-30T07:06:31.270Z | 33.5148333 | -116.5103333 | 5.87 | 3.15 | ci3318679 |
| 1974-01-19T13:13:37.150Z | 34.3528333 | -117.036 | 6 | 3.71 | ci3318557 |
| 1973-12-21T00:30:30.450Z | 33.2538333 | -116.3106667 | 6 | 3.48 | ci3318813 |
| 1973-12-06T14:09:16.860Z | 33.2448333 | -115.9835 | 2.67 | 3.12 | ci3318931 |
| 1973-11-14T01:29:10.800Z | 33.4761667 | -116.497 | 17.9 | 3.14 | ci3319008 |
| 1973-10-21T23:20:51.950Z | 33.0621667 | -115.9475 | 6 | 3.34 | ci3318936 |
| 1973-10-14T07:31:51.840Z | 34.3851667 | -116.659 | 6 | 3.43 | ci3319242 |
| 1973-10-07T07:43:28.940Z | 33.244 | -116.2661667 | 10.01 | 3.08 | ci3319223 |
| 1973-10-07T06:38:08.170Z | 33.2551667 | -116.2956667 | 6 | 3.05 | ci3319222 |
| 1973-10-05T16:47:47.950Z | 34.2595 | -116.7836667 | 6 | 3.24 | ci3319219 |
| 1973-09-22T20:40:20.300Z | 33.483 | -116.383 | 8 | 3 | usp00003h6 |
| 1973-09-19T00:01:00.630Z | 33.1516667 | -116.4035 | 14 | 3.35 | ci3319352 |
| 1973-09-13T22:48:45.100Z | 32.9075 | -116.2531667 | 8.75 | 3.02 | ci3319327 |
| 1973-08-15T12:20:56.440Z | 33.3023333 | -116.312 | 7.45 | 3.1 | ci3319418 |
| 1973-07-17T14:15:22.620Z | 34.4075 | -116.8046667 | 6 | 3.39 | ci3319569 |
| 1973-07-16T03:43:01.890Z | 33.9791667 | -116.4023333 | 1.98 | 3.16 | ci3319563 |
| 1973-07-14T08:00:20.170Z | 34.4308333 | -116.8533333 | 6 | 4.49 | ci3319553 |
| 1973-07-04T06:32:03.790Z | 34.174 | -116.7485 | 6 | 3.72 | ci3319508 |
| 1973-06-27T23:31:07.310Z | 33.2153333 | -116.0476667 | 6 | 3 | ci3319878 |
| 1973-06-25T12:39:50.520Z | 33.8565 | -116.8346667 | 19 | 3.12 | ci3319803 |
| 1973-06-16T17:40:29.880Z | 32.9711667 | -116.2461667 | 15.94 | 3.31 | ci3319641 |
| 1973-05-28T15:42:45.380Z | 33.2801667 | -116.2735 | 6 | 3.03 | ci3320019 |
| 1973-05-27T20:22:58.550Z | 32.9785 | -116.2666667 | 6 | 3.12 | ci3320018 |
| 1973-05-18T06:35:19.360Z | 33.9813333 | -117.1235 | 10 | 3.23 | ci3319960 |
| 1973-05-08T12:41:25.810Z | 34.23 | -116.3108333 | 5.72 | 3.38 | ci3319914 |

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|---|---|---|---|---|---|
| 1973-05-03T10:09:46.850Z | 34.2383333 | -116.1303333 | 5.09 | 3.54 | ci3319904 |
| 1973-05-02T19:25:25.060Z | 33.9836667 | -116.3808333 | 0.01 | 3.04 | ci3319903 |
| 1973-04-12T13:57:02.050Z | 34.2986667 | -116.2906667 | 6.36 | 3.42 | ci3320052 |
| 1973-04-07T22:51:13.390Z | 34.279 | -116.3343333 | 0.39 | 3.28 | ci3320037 |
| 1973-04-03T22:30:44.330Z | 34.2865 | -116.2946667 | 7.92 | 3.23 | ci3320029 |
| 1973-03-28T17:52:26.290Z | 34.1118333 | -117.36 | 13.55 | 3.33 | ci3320298 |
| 1973-03-24T08:11:31.860Z | 34.4686667 | -116.4801667 | 6 | 3.05 | ci3320166 |
| 1973-03-24T05:31:08.040Z | 32.9928333 | -116.4165 | 6 | 3.24 | ci3320165 |
| 1973-03-07T22:59:14.610Z | 33.0325 | -116.2378333 | 6 | 3.2 | ci3320409 |
| 1973-02-25T05:41:41.990Z | 33.246 | -116.7858333 | 8.39 | 3.05 | ci3320388 |
| 1973-02-09T07:41:03.590Z | 34.2978333 | -116.1226667 | 15.71 | 3.28 | ci3320312 |
| 1973-01-22T10:24:29.140Z | 33.2456667 | -116.2436667 | 6 | 3.05 | ci3320444 |
| 1973-01-13T18:46:21.050Z | 33.4786667 | -116.4598333 | 5.25 | 3.32 | ci3320428 |
| 1972-12-28T20:07:25.220Z | 33.4866667 | -116.5396667 | 5.64 | 3.2 | ci3320636 |
| 1972-12-22T11:28:35.740Z | 34.0931667 | -116.7633333 | 6 | 3.59 | ci3320632 |
| 1972-12-19T22:32:21.830Z | 33.9591667 | -116.1073333 | 0.02 | 3.53 | ci3320595 |
| 1972-12-18T05:52:32.230Z | 33.2426667 | -116.0841667 | 6 | 3.22 | ci3320588 |
| 1972-12-04T03:02:44.310Z | 33.2441667 | -116.0408333 | 6 | 3.3 | ci3320561 |
| 1972-11-18T15:08:38.650Z | 34.0093333 | -116.7886667 | 6 | 3.55 | ci3320674 |
| 1972-11-10T21:02:52.180Z | 33.9983333 | -116.9268333 | 14.61 | 3.36 | ci3320647 |
| 1972-11-04T07:16:44.060Z | 33.7083333 | -116.7201667 | 6 | 3.17 | ci3320639 |
| 1972-10-19T13:26:46.940Z | 32.952 | -116.2553333 | 6 | 3.53 | ci3320773 |
| 1972-09-11T19:58:32.400Z | 34.0001667 | -116.3773333 | 0.01 | 3.26 | ci3320986 |
| 1972-09-11T09:40:28.530Z | 34.0051667 | -117.2286667 | 14.5 | 3.85 | ci3320983 |
| 1972-09-11T06:43:59.630Z | 33.482 | -116.4016667 | 3.26 | 3.13 | ci3320982 |
| 1972-08-01T09:20:01.020Z | 34.2891667 | -116.9608333 | 0.95 | 3.17 | ci3321115 |
| 1972-07-29T01:18:51.880Z | 33.2285 | -116.7875 | 12.08 | 3.28 | ci3321107 |
| 1972-06-29T06:41:09.050Z | 34.319 | -117.1038333 | 6 | 3.46 | ci3321244 |
| 1972-06-22T22:02:00.880Z | 33.2473333 | -116.0715 | 6 | 3.12 | ci3321235 |
| 1972-06-22T19:21:30.490Z | 33.4935 | -116.4538333 | 13.25 | 3.31 | ci3321232 |
| 1972-06-11T14:26:27.000Z | 33.2833333 | -116.2666667 | 6 | 3 | ci12316187 |
| 1972-05-20T21:44:15.920Z | 33.9933333 | -116.6255 | 6 | 3.04 | ci3321437 |
| 1972-04-27T22:29:42.490Z | 33.4521667 | -116.8763333 | 9.34 | 3.34 | ci3321372 |
| 1972-04-17T06:24:21.770Z | 34.1555 | -116.6798333 | 6 | 3.22 | ci3321356 |
| 1972-04-14T20:00:58.360Z | 34.099 | -116.3743333 | 6 | 3.99 | ci3321352 |
| 1972-04-07T07:17:52.490Z | 33.7831667 | -115.708 | 6 | 3.1 | ci3321339 |
| 1972-04-06T06:01:15.080Z | 33.6328333 | -115.756 | 6 | 3 | ci3321337 |
| 1972-04-05T19:52:51.090Z | 33.7858333 | -115.7238333 | 6 | 3.17 | ci3321513 |
| 1972-04-05T14:13:40.630Z | 33.7228333 | -115.7415 | 2 | 3.06 | ci3321512 |
| 1972-04-05T09:24:56.660Z | 33.7073333 | -115.7463333 | 0.38 | 3.2 | ci3321510 |
| 1972-04-05T05:53:28.290Z | 33.7701667 | -115.6983333 | 0.02 | 3.03 | ci3321508 |
| 1972-04-01T23:55:15.010Z | 33.8865 | -116.3045 | 6 | 3.19 | ci3321503 |
| 1972-03-25T02:27:39.600Z | 33.2616667 | -116.0321667 | 6 | 3.54 | ci3321495 |

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|---|---|---|---|---|---|
| 1972-03-17T19:48:08.310Z | 33.9818333 | -117.1886667 | 12.47 | 3.31 | ci3321489 |
| 1972-03-04T15:29:20.660Z | 33.2105 | -116.9513333 | 2.8 | 3.54 | ci3321480 |
| 1972-03-01T07:49:37.250Z | 33.428 | -116.9561667 | 5.12 | 3 | ci3321473 |
| 1972-02-17T15:54:30.220Z | 34.0356667 | -116.4728333 | 6 | 3.36 | ci3321598 |
| 1972-01-31T01:55:04.310Z | 34.3058333 | -116.8828333 | 6 | 4.01 | ci3321559 |
| 1972-01-29T10:12:22.660Z | 33.8896667 | -116.3048333 | 6 | 3.39 | ci3321555 |
| 1972-01-28T17:00:21.830Z | 34.2933333 | -116.138 | 6 | 3.78 | ci3321554 |
| 1972-01-26T00:00:30.490Z | 32.9608333 | -116.2763333 | 6 | 3.26 | ci3321549 |
| 1972-01-11T06:15:10.620Z | 33.8078333 | -116.3335 | 6 | 3.08 | ci3321669 |
| 1972-01-11T06:13:43.870Z | 33.916 | -116.3116667 | 6 | 3.48 | ci3321668 |
| 1972-01-11T04:23:43.190Z | 33.877 | -116.2725 | 6 | 3.72 | ci3321667 |
| 1972-01-11T02:17:08.530Z | 33.7481667 | -116.2931667 | 6 | 3.44 | ci3321663 |
| 1972-01-11T01:47:33.240Z | 33.7978333 | -116.283 | 6 | 3.35 | ci3321659 |
| 1972-01-11T01:34:11.750Z | 33.8711667 | -116.2951667 | 6 | 3.22 | ci3321658 |
| 1972-01-07T04:08:23.910Z | 33.1816667 | -116.8005 | 6.8 | 3.34 | ci3321641 |
| 1971-12-31T16:58:57.310Z | 33.6248333 | -116.0835 | 6 | 3.58 | ci3321636 |
| 1971-12-24T22:20:51.330Z | 32.9633333 | -115.99 | 6 | 3.26 | ci3321628 |
| 1971-11-22T07:53:55.730Z | 34.3165 | -117.1281667 | 0 | 3.07 | ci3321727 |
| 1971-11-22T06:53:50.750Z | 34.3276667 | -117.1465 | 2.32 | 3 | ci3321726 |
| 1971-10-28T23:52:30.290Z | 33.238 | -116.9015 | 22.44 | 3.12 | ci3321937 |
| 1971-10-27T04:20:59.810Z | 33.2823333 | -116.1858333 | 6 | 3.09 | ci3321933 |
| 1971-10-22T02:00:53.900Z | 34.2818333 | -116.8406667 | 0.01 | 3.03 | ci3321907 |
| 1971-10-18T21:08:27.800Z | 33.9633333 | -116.4855 | 6 | 3.29 | ci3321899 |
| 1971-10-09T12:39:32.220Z | 32.9725 | -116.3125 | 6 | 3.11 | ci3321864 |
| 1971-10-06T06:49:15.100Z | 33.0705 | -115.8021667 | 6 | 3.73 | ci3321857 |
| 1971-10-05T12:51:25.190Z | 32.9375 | -116.2668333 | 6 | 3.55 | ci3321854 |
| 1971-09-24T00:22:09.100Z | 33.2308333 | -116.8426667 | 13.05 | 3.09 | ci3322164 |
| 1971-09-23T20:35:52.670Z | 32.9591667 | -116.3281667 | 6 | 3.07 | ci3322163 |
| 1971-09-15T08:23:59.990Z | 34.0996667 | -117.3241667 | 10.54 | 3.02 | ci3322152 |
| 1971-09-11T18:54:32.880Z | 33.0176667 | -116.3303333 | 6 | 3.18 | ci3322138 |
| 1971-09-06T16:14:28.730Z | 34.5078333 | -116.304 | 6 | 3.1 | ci3322122 |
| 1971-08-25T23:00:33.220Z | 32.9408333 | -116.2918333 | 6 | 3.92 | ci3322044 |
| 1971-08-17T11:46:09.340Z | 33.4255 | -117.0875 | 3.54 | 3.13 | ci3321969 |
| 1971-07-25T17:31:29.700Z | 33.9943333 | -117.2218333 | 10.38 | 3.09 | ci3322396 |
| 1971-07-25T13:34:31.320Z | 34.0545 | -117.1683333 | 3.39 | 3.01 | ci3322357 |
| 1971-07-15T10:38:51.330Z | 34.2313333 | -117.2231667 | 0 | 3.19 | ci3322179 |
| 1971-06-21T19:24:07.400Z | 33.8568333 | -115.7875 | 6 | 3.31 | ci3322506 |
| 1971-06-06T03:49:10.120Z | 34.5731667 | -116.795 | 6 | 3.23 | ci3322934 |
| 1971-05-26T18:16:53.050Z | 33.262 | -116.7756667 | 7.9 | 3.02 | ci3322919 |
| 1971-05-25T10:02:53.270Z | 33.106 | -116.379 | 6 | 4.09 | ci3322917 |
| 1971-05-22T20:29:33.670Z | 33.1175 | -116.3901667 | 6 | 3.77 | ci3322909 |
| 1971-05-20T17:30:55.140Z | 32.9753333 | -116.3071667 | 6 | 3.06 | ci3322906 |
| 1971-05-16T01:56:56.080Z | 32.9775 | -116.0166667 | 6 | 3.03 | ci3322867 |

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|---|---|---|---|---|---|
| 1971-05-14T12:37:07.900Z | 33.0018333 | -116.3175 | 6 | 3.26 | ci3322857 |
| 1971-05-09T19:29:56.860Z | 34.4623333 | -116.5091667 | 6 | 3 | ci3322839 |
| 1971-05-06T19:45:58.890Z | 33.2486667 | -116.7843333 | 8.01 | 3.38 | ci3322806 |
| 1971-05-01T04:16:21.310Z | 34.3825 | -116.5843333 | 6 | 3.3 | ci3322785 |
| 1971-04-19T10:41:06.750Z | 33.3233333 | -116.2243333 | 6 | 3.73 | ci3323066 |
| 1971-04-04T00:32:22.100Z | 34.0231667 | -116.3191667 | 6 | 3.44 | ci3322989 |
| 1971-03-07T16:34:56.870Z | 33.4441667 | -116.4715 | 7.68 | 3.21 | ci3323229 |
| 1971-02-27T05:40:04.310Z | 34.5736667 | -116.8181667 | 6 | 3.59 | ci3323378 |
| 1971-02-23T00:11:44.920Z | 33.472 | -116.4616667 | 6.51 | 3.25 | ci3323355 |
| 1971-02-23T00:07:41.080Z | 33.4015 | -116.6378333 | 30.87 | 4.19 | ci3323354 |
| 1971-02-18T04:35:17.130Z | 33.8738333 | -116.12 | 6 | 3.24 | ci3323327 |
| 1971-02-14T12:07:48.140Z | 33.8493333 | -116.1171667 | 6 | 3.2 | ci3323297 |
| 1971-02-08T21:29:14.720Z | 33.0811667 | -115.9785 | 6 | 3.18 | ci3323479 |
| 1971-01-23T09:27:09.270Z | 34.2235 | -116.4828333 | 6 | 3.07 | ci3323454 |
| 1971-01-22T22:41:26.610Z | 34.2246667 | -116.4761667 | 6 | 3.03 | ci3323452 |
| 1971-01-19T02:36:12.680Z | 33.9638333 | -116.7495 | 6 | 3.49 | ci3323443 |
| 1971-01-16T04:09:19.590Z | 33.4715 | -116.4215 | 6 | 3.49 | ci3323437 |
| 1971-01-14T02:28:40.810Z | 33.4555 | -116.7205 | 16.71 | 3.25 | ci3323433 |
| 1970-12-24T23:28:22.280Z | 33.009 | -116.2896667 | 6 | 3.68 | ci3323541 |
| 1970-12-15T03:51:28.350Z | 34.5463333 | -116.4503333 | 6 | 3.16 | ci3323533 |
| 1970-12-14T19:14:19.150Z | 34.3296667 | -115.706 | 6 | 3.83 | ci3323532 |
| 1970-11-19T03:49:26.120Z | 33.1048333 | -115.9421667 | 6 | 3.06 | ci3323510 |
| 1970-11-15T09:30:06.500Z | 34.3635 | -116.9293333 | 6 | 3.02 | ci3323500 |
| 1970-11-13T16:22:54.460Z | 34.1646667 | -117.2638333 | 7.35 | 3.45 | ci3323491 |
| 1970-11-03T03:17:05.670Z | 33.9575 | -116.6345 | 6 | 3.44 | ci3323623 |
| 1970-10-26T06:53:51.260Z | 33.0161667 | -116.3958333 | 6 | 3.19 | ci3323604 |
| 1970-10-23T18:27:18.760Z | 33.0746667 | -116.384 | 6 | 3.64 | ci3323592 |
| 1970-09-29T08:14:02.110Z | 33.2403333 | -116.275 | 6 | 3.06 | ci3323712 |
| 1970-09-08T01:51:50.750Z | 33.8685 | -117.0838333 | 6 | 3.01 | ci3323877 |
| 1970-09-01T21:24:56.730Z | 34.2303333 | -117.0773333 | 5.33 | 3.29 | ci3323858 |
| 1970-08-23T20:06:13.450Z | 34.2881667 | -116.3958333 | 6 | 3.18 | ci3323845 |
| 1970-08-20T22:03:40.310Z | 34.2408333 | -115.815 | 6 | 3.57 | ci3323836 |
| 1970-08-14T07:39:56.960Z | 34.037 | -115.9903333 | 6 | 3.37 | ci3323819 |
| 1970-07-16T06:00:38.470Z | 32.9151667 | -116.2396667 | 6 | 3.56 | ci3324018 |
| 1970-07-03T05:18:53.070Z | 34.3278333 | -116.772 | 6 | 3.37 | ci3323923 |
| 1970-06-14T04:18:40.590Z | 33.8583333 | -116.2808333 | 6 | 3.01 | ci3324110 |
| 1970-06-13T08:03:09.300Z | 33.8415 | -116.2471667 | 6 | 3.01 | ci3324099 |
| 1970-06-07T21:49:32.580Z | 33.7983333 | -117.0475 | 2.01 | 3.01 | ci3324096 |
| 1970-05-27T16:04:06.110Z | 33.1085 | -116.0888333 | 6 | 3.14 | ci3324219 |
| 1970-04-27T13:22:57.820Z | 33.8158333 | -116.1195 | 6 | 3.15 | ci3324294 |
| 1970-04-02T09:29:54.200Z | 34.1306667 | -116.1236667 | 6 | 3.37 | ci3324267 |
| 1970-02-11T22:26:36.170Z | 33.7488333 | -117.0383333 | 6 | 3.05 | ci3324945 |
| 1970-01-14T00:06:22.370Z | 33.2588333 | -115.9601667 | 6 | 3.09 | ci3324899 |

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|---|---|---|---|---|---|
| 1970-01-05T12:04:34.860Z | 33.2428333 | -115.986 | 6 | 3.04 | ci3324834 |
| 1970-01-03T19:48:40.840Z | 33.9605 | -116.8305 | 6 | 3.16 | ci3324959 |
| 1969-12-16T17:05:45.580Z | 33.2175 | -115.9295 | 6 | 3.66 | ci3325844 |
| 1969-12-13T09:46:07.030Z | 33.6221667 | -116.6971667 | 10.8 | 3.09 | ci3325835 |
| 1969-12-01T15:15:35.210Z | 32.9626667 | -116.2123333 | 6 | 3.71 | ci3325788 |
| 1969-11-29T22:18:42.010Z | 33.0171667 | -116.255 | 6 | 3.29 | ci3326050 |
| 1969-11-15T16:18:12.310Z | 34.0045 | -116.737 | 6 | 3.01 | ci3325969 |
| 1969-11-07T01:43:19.560Z | 33.1565 | -116.1371667 | 6 | 3.11 | ci3325932 |
| 1969-10-23T17:31:47.620Z | 33.952 | -116.722 | 6 | 3.13 | ci3326119 |
| 1969-10-14T13:18:42.780Z | 32.9301667 | -116.2803333 | 6 | 4.43 | ci3326071 |
| 1969-10-08T16:25:10.640Z | 33.2263333 | -116.0783333 | 6 | 3.6 | ci3326934 |
| 1969-09-28T23:17:30.570Z | 33.2 | -116.0493333 | 6 | 3.77 | ci3326292 |
| 1969-09-26T07:24:00.660Z | 32.9878333 | -116.2673333 | 6 | 3.15 | ci3326288 |
| 1969-09-09T20:14:40.830Z | 34.268 | -116.7901667 | 6 | 3.44 | ci3327091 |
| 1969-09-09T08:21:21.060Z | 33.6423333 | -115.9676667 | 2.09 | 3.6 | ci3327090 |
| 1969-08-29T17:42:18.030Z | 34.0418333 | -117.2915 | 6 | 3.11 | ci3326983 |
| 1969-08-25T11:30:51.550Z | 33.4225 | -116.5001667 | 12.9 | 3.09 | ci3326976 |
| 1969-08-24T07:17:01.330Z | 33.506 | -116.7326667 | 9.9 | 3.09 | ci3326972 |
| 1969-08-20T15:39:25.210Z | 33.0045 | -116.2428333 | 6 | 3.08 | ci3326966 |
| 1969-08-20T15:29:57.540Z | 33.016 | -116.2401667 | 6 | 3.96 | ci3326965 |
| 1969-07-24T22:40:07.070Z | 33.038 | -116.2748333 | 6 | 3.07 | ci3327117 |
| 1969-07-23T03:12:38.510Z | 33.2765 | -116.2853333 | 6 | 3.01 | ci3327104 |
| 1969-06-29T00:12:27.310Z | 34.2135 | -115.8913333 | 6 | 3.08 | ci3327213 |
| 1969-06-28T23:11:20.840Z | 34.2566667 | -115.8111667 | 6 | 3.3 | ci3327211 |
| 1969-06-11T16:12:09.620Z | 33.3308333 | -116.2351667 | 6 | 3.36 | ci3327321 |
| 1969-06-11T14:03:53.660Z | 34.2215 | -116.2851667 | 6 | 3.56 | ci3327320 |
| 1969-06-08T13:59:37.230Z | 33.2248333 | -115.9556667 | 6 | 3.87 | ci3327308 |
| 1969-06-05T11:19:24.960Z | 33.1003333 | -115.8915 | 6 | 3.47 | ci3327548 |
| 1969-06-04T09:36:16.370Z | 33.262 | -116.257 | 6 | 3.22 | ci3327543 |
| 1969-05-19T14:40:32.790Z | 33.3593333 | -116.178 | 6 | 4.47 | ci3327380 |
| 1969-05-11T08:25:24.230Z | 34.3923333 | -116.4805 | 6 | 3.03 | ci3327366 |
| 1969-05-10T07:31:55.940Z | 33.1651667 | -116.0473333 | 6 | 3.17 | ci3327364 |
| 1969-04-30T23:16:36.870Z | 33.3381667 | -116.2591667 | 6 | 3.02 | ci3327623 |
| 1969-04-30T16:45:25.220Z | 33.293 | -116.2478333 | 6 | 3.53 | ci3327619 |
| 1969-04-28T23:20:44.870Z | 33.2591667 | -116.361 | 6 | 5.46 | ci3327613 |
| 1969-04-06T19:38:25.560Z | 33.9048333 | -115.5231667 | 0.01 | 3.03 | ci3327570 |
| 1969-04-06T15:30:05.420Z | 34.5266667 | -116.4558333 | 6 | 3.07 | ci3327569 |
| 1969-04-04T06:05:23.890Z | 33.4821667 | -116.7411667 | 8.82 | 3.07 | ci3327562 |
| 1969-04-01T23:50:20.280Z | 33.481 | -116.5435 | 5.85 | 3.03 | ci3327558 |
| 1969-03-29T06:57:26.840Z | 32.9461667 | -116.221 | 6 | 3.48 | ci3327803 |
| 1969-03-23T23:23:32.770Z | 33.8503333 | -115.9983333 | 6 | 3 | ci3327802 |
| 1969-03-17T03:06:51.740Z | 34.1515 | -117.3488333 | 4.22 | 3.33 | ci3327673 |
| 1969-03-05T13:53:50.160Z | 34.1956667 | -117.3343333 | 0 | 3.36 | ci3327861 |

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|---|---|---|---|---|---|
| 1969-02-23T20:11:24.300Z | 33.731 | -117.1378333 | 6 | 3.03 | ci3327841 |
| 1969-02-05T06:01:46.580Z | 33.9891667 | -116.2458333 | 6 | 3.24 | ci3327816 |
| 1969-01-25T03:40:42.970Z | 33.851 | -115.8068333 | 6 | 3.42 | ci3327919 |
| 1969-01-25T03:00:00.610Z | 33.8875 | -115.7816667 | 6 | 4.12 | ci3327915 |
| 1969-01-25T02:36:07.650Z | 33.8518333 | -116.0051667 | 6 | 3.03 | ci3327914 |
| 1969-01-24T00:12:02.030Z | 33.847 | -116.0061667 | 6 | 3.04 | ci3327913 |
| 1969-01-24T00:09:25.760Z | 33.8736667 | -116.0275 | 6 | 3.54 | ci3327912 |
| 1969-01-23T23:01:00.440Z | 33.8915 | -116.0493333 | 6 | 4.75 | ci3327909 |
| 1969-01-15T09:56:10.350Z | 34.2495 | -115.8668333 | 6 | 3.14 | ci3327899 |
| 1969-01-13T16:23:47.800Z | 34.0196667 | -116.8716667 | 6 | 3.45 | ci3327898 |
| 1968-12-29T13:30:15.550Z | 33.667 | -116.7628333 | 0 | 3.32 | ci3328122 |
| 1968-12-20T19:33:41.070Z | 34.007 | -116.3275 | 6 | 3.1 | ci3328107 |
| 1968-12-17T22:53:51.170Z | 33.0383333 | -115.8376667 | 6 | 4.61 | ci3328220 |
| 1968-12-14T22:30:30.660Z | 32.9 | -116.2498333 | 6 | 3.43 | ci3328215 |
| 1968-12-12T06:14:57.210Z | 34.0591667 | -116.9886667 | 2.77 | 3.2 | ci3328208 |
| 1968-11-28T02:29:57.850Z | 32.975 | -116.2503333 | 6 | 3.33 | ci3328189 |
| 1968-11-23T10:33:50.640Z | 33.3111667 | -116.2075 | 6 | 3.08 | ci3328187 |
| 1968-11-05T11:50:50.410Z | 33.4228333 | -116.4286667 | 6 | 3.03 | ci3328274 |
| 1968-10-31T04:04:43.880Z | 33.0455 | -116.0385 | 6 | 3.11 | ci3328268 |
| 1968-10-28T23:53:13.040Z | 32.9581667 | -116.2865 | 6 | 3.14 | ci3328264 |
| 1968-10-28T11:51:55.270Z | 33.0185 | -116.0401667 | 6 | 3.05 | ci3328261 |
| 1968-10-19T12:07:17.820Z | 34.028 | -116.7708333 | 13.01 | 3.09 | ci3328250 |
| 1968-10-08T19:18:30.600Z | 34.1335 | -117.067 | 7.11 | 3.07 | ci3328231 |
| 1968-10-07T14:15:21.470Z | 33.332 | -116.4571667 | 16.16 | 3.56 | ci3328230 |
| 1968-10-05T00:55:52.180Z | 33.532 | -117.3271667 | 6 | 3.11 | ci3328336 |
| 1968-10-04T10:57:39.430Z | 33.5071667 | -117.3855 | 6 | 3.57 | ci3328323 |
| 1968-09-29T04:06:07.010Z | 33.1123333 | -116.024 | 6 | 3.3 | ci3328309 |
| 1968-08-17T07:44:41.540Z | 34.1105 | -117.2766667 | 6.23 | 3.25 | ci3328668 |
| 1968-08-14T09:19:22.310Z | 33.2965 | -116.2373333 | 6 | 3.63 | ci3328663 |
| 1968-08-06T10:18:40.220Z | 34.0641667 | -116.5045 | 6 | 3.74 | ci3328653 |
| 1968-08-01T05:54:32.030Z | 34.084 | -116.7646667 | 6 | 3.5 | ci3328650 |
| 1968-07-08T15:18:03.390Z | 33.9443333 | -116.7111667 | 6 | 3.44 | ci3328715 |
| 1968-06-26T21:35:11.250Z | 33.2825 | -115.9936667 | 6 | 3.03 | ci3328746 |
| 1968-06-20T16:10:47.430Z | 33.424 | -116.9001667 | 9.77 | 3.37 | ci3328739 |
| 1968-06-14T16:38:12.140Z | 33.0336667 | -115.994 | 6 | 3.14 | ci3328810 |
| 1968-06-11T05:32:16.900Z | 33.3276667 | -116.3538333 | 6 | 3.02 | ci3328802 |
| 1968-06-06T13:18:05.070Z | 32.9828333 | -115.9388333 | 6 | 3.13 | ci3328793 |
| 1968-06-04T03:48:19.770Z | 33.0203333 | -116.0496667 | 6 | 3.14 | ci3328786 |
| 1968-06-03T10:06:41.910Z | 34.3196667 | -117.0071667 | 2.65 | 3.01 | ci3328782 |
| 1968-05-26T06:46:27.950Z | 33.0085 | -116.0376667 | 6 | 3.17 | ci3328909 |
| 1968-05-22T13:26:55.130Z | 33.3148333 | -116.2405 | 6 | 4.04 | ci3328899 |
| 1968-05-21T14:34:31.610Z | 33.0301667 | -116.0126667 | 6 | 3.06 | ci3328896 |
| 1968-05-20T04:04:17.620Z | 33.0368333 | -116.1426667 | 6 | 3.14 | ci3328891 |

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|---|---|---|---|---|---|
| 1968-05-11T18:06:02.110Z | 34.316 | -117.0255 | 1.69 | 3.04 | ci3328874 |
| 1968-05-11T08:46:03.580Z | 33.0126667 | -116.0123333 | 6 | 3.51 | ci3328870 |
| 1968-05-11T08:10:03.910Z | 32.9921667 | -115.999 | 6 | 3.99 | ci3328869 |
| 1968-05-10T05:28:07.460Z | 33.0011667 | -116.026 | 6 | 3.01 | ci3328868 |
| 1968-05-10T04:32:25.010Z | 32.9851667 | -116.0278333 | 6 | 3.24 | ci3328867 |
| 1968-05-09T10:21:45.760Z | 33.1145 | -116.0021667 | 6 | 3.54 | ci3328866 |
| 1968-05-08T16:23:37.730Z | 33.1601667 | -116.1371667 | 6 | 3.14 | ci3328823 |
| 1968-05-07T07:56:37.200Z | 33.2411667 | -116.1035 | 6 | 3.01 | ci3328820 |
| 1968-05-06T10:53:36.370Z | 32.9951667 | -115.9925 | 6 | 3.45 | ci3329003 |
| 1968-05-03T12:15:40.190Z | 33.0006667 | -115.9661667 | 6 | 3.09 | ci3328989 |
| 1968-05-02T00:55:29.610Z | 33.2771667 | -116.2391667 | 6 | 3.44 | ci3328979 |
| 1968-04-30T00:53:35.610Z | 33.3936667 | -116.9266667 | 5.51 | 3.48 | ci3328971 |
| 1968-04-29T22:12:35.290Z | 33.4171667 | -116.9093333 | 11.39 | 3.36 | ci3328970 |
| 1968-04-25T23:07:27.930Z | 33.0701667 | -116.0383333 | 6 | 3.03 | ci3328947 |
| 1968-04-24T22:09:54.650Z | 33.0255 | -116.028 | 6 | 3.39 | ci3328945 |
| 1968-04-24T09:03:12.260Z | 33.0725 | -116.0276667 | 6 | 3.36 | ci3328942 |
| 1968-04-20T09:37:36.960Z | 33.3275 | -116.2068333 | 6 | 3.11 | ci3329104 |
| 1968-04-18T17:42:12.930Z | 34.324 | -116.8883333 | 6 | 4.12 | ci3329101 |
| 1968-04-17T03:14:25.870Z | 33.2305 | -116.2146667 | 6 | 3.3 | ci3329094 |
| 1968-04-17T02:43:47.030Z | 33.0323333 | -115.9685 | 6 | 3.76 | ci3329093 |
| 1968-04-16T03:30:28.940Z | 33.0761667 | -115.9736667 | 6 | 4.48 | ci3329092 |
| 1968-04-15T22:07:05.790Z | 32.9818333 | -115.9528333 | 6 | 3.04 | ci3329090 |
| 1968-04-15T21:56:49.590Z | 33.008 | -115.9731667 | 6 | 3.24 | ci3329089 |
| 1968-04-15T12:28:07.720Z | 33.2875 | -116.286 | 6 | 3.31 | ci3329085 |
| 1968-04-15T10:07:12.100Z | 33.356 | -116.246 | 6 | 3.03 | ci3329084 |
| 1968-04-14T16:46:30.230Z | 33.138 | -116.0898333 | 6 | 3.04 | ci3329082 |
| 1968-04-14T12:55:58.500Z | 33.2291667 | -116.2181667 | 11 | 4.33 | ci3329078 |
| 1968-04-14T01:23:04.020Z | 32.9215 | -116.2618333 | 10.4 | 3.18 | ci3329075 |
| 1968-04-13T18:23:24.630Z | 33.0923333 | -116.0778333 | 6 | 3.32 | ci3329074 |
| 1968-04-13T10:05:18.370Z | 33.0331667 | -116.037 | 6 | 3.2 | ci3329071 |
| 1968-04-13T08:27:06.900Z | 33.0801667 | -116.0811667 | 6 | 3.19 | ci3329068 |
| 1968-04-13T01:23:49.270Z | 33.252 | -116.1991667 | 6 | 3.5 | ci3329067 |
| 1968-04-12T21:02:58.230Z | 33.0636667 | -116.0033333 | 6 | 3.14 | ci3329065 |
| 1968-04-12T15:26:45.160Z | 32.9926667 | -115.9265 | 6 | 3.04 | ci3329064 |
| 1968-04-12T13:42:49.410Z | 33.24 | -116.253 | 6 | 3.09 | ci3329063 |
| 1968-04-12T12:59:53.240Z | 32.9903333 | -115.9676667 | 6 | 3.06 | ci3329061 |
| 1968-04-12T01:37:00.290Z | 33.1381667 | -116.0218333 | 6 | 3.43 | ci3329054 |
| 1968-04-11T22:28:23.610Z | 33.1026667 | -116.0576667 | 6 | 3.35 | ci3329050 |
| 1968-04-11T17:01:50.540Z | 32.9121667 | -116.2233333 | 6 | 3.41 | ci3329048 |
| 1968-04-11T15:56:57.000Z | 33.1666667 | -116.1166667 | 6 | 3.7 | ci10086822 |
| 1968-04-11T15:56:26.960Z | 33.0181667 | -116.104 | 6 | 3.42 | ci3329046 |
| 1968-04-11T11:00:24.520Z | 33.1961667 | -116.1721667 | 6 | 3 | ci3329045 |
| 1968-04-11T01:12:23.960Z | 33.195 | -116.046 | 6 | 3.1 | ci3329041 |

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|---|---|---|---|---|---|
| 1968-04-10T19:11:06.230Z | 33.1605 | -116.118 | 6 | 3.3 | ci3329035 |
| 1968-04-10T19:10:42.670Z | 33.1123333 | -116.0371667 | 6 | 3.42 | ci3329034 |
| 1968-04-10T13:33:03.910Z | 33.2301667 | -116.0468333 | 6 | 3.83 | ci3329032 |
| 1968-04-10T09:22:57.350Z | 33.1345 | -116.0951667 | 6 | 3.16 | ci3329022 |
| 1968-04-10T06:05:11.600Z | 33.2666667 | -116.2186667 | 6 | 3.23 | ci3329021 |
| 1968-04-10T05:33:52.650Z | 33.1185 | -116.1023333 | 6 | 3.08 | ci3329020 |
| 1968-04-10T05:26:28.080Z | 33.0043333 | -116.0105 | 6 | 3.23 | ci3329019 |
| 1968-04-10T04:05:12.660Z | 33.087 | -116.0736667 | 6 | 3.37 | ci3329017 |
| 1968-04-10T00:17:41.510Z | 33.1505 | -116.0876667 | 6 | 3.29 | ci3329010 |
| 1968-04-10T00:01:11.010Z | 33.0576667 | -116.035 | 6 | 3.49 | ci3329009 |
| 1968-04-09T21:39:04.140Z | 33.1053333 | -116.1153333 | 6 | 3.24 | ci3329221 |
| 1968-04-09T20:43:47.540Z | 33.045 | -115.9901667 | 6 | 3 | ci3329219 |
| 1968-04-09T19:32:45.660Z | 33.034 | -116.0311667 | 6 | 3.34 | ci3329218 |
| 1968-04-09T18:31:03.790Z | 33.2963333 | -116.2915 | 14 | 4.45 | ci3329217 |
| 1968-04-09T17:25:36.500Z | 33.1056667 | -116.062 | 6 | 3.51 | ci3329216 |
| 1968-04-09T16:20:56.200Z | 33.1998333 | -116.1925 | 6 | 3.32 | ci3329215 |
| 1968-04-09T15:25:17.700Z | 33.107 | -116.0565 | 6 | 3.19 | ci3329212 |
| 1968-04-09T12:24:28.000Z | 33.1666667 | -116.1166667 | 6 | 3 | ci10086818 |
| 1968-04-09T12:20:00.670Z | 33.2473333 | -116.2188333 | 6 | 3.55 | ci3329211 |
| 1968-04-09T11:31:11.870Z | 33.0821667 | -116.0366667 | 6 | 3.1 | ci3329209 |
| 1968-04-09T11:17:54.410Z | 33.0828333 | -116.0426667 | 6 | 3.88 | ci3329208 |
| 1968-04-09T11:11:49.650Z | 33.1978333 | -116.1475 | 6 | 3.02 | ci3329207 |
| 1968-04-09T10:42:09.110Z | 33.1505 | -116.1236667 | 6 | 3.09 | ci3329206 |
| 1968-04-09T09:38:32.810Z | 33.2123333 | -116.2205 | 6 | 3.86 | ci3329202 |
| 1968-04-09T09:26:25.670Z | 33.0648333 | -116.0525 | 6 | 3.69 | ci3329201 |
| 1968-04-09T08:43:51.930Z | 33.297 | -116.2083333 | 6 | 3.36 | ci3329200 |
| 1968-04-09T08:27:23.830Z | 33.302 | -116.3048333 | 6 | 3.47 | ci3329199 |
| 1968-04-09T08:02:26.000Z | 33.1666667 | -116.1166667 | 6 | 3.5 | ci10086814 |
| 1968-04-09T08:00:37.760Z | 32.9986667 | -115.9808333 | 6 | 4.08 | ci3329198 |
| 1968-04-09T07:40:46.490Z | 33.0913333 | -116.0833333 | 6 | 3.25 | ci3329197 |
| 1968-04-09T07:38:21.730Z | 33.1748333 | -116.1245 | 6 | 3.2 | ci3329196 |
| 1968-04-09T07:36:23.000Z | 33.1666667 | -116.1166667 | 6 | 3.6 | ci10086810 |
| 1968-04-09T07:35:44.860Z | 33.338 | -115.9405 | 6 | 3.38 | ci3329194 |
| 1968-04-09T07:20:47.290Z | 33.1968333 | -115.9918333 | 6 | 3.16 | ci3329193 |
| 1968-04-09T05:13:57.890Z | 33.0411667 | -116.0043333 | 6 | 3.14 | ci3329154 |
| 1968-04-09T05:00:54.490Z | 33.0458333 | -116.0251667 | 6 | 3.64 | ci3329153 |
| 1968-04-09T04:58:16.060Z | 33.1145 | -116.0461667 | 6 | 3.08 | ci3329152 |
| 1968-04-09T04:46:51.760Z | 33.0681667 | -116.0301667 | 6 | 3.15 | ci3329151 |
| 1968-04-09T04:29:56.930Z | 33.1503333 | -116.0845 | 6 | 3.19 | ci3329149 |
| 1968-04-09T04:15:46.930Z | 33.0595 | -116.016 | 6 | 3.72 | ci3329148 |
| 1968-04-09T04:05:05.070Z | 33.185 | -116.1821667 | 6 | 3.72 | ci3329147 |
| 1968-04-09T03:58:35.940Z | 33.0133333 | -115.9788333 | 6 | 4.14 | ci3329146 |
| 1968-04-09T03:48:10.610Z | 33.0686667 | -116.0253333 | 6 | 4.54 | ci3329145 |

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|---|---|---|---|---|---|
| 1968-04-09T03:01:41.330Z | 33.049 | -115.9898333 | 6 | 3.96 | ci3329138 |
| 1968-04-09T02:49:37.960Z | 32.9841667 | -116.4828333 | 6 | 3.24 | ci3329137 |
| 1968-04-09T02:47:49.310Z | 33.0435 | -116.026 | 6 | 3.62 | ci3329135 |
| 1968-04-09T02:44:39.950Z | 33.0111667 | -116.0886667 | 6 | 3.87 | ci3329231 |
| 1968-04-09T02:39:27.480Z | 33.1666667 | -116.1166667 | 6 | 4.23 | ci3329229 |
| 1968-04-09T02:36:47.000Z | 33.1666667 | -116.1166667 | 0 | 3.7 | ci10086798 |
| 1968-04-09T02:33:09.000Z | 33.1666667 | -116.1166667 | 0 | 4.3 | ci10084414 |
| 1968-04-09T02:28:58.390Z | 33.1798333 | -116.103 | 10 | 6.6 | ci3329122 |
| 1968-04-09T02:27:36.510Z | 33.1385 | -116.092 | 10 | 3.71 | ci3329120 |
| 1968-03-28T21:21:33.000Z | 34.0461667 | -116.0803333 | 6 | 4.13 | ci3329115 |
| 1968-03-09T12:50:36.040Z | 34.317 | -116.8595 | 3 | 3.01 | ci3329260 |
| 1968-03-08T05:48:54.870Z | 34.1726667 | -117.0733333 | 8.68 | 3.44 | ci3329259 |
| 1968-02-28T14:58:48.030Z | 33.9973333 | -116.8378333 | 13.5 | 3.01 | ci3329247 |
| 1968-02-12T02:12:25.370Z | 33.0058333 | -116.3021667 | 6 | 3.82 | ci3329303 |
| 1968-01-28T03:47:59.230Z | 33.1828333 | -116.3176667 | 6 | 3.27 | ci3329282 |
| 1968-01-17T19:34:55.700Z | 33.0266667 | -116.381 | 6 | 3.05 | ci3329330 |
| 1968-01-14T21:21:59.060Z | 33.0426667 | -116.4588333 | 6 | 3.33 | ci3329326 |
| 1968-01-11T23:17:00.140Z | 33.4175 | -116.8093333 | 18 | 3.26 | ci3329323 |
| 1967-10-26T11:35:25.210Z | 33.4765 | -116.581 | 18.4 | 3.27 | ci3329467 |
| 1967-10-22T03:32:41.890Z | 34.2796667 | -116.341 | 6 | 3.06 | ci3329461 |
| 1967-09-14T05:19:17.230Z | 33.3296667 | -115.7428333 | 6 | 3.11 | ci3329492 |
| 1967-09-03T12:48:46.310Z | 33.1665 | -116.3686667 | 10.71 | 3.14 | ci3329485 |
| 1967-09-02T05:31:11.660Z | 33.1551667 | -116.336 | 6 | 3.32 | ci3329481 |
| 1967-08-23T13:24:45.380Z | 33.9133333 | -116.1098333 | 6 | 3.09 | ci3329544 |
| 1967-08-11T17:40:14.720Z | 33.518 | -116.5763333 | 4.87 | 3.26 | ci3329530 |
| 1967-08-11T00:57:11.800Z | 33.515 | -116.5816667 | 19.32 | 4.09 | ci3329527 |
| 1967-08-11T00:02:40.800Z | 33.393 | -116.4363333 | 4.54 | 3.23 | ci3329526 |
| 1967-07-19T23:27:08.820Z | 33.2888333 | -116.2333333 | 6 | 3.11 | ci3329556 |
| 1967-06-30T04:04:11.600Z | 33.1155 | -116.3783333 | 6 | 3.49 | ci3329617 |
| 1967-05-28T18:47:01.670Z | 33.2046667 | -115.9216667 | 6 | 3.39 | ci3329655 |
| 1967-05-21T14:42:34.060Z | 33.5518333 | -116.6315 | 8.44 | 4.71 | ci3329635 |
| 1967-04-03T13:57:27.480Z | 34.1703333 | -116.2071667 | 6 | 3.12 | ci3329738 |
| 1967-04-02T20:15:38.480Z | 32.9905 | -116.2753333 | 6 | 4.17 | ci3329736 |
| 1967-03-23T02:22:31.740Z | 33.4915 | -116.4586667 | 11.97 | 3.09 | ci3329727 |
| 1967-03-11T16:02:28.780Z | 33.9028333 | -116.6088333 | 6 | 3.21 | ci3329717 |
| 1967-03-01T06:10:18.870Z | 34.2176667 | -116.7616667 | 6 | 3.63 | ci3329755 |
| 1967-02-23T21:19:21.090Z | 33.1875 | -116.0446667 | 6 | 3.57 | ci3329749 |
| 1967-02-18T18:48:56.850Z | 34.1005 | -117.3533333 | 16.04 | 3.61 | ci3329811 |
| 1967-02-11T19:06:39.010Z | 32.9688333 | -116.4196667 | 6 | 3.1 | ci3329821 |
| 1967-02-11T11:19:52.790Z | 33.1585 | -116.1413333 | 6 | 3.33 | ci3329800 |
| 1967-01-27T20:13:10.020Z | 34.2163333 | -116.7566667 | 6 | 3.43 | ci3329782 |
| 1966-11-21T13:48:44.630Z | 34.3946667 | -116.7635 | 6 | 3.41 | ci3329982 |
| 1966-10-20T10:35:41.130Z | 33.0825 | -115.785 | 6 | 3.43 | ci3330006 |

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|---|---|---|---|---|---|
| 1966-10-08T12:33:23.450Z | 33.9615 | -116.605 | 6 | 3 | ci3330050 |
| 1966-10-05T12:29:49.340Z | 34.4336667 | -116.5055 | 6 | 3.33 | ci3330048 |
| 1966-09-16T22:54:10.340Z | 33.1748333 | -116.3893333 | 6 | 3.55 | ci3330077 |
| 1966-09-16T14:55:43.590Z | 34.454 | -116.974 | 6 | 3.13 | ci3330076 |
| 1966-09-14T20:47:43.970Z | 33.4796667 | -116.3591667 | 6 | 3.25 | ci3330075 |
| 1966-09-09T01:12:28.300Z | 34.0246667 | -116.4108333 | 6 | 3.05 | ci3330067 |
| 1966-09-02T11:06:29.870Z | 34.1236667 | -117.4073333 | 5.9 | 3.68 | ci3330054 |
| 1966-08-31T08:19:43.510Z | 33.0325 | -115.9821667 | 4 | 3.23 | ci3330053 |
| 1966-08-25T05:54:06.330Z | 33.0381667 | -116.4356667 | 6 | 3.04 | ci3330100 |
| 1966-06-27T23:37:15.140Z | 33.8613333 | -115.3963333 | 0.01 | 3.1 | ci3330122 |
| 1966-06-07T16:38:32.530Z | 33.56 | -116.5303333 | 3.89 | 3.34 | ci3330208 |
| 1966-05-15T09:33:32.160Z | 34.1211667 | -116.7455 | 6 | 3.16 | ci3330225 |
| 1966-04-18T09:21:19.820Z | 34.0263333 | -116.665 | 6 | 3.48 | ci3330246 |
| 1966-03-31T11:49:11.530Z | 34.1696667 | -117.3613333 | 4.96 | 3.14 | ci3330230 |
| 1966-03-29T22:56:17.150Z | 33.728 | -115.3633333 | 6 | 3.11 | ci3330229 |
| 1966-03-19T14:21:56.510Z | 33.257 | -116.2696667 | 6 | 4.06 | ci3330266 |
| 1966-02-14T10:57:48.640Z | 33.207 | -116.0646667 | 6 | 3.71 | ci3330295 |
| 1966-02-13T14:34:48.400Z | 33.1326667 | -116.4285 | 6 | 3.53 | ci3330293 |
| 1966-02-12T15:23:15.450Z | 33.323 | -116.4233333 | 0 | 3.17 | ci3330291 |
| 1966-01-26T21:45:06.670Z | 33.1626667 | -116.4403333 | 6 | 3.54 | ci3330280 |
| 1966-01-22T02:19:46.610Z | 34.214 | -116.4696667 | 6 | 3.36 | ci3330275 |
| 1966-01-11T00:32:11.950Z | 33.7611667 | -116.0738333 | 6 | 3.39 | ci3330305 |
| 1966-01-08T05:31:02.790Z | 33.1781667 | -116.567 | 6 | 3.3 | ci10086762 |
| 1966-01-07T19:10:22.830Z | 33.2066667 | -116.2085 | 6 | 3.98 | ci3330304 |
| 1965-12-30T16:30:34.830Z | 33.581 | -116.5368333 | 6 | 3.45 | ci3330336 |
| 1965-12-26T14:25:00.860Z | 33.3205 | -116.7376667 | 5.6 | 3.61 | ci3330330 |
| 1965-12-11T07:54:06.640Z | 34.0016667 | -116.7081667 | 6 | 3.13 | ci3330356 |
| 1965-12-03T22:49:51.790Z | 34.2378333 | -117.0911667 | 0.06 | 3.56 | ci3330367 |
| 1965-11-27T04:34:40.180Z | 33.0985 | -116.4576667 | 13.02 | 3.02 | ci3330364 |
| 1965-11-02T12:41:01.810Z | 33.3731667 | -116.2991667 | 6 | 3.66 | ci3330385 |
| 1965-10-23T19:39:54.370Z | 34.0016667 | -116.752 | 6 | 3.44 | ci3330374 |
| 1965-10-21T08:43:01.950Z | 34.0115 | -116.7638333 | 6 | 3.72 | ci3330369 |
| 1965-10-20T01:16:43.470Z | 33.9975 | -116.782 | 6 | 3.46 | ci3330440 |
| 1965-10-19T21:33:13.050Z | 34.0005 | -116.7533333 | 15.93 | 3.73 | ci3330437 |
| 1965-10-17T15:36:52.680Z | 34.0151667 | -116.7858333 | 15.19 | 3.95 | ci3330429 |
| 1965-10-17T09:45:18.780Z | 33.99 | -116.7613333 | 13 | 4.95 | ci3330427 |
| 1965-10-10T11:35:21.090Z | 34.1831667 | -115.918 | 6 | 3.24 | ci3330421 |
| 1965-09-11T15:59:06.250Z | 34.0938333 | -116.5341667 | 6 | 3.12 | ci3330449 |
| 1965-08-31T14:37:23.800Z | 33.1361667 | -115.997 | 6 | 3.37 | ci3330499 |
| 1965-08-30T21:13:10.950Z | 33.2673333 | -116.1516667 | 6 | 3.39 | ci3330497 |
| 1965-08-26T13:49:26.730Z | 33.2483333 | -116.08 | 6 | 3.69 | ci3330493 |
| 1965-08-26T13:46:35.140Z | 33.2376667 | -116.0538333 | 6 | 3.65 | ci3330492 |
| 1965-08-26T13:45:24.550Z | 33.2645 | -116.1095 | 6 | 3.39 | ci3330491 |

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|---|---|---|---|---|---|
| 1965-08-26T13:44:22.510Z | 33.294 | -116.139 | 6 | 3.28 | ci3330490 |
| 1965-08-26T13:38:13.820Z | 33.2556667 | -116.0925 | 6 | 4.45 | ci3330489 |
| 1965-08-26T12:53:50.810Z | 33.2395 | -116.0665 | 6 | 4.09 | ci3330488 |
| 1965-08-26T06:36:13.640Z | 33.19 | -116.0135 | 6 | 3.07 | ci3330486 |
| 1965-08-26T05:14:27.780Z | 33.2183333 | -116.0303333 | 6 | 3.05 | ci3330484 |
| 1965-08-20T07:56:37.510Z | 33.1306667 | -115.8623333 | 6 | 3.02 | ci3330479 |
| 1965-08-14T11:04:47.850Z | 33.4013333 | -116.1291667 | 6 | 3.13 | ci3330475 |
| 1965-08-01T18:06:28.690Z | 33.2171667 | -116.003 | 6 | 3.09 | ci3330522 |
| 1965-07-30T11:32:45.500Z | 33.2375 | -116.0135 | 6 | 3.32 | ci3330520 |
| 1965-07-27T15:17:51.940Z | 33.2088333 | -116.0095 | 6 | 3.72 | ci3330517 |
| 1965-07-27T14:04:40.850Z | 33.2428333 | -116.0018333 | 6 | 4.21 | ci3330516 |
| 1965-07-27T13:31:14.300Z | 33.2155 | -115.9941667 | 6 | 3.45 | ci3330515 |
| 1965-07-27T13:17:53.620Z | 33.0648333 | -115.8168333 | 6 | 3.42 | ci3330514 |
| 1965-07-27T13:08:44.610Z | 33.1963333 | -115.9915 | 6 | 3.36 | ci3330513 |
| 1965-07-18T16:23:45.120Z | 33.7381667 | -116.0876667 | 0.98 | 3.05 | ci3330506 |
| 1965-07-18T15:58:10.320Z | 33.7526667 | -116.0763333 | 4.06 | 3.52 | ci3330505 |
| 1965-07-16T22:08:43.980Z | 33.3278333 | -116.2695 | 6 | 3.19 | ci3330504 |
| 1965-07-06T09:10:08.980Z | 33.4651667 | -116.4821667 | 3.42 | 3.47 | ci3330562 |
| 1965-06-23T16:50:06.970Z | 34.0216667 | -116.7338333 | 6 | 3.01 | ci3330553 |
| 1965-06-18T13:55:52.500Z | 34.0286667 | -116.4588333 | 6 | 3.22 | ci3330549 |
| 1965-04-25T09:15:18.390Z | 33.1638333 | -115.9676667 | 6 | 3.1 | ci3330585 |
| 1965-02-27T02:28:08.840Z | 34.0786667 | -117.3035 | 16.15 | 3.24 | ci3330679 |
| 1965-02-14T20:05:47.530Z | 34.1758333 | -116.904 | 6 | 3.38 | ci3330713 |
| 1965-01-21T21:09:50.600Z | 34.0288333 | -117.3186667 | 19.7 | 3.06 | ci3330724 |
| 1965-01-14T07:28:07.720Z | 34.1193333 | -116.5841667 | 6 | 3.35 | ci3330718 |
| 1964-11-21T17:35:23.060Z | 32.9916667 | -116.061 | 6 | 3.48 | ci3330763 |
| 1964-11-17T14:52:28.040Z | 33.8561667 | -116.5856667 | 6 | 3.95 | ci3330802 |
| 1964-10-29T21:18:06.550Z | 34.3508333 | -116.5596667 | 6 | 3.32 | ci3330787 |
| 1964-10-05T01:24:55.570Z | 33.055 | -115.8755 | 6 | 4.32 | ci3330822 |
| 1964-09-04T07:12:52.740Z | 34.0046667 | -116.7993333 | 6 | 3.05 | ci3330846 |
| 1964-08-31T16:16:49.200Z | 33.9653333 | -116.6191667 | 6 | 3.05 | ci3330843 |
| 1964-08-17T22:33:47.390Z | 33.2106667 | -116.0478333 | 6 | 3.77 | ci3330835 |
| 1964-08-04T20:45:43.270Z | 33.5506667 | -116.68 | 6.71 | 4.03 | ci3330885 |
| 1964-07-22T23:40:29.090Z | 34.1548333 | -116.1778333 | 6 | 3.37 | ci3330878 |
| 1964-06-06T17:39:19.230Z | 33.929 | -116.7411667 | 6 | 3.02 | ci3330893 |
| 1964-05-22T05:06:41.500Z | 34.0863333 | -117.2595 | 17.06 | 3.11 | ci3330928 |
| 1964-05-22T02:38:24.710Z | 33.4561667 | -116.6106667 | 5.69 | 3.87 | ci3330927 |
| 1964-05-14T11:23:48.580Z | 34.5023333 | -116.2636667 | 6 | 3.02 | ci3330925 |
| 1964-05-09T07:22:23.780Z | 34.4825 | -116.3346667 | 6 | 3.54 | ci3330923 |
| 1964-04-29T23:27:44.020Z | 33.047 | -116.371 | 6 | 3.13 | ci3330919 |
| 1964-04-15T20:16:57.790Z | 33.4386667 | -116.6378333 | 5.15 | 3.05 | ci3330936 |
| 1964-03-26T03:06:58.140Z | 33.2483333 | -116.4541667 | 6 | 3.03 | ci3330998 |
| 1964-03-15T20:29:43.400Z | 33.2025 | -115.6423333 | 6 | 3.21 | ci3330986 |

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|---|---|---|---|---|---|
| 1964-03-15T19:44:20.790Z | 33.1916667 | -115.6798333 | 6 | 3.41 | ci3330985 |
| 1964-03-15T05:48:35.420Z | 33.4871667 | -116.5003333 | 5.04 | 3.23 | ci3330984 |
| 1964-02-28T09:09:34.310Z | 33.4006667 | -116.2265 | 6 | 3.23 | ci3330971 |
| 1964-02-17T18:57:19.900Z | 33.4468333 | -116.6525 | 16.16 | 3.45 | ci3331033 |
| 1964-02-01T19:51:40.810Z | 33.263 | -115.67 | 6 | 3.59 | ci3331013 |
| 1964-02-01T01:29:56.380Z | 33.1663333 | -115.7663333 | 6 | 3.45 | ci3331034 |
| 1964-01-31T07:47:24.400Z | 33.1518333 | -116.2075 | 6 | 3.39 | ci3331010 |
| 1964-01-30T11:50:35.670Z | 34.0465 | -116.8555 | 6 | 3.41 | ci3357482 |
| 1964-01-30T11:50:19.190Z | 34.0365 | -116.7791667 | 6 | 3.31 | ci3331007 |
| 1964-01-16T17:31:06.130Z | 33.0266667 | -116.1716667 | 6 | 3.22 | ci3331000 |
| 1964-01-07T00:06:12.020Z | 34.394 | -116.5508333 | 6 | 3.22 | ci3331047 |
| 1964-01-06T23:57:29.370Z | 34.384 | -116.5435 | 6 | 3.27 | ci3331046 |
| 1964-01-06T23:47:13.130Z | 34.373 | -116.4826667 | 6 | 4.55 | ci3331045 |
| 1964-01-06T23:15:57.400Z | 34.3635 | -116.5091667 | 6 | 3.87 | ci3331044 |
| 1963-12-27T12:26:01.500Z | 32.9975 | -116.741 | 0.44 | 3.29 | ci3331073 |
| 1963-12-24T11:14:09.130Z | 34.5503333 | -116.8455 | 6 | 3.22 | ci3331072 |
| 1963-12-20T10:27:58.460Z | 34.1763333 | -116.1935 | 6 | 3.52 | ci3331069 |
| 1963-12-11T12:59:05.590Z | 34.197 | -116.7795 | 6 | 3.05 | ci3331063 |
| 1963-12-10T22:26:11.070Z | 34.2081667 | -116.7573333 | 6 | 3.73 | ci3331062 |
| 1963-11-18T23:26:27.250Z | 33.4496667 | -116.647 | 5.01 | 3.38 | ci3331091 |
| 1963-11-08T16:25:29.650Z | 34.059 | -117.3236667 | 15.56 | 3.18 | ci3331084 |
| 1963-11-02T18:58:11.700Z | 33.2668333 | -115.8023333 | 6 | 3.64 | ci3331096 |
| 1963-10-28T20:13:48.820Z | 33.2911667 | -115.8345 | 6 | 3.75 | ci3331196 |
| 1963-10-28T15:55:38.450Z | 33.292 | -115.8445 | 6 | 3.64 | ci3331190 |
| 1963-10-28T08:14:18.260Z | 33.2731667 | -115.8465 | 6 | 4.14 | ci3331159 |
| 1963-10-28T00:30:41.730Z | 33.3025 | -115.8908333 | 6 | 3.32 | ci3331123 |
| 1963-10-27T20:27:31.590Z | 34.4793333 | -116.3446667 | 6 | 3.08 | ci3331121 |
| 1963-10-27T19:38:16.730Z | 33.2096667 | -115.6925 | 6 | 3.47 | ci3331120 |
| 1963-10-27T18:49:38.220Z | 33.2425 | -115.7463333 | 6 | 3.81 | ci3331119 |
| 1963-10-27T18:22:05.900Z | 33.173 | -115.683 | 6 | 3.68 | ci3331118 |
| 1963-10-27T18:12:50.410Z | 33.1886667 | -115.6225 | 6 | 4.29 | ci3331117 |
| 1963-10-27T18:07:45.360Z | 33.1953333 | -115.6311667 | 6 | 3.87 | ci3331116 |
| 1963-10-27T17:52:20.210Z | 33.2026667 | -115.7005 | 6 | 3.75 | ci3331115 |
| 1963-10-27T17:49:16.890Z | 33.2738333 | -115.7915 | 6 | 3.21 | ci3331114 |
| 1963-10-27T15:24:12.040Z | 33.236 | -115.7136667 | 6 | 3.39 | ci3331158 |
| 1963-10-27T14:56:56.320Z | 33.2301667 | -115.7165 | 6 | 4 | ci3331109 |
| 1963-10-27T14:52:47.120Z | 33.4021667 | -115.9295 | 6 | 4.07 | ci3331107 |
| 1963-10-27T14:50:22.700Z | 33.2801667 | -115.7735 | 6 | 4.02 | ci3331106 |
| 1963-10-08T23:02:41.780Z | 33.5918333 | -117.2385 | 6 | 3.65 | ci3331183 |
| 1963-10-04T15:33:39.070Z | 33.9683333 | -116.9108333 | 6 | 3.21 | ci3331182 |
| 1963-09-26T17:26:00.120Z | 34.211 | -117.1418333 | 16.39 | 3.38 | ci3331177 |
| 1963-09-23T14:41:52.790Z | 33.7036667 | -116.9381667 | 10.66 | 5.29 | ci3331170 |
| 1963-09-09T17:45:48.800Z | 33.5016667 | -116.5123333 | 5.85 | 3.31 | ci3331215 |

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|---|---|---|---|---|---|
| 1963-09-06T00:44:18.770Z | 33.8693333 | -117.0285 | 11.98 | 3.32 | ci3331214 |
| 1963-08-30T11:21:04.270Z | 34.1486667 | -116.2108333 | 6 | 3.03 | ci3331207 |
| 1963-08-22T04:33:56.190Z | 34.1448333 | -116.192 | 6 | 4.15 | ci3331259 |
| 1963-08-06T23:38:46.180Z | 33.8091667 | -116.9065 | 6 | 3.57 | ci3331250 |
| 1963-08-03T15:15:49.740Z | 34.1333333 | -116.1605 | 6 | 3.15 | ci3331247 |
| 1963-07-30T22:45:57.410Z | 34.1543333 | -116.1826667 | 6 | 3.45 | ci3331243 |
| 1963-07-30T17:47:42.750Z | 34.1453333 | -116.1858333 | 6 | 3.15 | ci3331241 |
| 1963-07-30T17:28:26.030Z | 34.1366667 | -116.1258333 | 6 | 3.07 | ci3331262 |
| 1963-07-30T10:25:24.890Z | 34.1688333 | -116.1631667 | 6 | 3.17 | ci3331239 |
| 1963-07-30T06:34:56.850Z | 34.1613333 | -116.189 | 6 | 4.64 | ci3331237 |
| 1963-07-26T07:33:51.500Z | 34.033 | -117.2946667 | 18.2 | 3.61 | ci3331306 |
| 1963-07-24T11:41:52.960Z | 34.1788333 | -116.1595 | 6 | 3.14 | ci3331305 |
| 1963-07-19T15:54:56.680Z | 34.1556667 | -116.2053333 | 6 | 3.77 | ci3331300 |
| 1963-07-19T08:33:54.030Z | 34.1693333 | -116.1921667 | 6 | 3.25 | ci3331299 |
| 1963-07-18T19:37:44.980Z | 34.165 | -116.1376667 | 6 | 3.99 | ci3331297 |
| 1963-07-18T10:40:31.430Z | 34.1761667 | -116.13 | 6 | 3.48 | ci3331295 |
| 1963-07-17T23:11:07.100Z | 34.149 | -116.1876667 | 6 | 3.61 | ci3331291 |
| 1963-07-17T23:05:42.750Z | 34.1576667 | -116.067 | 6 | 3.49 | ci3331290 |
| 1963-07-17T20:44:34.660Z | 34.1243333 | -116.15 | 6 | 3.07 | ci3331289 |
| 1963-07-07T03:57:14.540Z | 33.5813333 | -117.2141667 | 16 | 3.25 | ci3331280 |
| 1963-07-06T16:11:09.270Z | 34.2751667 | -116.3708333 | 6 | 3.12 | ci3331277 |
| 1963-07-05T14:58:30.570Z | 33.1733333 | -116.0108333 | 6 | 3.18 | ci3331276 |
| 1963-07-05T08:27:11.980Z | 34.188 | -116.1868333 | 6 | 3.22 | ci3331275 |
| 1963-06-21T23:26:22.970Z | 34.4048333 | -117.0478333 | 6 | 3.33 | ci3331266 |
| 1963-06-21T17:00:36.340Z | 33.0936667 | -116.4746667 | 20 | 3.64 | ci3331265 |
| 1963-06-05T00:24:44.830Z | 33.9756667 | -116.6606667 | 6 | 3.19 | ci3331334 |
| 1963-06-01T09:56:03.320Z | 33.4623333 | -116.0938333 | 6 | 3.25 | ci3331333 |
| 1963-05-31T06:15:49.320Z | 33.1545 | -116.3763333 | 6 | 3.03 | ci3331327 |
| 1963-04-10T12:54:18.980Z | 33.0405 | -115.9841667 | 6 | 3.19 | ci3331391 |
| 1963-03-30T18:28:16.440Z | 33.9433333 | -116.7928333 | 6 | 3.06 | ci3331385 |
| 1963-03-16T09:35:54.030Z | 34.3466667 | -116.877 | 6 | 3.57 | ci3331424 |
| 1963-03-08T14:29:21.830Z | 32.9468333 | -116.3933333 | 6 | 3.09 | ci3331416 |
| 1963-01-25T06:33:35.260Z | 33.0365 | -116.2393333 | 6 | 3.28 | ci3331447 |
| 1963-01-25T05:39:59.390Z | 33.0325 | -116.1998333 | 6 | 3.55 | ci3331446 |
| 1963-01-16T12:51:08.500Z | 34.2535 | -117.0995 | 0.06 | 3.49 | ci3331441 |
| 1963-01-14T01:33:30.890Z | 33.05 | -116.222 | 6 | 3.54 | ci3331474 |
| 1963-01-13T21:09:19.120Z | 32.9538333 | -116.1343333 | 6 | 3.46 | ci3331473 |
| 1963-01-13T20:47:25.010Z | 33.0158333 | -116.2116667 | 6 | 3.02 | ci3331472 |
| 1963-01-13T20:45:19.220Z | 33.0585 | -116.2701667 | 6 | 3.86 | ci3331471 |
| 1963-01-13T02:39:39.090Z | 33.0028333 | -116.207 | 6 | 4.28 | ci3331469 |
| 1962-12-31T03:15:04.760Z | 33.2068333 | -116.1901667 | 6 | 3.08 | ci3331486 |
| 1962-12-18T23:06:27.120Z | 33.4791667 | -116.4615 | 6 | 3.47 | ci3331484 |
| 1962-12-16T12:14:14.810Z | 33.0471667 | -116.2305 | 6 | 3.35 | ci3331483 |

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|---|---|---|---|---|---|
| 1962-12-13T18:11:57.410Z | 33.3855 | -116.3073333 | 6 | 3.2 | ci3331479 |
| 1962-12-09T22:42:21.940Z | 34.2988333 | -116.9033333 | 6 | 3.38 | ci3331477 |
| 1962-12-02T10:36:52.260Z | 34.3103333 | -116.897 | 6 | 3.08 | ci3331513 |
| 1962-12-02T03:06:36.510Z | 34.34 | -116.8331667 | 6 | 3.56 | ci3331512 |
| 1962-12-02T01:58:27.130Z | 34.3048333 | -116.8955 | 6 | 3.1 | ci3331511 |
| 1962-12-02T00:41:39.020Z | 34.301 | -116.8858333 | 6 | 4.44 | ci3331510 |
| 1962-12-01T14:06:02.260Z | 34.3203333 | -116.891 | 6 | 3.5 | ci3331507 |
| 1962-12-01T10:36:12.660Z | 34.3483333 | -116.8845 | 6 | 3.65 | ci3331506 |
| 1962-12-01T08:39:44.730Z | 34.3618333 | -116.8986667 | 6 | 3.56 | ci3331505 |
| 1962-12-01T06:58:26.490Z | 34.3305 | -116.8451667 | 6 | 3.59 | ci3331504 |
| 1962-12-01T05:07:56.570Z | 34.3321667 | -116.8901667 | 6 | 3.19 | ci3331503 |
| 1962-12-01T03:51:46.380Z | 34.3396667 | -116.9348333 | 6 | 3.56 | ci3331502 |
| 1962-12-01T01:15:04.760Z | 34.336 | -116.887 | 6 | 3.47 | ci3331501 |
| 1962-12-01T00:44:47.230Z | 34.3128333 | -116.8801667 | 6 | 3.42 | ci3331499 |
| 1962-12-01T00:40:43.970Z | 34.3161667 | -116.8931667 | 6 | 3.21 | ci3331498 |
| 1962-12-01T00:37:01.000Z | 34.3166667 | -116.8833333 | 6 | 3.8 | ci10086710 |
| 1962-12-01T00:35:48.840Z | 34.3413333 | -116.8998333 | 6 | 4.4 | ci3331497 |
| 1962-11-30T23:51:05.810Z | 34.3288333 | -116.9375 | 6 | 4.33 | ci3331496 |
| 1962-11-11T01:51:57.350Z | 34.3685 | -116.8835 | 6 | 3.4 | ci3331555 |
| 1962-11-10T00:46:24.080Z | 34.3643333 | -116.892 | 6 | 3.09 | ci3331553 |
| 1962-11-09T06:05:14.230Z | 34.3298333 | -116.8691667 | 6 | 3.43 | ci3331549 |
| 1962-11-04T12:05:20.250Z | 33.048 | -116.2823333 | 6 | 3.49 | ci3331560 |
| 1962-11-04T12:04:21.760Z | 33.062 | -116.2773333 | 6 | 3.77 | ci3331546 |
| 1962-11-03T11:25:49.750Z | 33.037 | -116.1713333 | 6 | 3.54 | ci3331545 |
| 1962-11-02T04:30:56.610Z | 33.1935 | -116.2138333 | 6 | 3.41 | ci3331543 |
| 1962-11-02T02:48:50.100Z | 33.3175 | -116.2881667 | 6 | 3.5 | ci10086706 |
| 1962-11-02T02:48:08.480Z | 33.2201667 | -116.2441667 | 6 | 3.78 | ci3331539 |
| 1962-10-31T23:25:21.060Z | 34.3341667 | -116.9015 | 6 | 3.12 | ci3331538 |
| 1962-10-31T19:06:32.810Z | 33.133 | -116.3788333 | 6 | 3.24 | ci3331537 |
| 1962-10-31T15:27:20.550Z | 34.332 | -116.8538333 | 6 | 3.32 | ci3331536 |
| 1962-10-30T06:11:43.650Z | 34.3551667 | -116.8686667 | 6 | 3.04 | ci3331532 |
| 1962-10-30T05:45:59.060Z | 34.3178333 | -116.8806667 | 6 | 3.21 | ci3331531 |
| 1962-10-30T00:09:27.500Z | 34.3111667 | -116.9228333 | 6 | 3.12 | ci3331529 |
| 1962-10-29T14:41:40.950Z | 34.2991667 | -116.891 | 6 | 3.19 | ci3331528 |
| 1962-10-29T05:35:05.580Z | 34.3153333 | -116.8685 | 6 | 3.71 | ci3331525 |
| 1962-10-29T03:07:12.380Z | 34.3196667 | -116.8723333 | 6 | 3.3 | ci3331523 |
| 1962-10-29T03:01:40.870Z | 34.2658333 | -116.887 | 6 | 3.22 | ci3331522 |
| 1962-10-29T02:42:53.710Z | 34.349 | -116.8663333 | 6 | 4.97 | ci3331521 |
| 1962-10-27T20:59:30.090Z | 33.0415 | -116.24 | 6 | 3.24 | ci3331661 |
| 1962-10-27T12:49:53.030Z | 33.0535 | -116.2328333 | 6 | 3.29 | ci3331659 |
| 1962-10-22T11:10:58.980Z | 33.022 | -116.1983333 | 6 | 3.7 | ci3331655 |
| 1962-10-13T00:05:50.880Z | 33.3955 | -116.4548333 | 5 | 3.57 | ci3331649 |
| 1962-10-05T15:29:02.740Z | 33.3473333 | -116.2511667 | 6 | 4.17 | ci3331642 |

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|---|---|---|---|---|---|
| 1962-09-09T16:37:12.650Z | 33.7873333 | -116.6975 | 6 | 3.41 | ci3331676 |
| 1962-08-22T14:47:11.890Z | 33.8443333 | -115.724 | 0 | 3.61 | ci3331716 |
| 1962-08-18T07:57:09.130Z | 34.0486667 | -116.4056667 | 6 | 3.14 | ci3331714 |
| 1962-08-15T01:57:07.790Z | 33.1158333 | -116.2048333 | 6 | 3.28 | ci3331711 |
| 1962-08-15T01:55:34.950Z | 33.155 | -116.0533333 | 6 | 4.02 | ci3331710 |
| 1962-07-31T14:55:46.880Z | 33.0871667 | -115.7565 | 6 | 3.31 | ci3331692 |
| 1962-07-10T06:27:03.420Z | 33.518 | -116.9831667 | 14.78 | 3.1 | ci3344350 |
| 1962-07-02T07:44:23.960Z | 33.0585 | -115.827 | 6 | 3.36 | ci3344346 |
| 1962-06-28T18:58:24.430Z | 33.043 | -116.303 | 6 | 3.89 | ci3344339 |
| 1962-06-26T07:21:06.980Z | 32.962 | -116.1498333 | 6 | 3.19 | ci3344335 |
| 1962-06-05T07:04:16.300Z | 34.3115 | -116.7535 | 6 | 3.45 | ci3344396 |
| 1962-06-02T19:58:09.200Z | 33.5085 | -116.5015 | 6.11 | 3.08 | ci3344394 |
| 1962-05-31T02:31:35.930Z | 32.9468333 | -116.082 | 6 | 3.13 | ci3344392 |
| 1962-05-31T02:22:18.650Z | 32.9425 | -116.0465 | 6 | 3.81 | ci3344391 |
| 1962-05-31T02:19:59.510Z | 32.973 | -116.1481667 | 6 | 3.23 | ci3344390 |
| 1962-05-22T05:18:28.150Z | 33.9901667 | -116.4446667 | 6 | 3.01 | ci3344387 |
| 1962-05-21T12:54:10.930Z | 33.4588333 | -116.6955 | 6 | 3.07 | ci3344386 |
| 1962-05-16T08:40:34.190Z | 34.0485 | -116.3525 | 6 | 3.4 | ci3344383 |
| 1962-05-05T18:24:45.790Z | 33.855 | -116.442 | 6 | 3.04 | ci3344436 |
| 1962-05-05T14:17:24.110Z | 33.7843333 | -116.716 | 0.91 | 3.61 | ci3344435 |
| 1962-04-27T09:12:31.070Z | 33.8003333 | -117.0998333 | 1.18 | 4.19 | ci3344428 |
| 1962-04-24T15:24:44.590Z | 33.0626667 | -116.6741667 | 6 | 3.1 | ci3344424 |
| 1962-04-22T18:05:33.610Z | 33.1303333 | -116.5206667 | 6.63 | 3.32 | ci3344422 |
| 1962-03-05T08:51:59.950Z | 32.986 | -116.229 | 6 | 3.17 | ci3344437 |
| 1962-02-27T14:57:04.710Z | 32.9845 | -116.5226667 | 6 | 3.22 | ci3344496 |
| 1962-02-25T06:37:02.590Z | 33.4808333 | -116.4233333 | 6 | 3.28 | ci3344495 |
| 1962-02-16T22:39:34.570Z | 33.8885 | -116.4886667 | 6 | 3.17 | ci3344487 |
| 1962-02-02T22:41:05.060Z | 33.4913333 | -116.879 | 14.82 | 3.48 | ci3344472 |
| 1962-02-02T14:26:50.970Z | 33.932 | -116.604 | 6 | 3.06 | ci3344470 |
| 1962-01-15T04:32:00.300Z | 33.8533333 | -117.0726667 | 1.09 | 3.17 | ci3344507 |
| 1961-11-18T04:04:54.470Z | 34.0023333 | -116.2176667 | 6 | 3.54 | ci3344606 |
| 1961-10-18T11:11:54.710Z | 33.5243333 | -116.7875 | 6 | 3.11 | ci3344646 |
| 1961-10-11T17:49:58.090Z | 34.4315 | -116.8116667 | 6 | 3.3 | ci3344641 |
| 1961-09-30T17:46:40.700Z | 33.9921667 | -117.2813333 | 13.14 | 3.19 | ci3344725 |
| 1961-09-23T06:47:44.760Z | 33.2105 | -116.2201667 | 6 | 3.7 | ci3344716 |
| 1961-09-21T19:00:16.940Z | 32.9866667 | -116.2098333 | 6 | 3.28 | ci3344715 |
| 1961-09-21T18:07:54.000Z | 33.0185 | -116.2631667 | 6 | 3.21 | ci3344714 |
| 1961-09-20T05:04:11.170Z | 33.0748333 | -116.2195 | 6 | 4.28 | ci3344711 |
| 1961-09-19T20:54:35.590Z | 32.9873333 | -116.231 | 6 | 3.48 | ci3344708 |
| 1961-09-19T06:10:10.620Z | 33.051 | -116.2278333 | 6 | 3.55 | ci3344705 |
| 1961-09-18T19:15:13.570Z | 33.021 | -116.2353333 | 6 | 3.28 | ci3344703 |
| 1961-09-17T04:03:15.990Z | 33.0013333 | -116.2231667 | 6 | 3.09 | ci3344702 |
| 1961-09-17T02:13:23.890Z | 33.0335 | -116.2178333 | 6 | 3.3 | ci3344700 |

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|---|---|---|---|---|---|
| 1961-09-17T01:53:29.230Z | 33.0405 | -116.2573333 | 6 | 3.26 | ci3344699 |
| 1961-09-17T00:52:15.640Z | 32.9478333 | -116.1498333 | 6 | 3.16 | ci3344698 |
| 1961-09-16T20:09:10.710Z | 32.9516667 | -116.153 | 6 | 3.04 | ci3344697 |
| 1961-09-16T19:49:40.790Z | 33.0088333 | -116.2451667 | 6 | 4.39 | ci3344696 |
| 1961-09-16T05:50:47.160Z | 33.0011667 | -116.2648333 | 6 | 3.63 | ci3344808 |
| 1961-09-16T05:14:23.780Z | 33.0393333 | -116.2793333 | 6 | 3.08 | ci3344807 |
| 1961-09-03T14:21:02.970Z | 33.073 | -116.2606667 | 6 | 3.25 | ci3344792 |
| 1961-08-26T23:50:03.210Z | 33.0006667 | -116.1661667 | 6 | 3.15 | ci3344787 |
| 1961-08-26T21:47:45.530Z | 33.269 | -116.8246667 | 3.04 | 3.05 | ci3344786 |
| 1961-08-23T12:50:21.490Z | 33.0343333 | -116.1631667 | 6 | 3.05 | ci3344785 |
| 1961-08-23T01:00:47.580Z | 33.0531667 | -116.2263333 | 6 | 4.69 | ci3344781 |
| 1961-08-23T00:25:08.350Z | 33.0358333 | -116.225 | 6 | 3.53 | ci3344776 |
| 1961-08-23T00:22:10.190Z | 33.0565 | -116.255 | 6 | 3.87 | ci3344775 |
| 1961-08-22T23:31:48.250Z | 33.0268333 | -116.2288333 | 6 | 3.1 | ci3344774 |
| 1961-08-22T23:19:33.960Z | 33.068 | -116.3155 | 6 | 4.35 | ci3344772 |
| 1961-08-13T13:30:45.290Z | 33.1415 | -116.376 | 6 | 3.06 | ci3344766 |
| 1961-07-12T20:31:25.640Z | 33.0843333 | -116.6183333 | 4.57 | 3.46 | ci3344817 |
| 1961-07-05T23:46:09.950Z | 33.0106667 | -116.2413333 | 6 | 3.34 | ci3344814 |
| 1961-06-15T04:59:11.190Z | 34.0485 | -117.0246667 | 15.81 | 3.38 | ci3344869 |
| 1961-05-29T07:24:24.310Z | 33.9851667 | -117.0296667 | 20.42 | 3.01 | ci3344859 |
| 1961-05-28T12:59:47.930Z | 33.7361667 | -116.088 | 6 | 4.25 | ci3344855 |
| 1961-05-24T01:12:18.180Z | 34.4298333 | -116.5188333 | 6 | 3.59 | ci3344853 |
| 1961-05-11T11:01:41.200Z | 33.115 | -115.9493333 | 6 | 3.33 | ci3344847 |
| 1961-05-01T05:34:17.110Z | 33.2401667 | -115.9436667 | 6 | 3.35 | ci3345127 |
| 1961-04-28T06:30:19.170Z | 33.0948333 | -115.998 | 6 | 4.29 | ci3344897 |
| 1961-02-16T10:06:59.940Z | 33.1098333 | -116.4161667 | 6 | 3.11 | ci3345136 |
| 1961-01-30T01:28:35.500Z | 34.0716667 | -116.6 | 6 | 3.04 | ci3347767 |
| 1961-01-14T19:57:20.970Z | 34.429 | -117.0233333 | 6 | 3.02 | ci3347753 |
| 1961-01-10T18:55:01.490Z | 34.2428333 | -117.0933333 | 2.54 | 3.8 | ci3347750 |
| 1961-01-05T19:07:57.640Z | 33.1423333 | -116.3653333 | 6 | 3.3 | ci3347742 |
| 1960-12-31T06:18:34.850Z | 34.0481667 | -116.7936667 | 6 | 3.16 | ci3347796 |
| 1960-12-30T21:40:24.220Z | 33.1946667 | -115.879 | 6 | 4 | ci3347795 |
| 1960-12-30T21:33:45.490Z | 33.1575 | -116.0413333 | 6 | 3.72 | ci3347794 |
| 1960-12-22T04:11:19.370Z | 33.149 | -116.1326667 | 6 | 3.12 | ci3347788 |
| 1960-11-17T06:55:46.430Z | 33.3151667 | -116.4945 | 12.66 | 3.36 | ci3347770 |
| 1960-10-31T04:46:28.330Z | 34.1938333 | -116.3553333 | 6 | 3.24 | ci3349760 |
| 1960-10-29T05:33:57.990Z | 34.328 | -116.344 | 6 | 3.39 | ci3349323 |
| 1960-10-29T02:39:32.680Z | 34.3018333 | -116.345 | 6 | 3.06 | ci3349322 |
| 1960-09-28T10:09:09.480Z | 34.0268333 | -116.6945 | 6 | 3.04 | ci3350643 |
| 1960-09-05T03:28:22.260Z | 33.7603333 | -116.1201667 | 6 | 3.67 | ci3350639 |
| 1960-09-01T22:39:53.530Z | 33.7915 | -116.1196667 | 6 | 3.91 | ci3350637 |
| 1960-09-01T07:35:05.880Z | 34.0681667 | -117.3008333 | 15.43 | 3.54 | ci3350635 |
| 1960-08-12T04:11:58.300Z | 33.1158333 | -116.3926667 | 6 | 3.58 | ci3350182 |

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|---|---|---|---|---|---|
| 1960-08-06T14:36:40.170Z | 33.118 | -116.4035 | 6 | 3.24 | ci3350677 |
| 1960-08-03T19:43:25.770Z | 33.1126667 | -116.3946667 | 6 | 3.46 | ci3350676 |
| 1960-08-01T19:39:29.670Z | 33.1326667 | -116.4793333 | 6 | 4.31 | ci3350674 |
| 1960-05-23T12:25:17.820Z | 33.1061667 | -116.4466667 | 6 | 3.26 | ci3350689 |
| 1960-05-18T07:08:58.400Z | 33.1236667 | -116.0003333 | 6 | 3.57 | ci3350684 |
| 1960-05-11T07:02:56.890Z | 33.1235 | -116.4111667 | 6 | 3.36 | ci3350680 |
| 1960-05-08T02:26:58.930Z | 33.0698333 | -116.5851667 | 15.89 | 3.24 | ci3351183 |
| 1960-04-24T23:46:26.350Z | 33.0315 | -115.8791667 | 6 | 3.68 | ci3351180 |
| 1960-02-09T14:01:48.600Z | 33.1588333 | -116.4613333 | 6 | 3.7 | ci3351653 |
| 1960-01-31T05:54:47.990Z | 34.1251667 | -116.6343333 | 6 | 3.37 | ci3351651 |
| 1960-01-24T16:08:31.440Z | 33.111 | -116.0438333 | 6 | 3.35 | ci3351646 |
| 1960-01-08T06:51:21.390Z | 33.4153333 | -116.4301667 | 6 | 3.1 | ci3351628 |
| 1959-12-15T21:23:16.210Z | 34.0531667 | -116.9608333 | 7.49 | 3.26 | ci3297275 |
| 1959-11-29T23:50:43.980Z | 34.0466667 | -116.8983333 | 6 | 3.1 | ci3297261 |
| 1959-10-11T09:42:28.270Z | 33.9843333 | -116.4378333 | 6 | 3.18 | ci3297227 |
| 1959-10-06T18:59:01.580Z | 34.1961667 | -116.956 | 6 | 3.03 | ci3297225 |
| 1959-10-04T05:06:14.870Z | 34.1045 | -116.1363333 | 6 | 3.02 | ci3297223 |
| 1959-09-20T02:31:06.590Z | 33.6161667 | -115.9626667 | 6 | 3.55 | ci3297203 |
| 1959-08-27T00:23:57.720Z | 34.0666667 | -116.534 | 6 | 3.2 | ci3297187 |
| 1959-08-26T05:32:50.950Z | 34.0166667 | -116.565 | 6 | 4.33 | ci3297186 |
| 1959-08-18T21:52:21.300Z | 33.1255 | -116.4576667 | 6 | 4.35 | ci3297179 |
| 1959-08-14T18:25:04.220Z | 33.902 | -115.8526667 | 0.19 | 3 | ci3297176 |
| 1959-08-14T08:02:43.970Z | 33.9731667 | -115.836 | 4.28 | 3.1 | ci3297175 |
| 1959-08-08T07:18:09.830Z | 34.2091667 | -116.1328333 | 6 | 3.04 | ci3297165 |
| 1959-08-04T18:25:26.380Z | 33.7401667 | -115.9743333 | 7.17 | 4.18 | ci3297158 |
| 1959-07-29T17:39:13.770Z | 34.0998333 | -116.5233333 | 6 | 3.22 | ci3297130 |
| 1959-07-23T03:21:03.300Z | 33.9881667 | -117.2275 | 14.19 | 3.7 | ci3297123 |
| 1959-07-20T11:41:50.650Z | 33.2341667 | -116.7631667 | 7.42 | 3.96 | ci3297118 |
| 1959-06-27T16:22:10.800Z | 33.9848333 | -116.8441667 | 6 | 3.8 | ci3297100 |
| 1959-06-16T08:49:34.760Z | 34.4755 | -116.6561667 | 6 | 3.13 | ci3297086 |
| 1959-06-12T11:03:13.250Z | 33.495 | -116.762 | 7.66 | 4.02 | ci3297082 |
| 1959-06-06T19:29:52.630Z | 33.1098333 | -116.4463333 | 6 | 3.1 | ci3297077 |
| 1959-05-27T18:06:49.130Z | 34.0138333 | -116.7145 | 6 | 3.14 | ci3297070 |
| 1959-05-21T15:50:42.670Z | 33.4335 | -116.6023333 | 15.11 | 3.77 | ci3297063 |
| 1959-05-06T23:23:28.210Z | 34.115 | -117.318 | 14.35 | 3.27 | ci3297052 |
| 1959-04-17T16:18:59.330Z | 33.9658333 | -116.4876667 | 6 | 3.9 | ci3297037 |
| 1959-04-17T14:27:46.570Z | 33.925 | -116.301 | 6 | 3.36 | ci3297036 |
| 1959-04-08T14:09:21.350Z | 34.0918333 | -116.437 | 6 | 3.07 | ci3297028 |
| 1959-04-01T11:55:23.780Z | 34.006 | -116.6408333 | 6 | 3.13 | ci3297026 |
| 1959-03-30T14:17:32.110Z | 33.3388333 | -116.968 | 8.96 | 3.25 | ci3297024 |
| 1959-03-15T04:24:07.570Z | 33.386 | -116.7641667 | 6 | 3.04 | ci3297018 |
| 1959-03-10T06:57:55.860Z | 33.1 | -116.4315 | 6 | 3.2 | ci3297014 |
| 1959-02-28T18:01:03.870Z | 33.4065 | -116.4748333 | 2.3 | 3.24 | ci3297004 |

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|---|---|---|---|---|---|
| 1959-02-05T02:43:29.970Z | 34.139 | -117.0083333 | 8.45 | 3.29 | ci3296984 |
| 1959-01-29T14:47:05.630Z | 33.461 | -116.5125 | 6.25 | 3.29 | ci3296961 |
| 1958-12-28T02:24:12.420Z | 33.0201667 | -115.8501667 | 6 | 3.45 | ci3296891 |
| 1958-12-16T07:39:49.800Z | 33.3625 | -116.3635 | 6 | 3.12 | ci3296865 |
| 1958-12-10T13:37:44.330Z | 34.2683333 | -117.1478333 | 6 | 3.48 | ci3296850 |
| 1958-11-08T13:20:43.460Z | 32.935 | -116.2235 | 6 | 3.95 | ci3296810 |
| 1958-11-06T03:07:49.320Z | 34.232 | -116.5916667 | 6 | 3.44 | ci3296803 |
| 1958-11-02T16:08:25.760Z | 33.7065 | -116.7851667 | 6 | 3.37 | ci3296800 |
| 1958-10-14T16:42:39.240Z | 33.6573333 | -116.7575 | 11.94 | 3.13 | ci3296781 |
| 1958-10-14T03:41:06.510Z | 33.4355 | -116.4033333 | 6 | 3.49 | ci3296780 |
| 1958-08-19T12:28:30.510Z | 33.1133333 | -116.0113333 | 6 | 3.76 | ci3296752 |
| 1958-08-16T04:27:57.690Z | 33.2355 | -116.116 | 6 | 3.1 | ci3296739 |
| 1958-07-25T22:59:25.440Z | 33.4836667 | -116.4985 | 6 | 3.75 | ci3296717 |
| 1958-07-04T08:02:00.090Z | 34.2485 | -117.1503333 | 1 | 3.27 | ci3296685 |
| 1958-06-27T15:07:30.130Z | 33.0988333 | -116.2868333 | 6 | 3.55 | ci3296675 |
| 1958-06-02T03:02:32.350Z | 33.1546667 | -116.506 | 6 | 3.95 | ci3296646 |
| 1958-06-01T15:16:22.920Z | 33.0933333 | -116.4823333 | 6 | 3.25 | ci3296643 |
| 1958-04-23T02:34:13.220Z | 34.534 | -116.0435 | 6 | 3.43 | ci3296591 |
| 1958-04-15T21:51:42.200Z | 34.0895 | -117.1991667 | 4.07 | 3.19 | ci3296581 |
| 1958-04-04T14:28:42.900Z | 34.4305 | -116.9181667 | 6 | 3.14 | ci3296571 |
| 1958-03-31T14:33:43.960Z | 34.045 | -117.2396667 | 18.64 | 3.37 | ci3296565 |
| 1958-03-30T06:53:17.260Z | 33.978 | -116.7521667 | 6 | 3.12 | ci3296562 |
| 1958-03-10T13:39:38.560Z | 33.231 | -115.9665 | 6 | 3.79 | ci3296535 |
| 1958-03-09T19:14:14.220Z | 33.353 | -116.2991667 | 6 | 3.49 | ci3296529 |
| 1958-03-05T22:07:16.760Z | 34.3428333 | -116.8616667 | 6 | 3.34 | ci3296525 |
| 1958-03-01T09:07:31.470Z | 34.3013333 | -116.1868333 | 6 | 3.19 | ci3296518 |
| 1958-02-21T16:34:17.840Z | 33.6796667 | -115.6173333 | 6 | 3.22 | ci3296506 |
| 1958-01-01T19:38:20.570Z | 33.1476667 | -115.8476667 | 6 | 3.54 | ci3296462 |
| 1957-12-17T14:22:16.100Z | 34.0286667 | -117.2873333 | 16.76 | 3.1 | ci3296347 |
| 1957-12-12T08:00:05.980Z | 34.2438333 | -116.1935 | 6 | 4.34 | ci3296325 |
| 1957-12-04T03:36:07.390Z | 34.009 | -116.4983333 | 6 | 3.41 | ci3296305 |
| 1957-12-04T03:07:46.960Z | 34.0773333 | -116.4216667 | 6 | 3.73 | ci3296304 |
| 1957-12-04T03:00:27.890Z | 34.0243333 | -116.495 | 6 | 3.22 | ci3296303 |
| 1957-12-04T02:58:40.720Z | 34.1013333 | -116.413 | 6 | 3.33 | ci3296302 |
| 1957-12-04T02:51:43.890Z | 34.0898333 | -116.4123333 | 6 | 4.26 | ci3296301 |
| 1957-12-01T03:15:26.070Z | 34.0068333 | -116.643 | 6 | 3.03 | ci3296298 |
| 1957-11-17T18:29:11.450Z | 34.1636667 | -116.9953333 | 6 | 3.35 | ci3296272 |
| 1957-11-17T18:14:44.440Z | 34.187 | -116.9738333 | 6 | 3.55 | ci3296255 |
| 1957-11-07T04:34:35.130Z | 34.003 | -117.037 | 19.26 | 3.43 | ci3296248 |
| 1957-10-28T13:04:36.090Z | 33.81 | -115.578 | 10.84 | 3.23 | ci3296238 |
| 1957-10-27T15:25:21.050Z | 34.1086667 | -117.311 | 15.15 | 3.18 | ci3296233 |
| 1957-10-16T02:55:43.190Z | 33.837 | -115.6706667 | 6 | 3.52 | ci3296226 |
| 1957-09-01T13:02:12.560Z | 34.027 | -117.2546667 | 16.18 | 3.38 | ci3296191 |

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|---|---|---|---|---|---|
| 1957-08-14T20:14:00.630Z | 33.0948333 | -116.0536667 | 6 | 3.35 | ci3296140 |
| 1957-08-10T15:22:48.120Z | 33.7088333 | -115.5533333 | 8.26 | 3.83 | ci3296132 |
| 1957-08-06T07:21:12.380Z | 33.7343333 | -115.7716667 | 0 | 3.65 | ci3296127 |
| 1957-07-29T21:40:51.850Z | 34.2365 | -116.9505 | 7.96 | 3.31 | ci3296112 |
| 1957-07-02T06:56:37.110Z | 32.9775 | -116.2876667 | 6 | 4.16 | ci3296072 |
| 1957-07-02T01:40:00.260Z | 33.0691667 | -116.5606667 | 6 | 3.18 | ci3296070 |
| 1957-07-01T23:36:13.450Z | 33.0551667 | -116.6106667 | 6 | 3.19 | ci3296069 |
| 1957-06-18T09:36:29.850Z | 33.5113333 | -116.5043333 | 4.22 | 3.09 | ci3296051 |
| 1957-05-31T01:50:04.080Z | 33.24 | -115.9896667 | 6 | 3.81 | ci3296042 |
| 1957-05-29T02:04:30.070Z | 33.0668333 | -116.3966667 | 6 | 3.67 | ci3296040 |
| 1957-05-27T17:04:41.610Z | 33.8148333 | -117.014 | 6 | 3.34 | ci3296038 |
| 1957-05-26T23:44:06.040Z | 33.202 | -116.0385 | 6 | 3.26 | ci3296032 |
| 1957-05-26T21:14:16.330Z | 33.1743333 | -116.0496667 | 6 | 3.76 | ci3296031 |
| 1957-05-26T16:05:59.250Z | 33.2833333 | -116.0253333 | 6 | 3.3 | ci3296030 |
| 1957-05-26T15:59:33.570Z | 33.2736667 | -116.0103333 | 6 | 4.97 | ci3296029 |
| 1957-04-26T00:01:24.960Z | 33.1633333 | -115.7333333 | 6 | 4.29 | ci3295981 |
| 1957-04-25T22:24:13.250Z | 33.2226667 | -116.0285 | 6 | 5.05 | ci3295973 |
| 1957-04-25T22:21:46.450Z | 33.0603333 | -115.7715 | 6 | 4.26 | ci3295972 |
| 1957-04-22T01:26:44.570Z | 34.3845 | -117.0408333 | 1.49 | 3.37 | ci3295954 |
| 1957-04-16T21:44:57.150Z | 33.0658333 | -116.428 | 6 | 4.08 | ci3295950 |
| 1957-04-03T19:53:14.830Z | 33.732 | -115.9558333 | 6 | 3.22 | ci3295938 |
| 1957-04-03T03:53:37.800Z | 33.6605 | -115.8803333 | 19.65 | 3.25 | ci3295937 |
| 1957-04-02T04:25:26.640Z | 33.7156667 | -115.9495 | 7.05 | 3.41 | ci3295932 |
| 1957-04-02T04:22:46.480Z | 33.7213333 | -115.9653333 | 2.95 | 4.13 | ci3295931 |
| 1957-03-30T21:34:47.980Z | 33.1251667 | -116.4218333 | 6 | 3.8 | ci3295929 |
| 1957-03-30T09:20:52.790Z | 34.0433333 | -116.9366667 | 14.91 | 3.04 | ci3295926 |
| 1957-03-24T00:46:47.640Z | 33.1298333 | -116.4363333 | 6 | 3.74 | ci3295920 |
| 1957-03-14T00:28:02.440Z | 33.335 | -116.2166667 | 6 | 3.22 | ci3295892 |
| 1957-03-07T17:13:09.410Z | 33.4498333 | -116.5663333 | 5.12 | 3.65 | ci3295884 |
| 1957-02-26T21:16:52.430Z | 32.9776667 | -116.2881667 | 6 | 4.07 | ci3295873 |
| 1957-02-12T20:51:47.900Z | 33.1076667 | -116.3835 | 6 | 3.62 | ci3295823 |
| 1957-02-11T06:28:21.220Z | 33.3395 | -116.3575 | 6 | 3.48 | ci3295820 |
| 1957-02-06T09:04:32.710Z | 34.099 | -117.3001667 | 17.66 | 3.46 | ci3295812 |
| 1957-02-01T07:52:14.560Z | 33.9823333 | -116.3263333 | 6 | 4.51 | ci3295808 |
| 1957-01-24T22:30:05.570Z | 33.1345 | -116.4171667 | 6 | 3.05 | ci3295801 |
| 1957-01-24T20:54:47.840Z | 33.0621667 | -116.3735 | 6 | 4.65 | ci3295792 |
| 1957-01-17T16:53:17.480Z | 34.1861667 | -116.747 | 9.67 | 3.8 | ci3295788 |
| 1956-12-28T09:54:40.120Z | 33.8246667 | -115.7931667 | 6 | 3.49 | ci3295781 |
| 1956-12-23T23:25:20.200Z | 34.0061667 | -117.1058333 | 8.1 | 3.09 | ci3295777 |
| 1956-12-20T18:36:59.210Z | 33.0208333 | -116.0981667 | 6 | 3.64 | ci3295774 |
| 1956-11-25T19:10:51.060Z | 33.9853333 | -116.7298333 | 18.7 | 3.14 | ci3295754 |
| 1956-10-20T02:38:55.480Z | 34.0138333 | -116.7343333 | 13.02 | 3.09 | ci3295709 |
| 1956-10-17T12:59:18.550Z | 33.1193333 | -116.4165 | 6 | 3.04 | ci3295647 |

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|---|---|---|---|---|---|
| 1956-10-07T13:32:02.350Z | 33.987 | -116.6946667 | 15.17 | 3.01 | ci3295506 |
| 1956-10-03T01:34:35.380Z | 33.8021667 | -117.0208333 | 6 | 3.19 | ci3295502 |
| 1956-10-02T20:44:34.490Z | 33.8296667 | -117.0001667 | 6 | 3.73 | ci3295501 |
| 1956-09-26T11:36:26.560Z | 33.9871667 | -116.0793333 | 6 | 3.03 | ci3295491 |
| 1956-09-23T11:24:41.530Z | 33.5328333 | -116.5525 | 15.27 | 4.15 | ci3295485 |
| 1956-09-20T06:23:51.180Z | 33.964 | -116.1776667 | 6 | 3.17 | ci3295470 |
| 1956-09-17T00:58:00.430Z | 33.9788333 | -116.209 | 6 | 3.58 | ci3295465 |
| 1956-09-17T00:03:36.310Z | 33.9658333 | -116.2106667 | 6 | 3.6 | ci3295464 |
| 1956-09-02T05:26:18.900Z | 33.7593333 | -116.0533333 | 6 | 3.66 | ci3295439 |
| 1956-09-02T02:46:36.830Z | 33.7678333 | -116.0705 | 6 | 4.1 | ci3295412 |
| 1956-09-01T05:57:52.980Z | 33.7471667 | -116.0253333 | 6 | 3.84 | ci3295408 |
| 1956-09-01T03:30:07.350Z | 33.7416667 | -116.0026667 | 6 | 3.09 | ci3295407 |
| 1956-09-01T01:45:20.750Z | 33.749 | -116.0623333 | 6 | 3.46 | ci3295406 |
| 1956-08-25T23:37:34.340Z | 34.3086667 | -116.7321667 | 6 | 3.1 | ci3295397 |
| 1956-08-06T05:31:07.730Z | 33.5448333 | -116.6746667 | 8.21 | 3.09 | ci3295363 |
| 1956-07-18T18:43:42.580Z | 34.1476667 | -116.9716667 | 0.01 | 3.52 | ci3295340 |
| 1956-07-08T11:22:18.530Z | 34.2506667 | -117.1548333 | 0.02 | 3.45 | ci3295319 |
| 1956-07-04T05:52:56.730Z | 34.2141667 | -117.134 | 0 | 3.07 | ci3295313 |
| 1956-05-23T08:47:08.380Z | 33.4238333 | -116.416 | 6 | 3.15 | ci3295280 |
| 1956-05-17T04:07:07.090Z | 34.2663333 | -117.1826667 | 6 | 3.01 | ci3295153 |
| 1956-05-11T16:30:50.440Z | 34.2288333 | -116.7776667 | 11.68 | 4.68 | ci3295148 |
| 1956-04-22T14:58:39.330Z | 34.2891667 | -116.4631667 | 6 | 3.26 | ci3295125 |
| 1956-04-22T14:52:25.730Z | 34.3195 | -116.435 | 6 | 3.01 | ci3295123 |
| 1956-04-01T10:39:23.260Z | 33.7706667 | -116.0773333 | 6 | 3.62 | ci3295062 |
| 1956-03-20T11:01:10.210Z | 34.2848333 | -116.7525 | 6.36 | 3.03 | ci3295045 |
| 1956-03-18T02:42:16.920Z | 34.3126667 | -116.767 | 4.12 | 3.87 | ci3295041 |
| 1956-03-17T00:44:03.920Z | 34.2058333 | -116.8265 | 0.01 | 3.42 | ci3295038 |
| 1956-03-17T00:40:13.480Z | 34.2341667 | -116.8015 | 0 | 3.48 | ci3295457 |
| 1956-03-17T00:00:17.010Z | 34.217 | -116.8046667 | 0 | 3.37 | ci3295034 |
| 1956-03-16T23:48:09.090Z | 34.1893333 | -116.823 | 0 | 3.28 | ci3295033 |
| 1956-03-16T23:40:41.110Z | 34.1823333 | -116.824 | 0 | 3.86 | ci3295032 |
| 1956-03-16T23:36:04.400Z | 34.259 | -116.7966667 | 0 | 3.76 | ci3295031 |
| 1956-03-16T23:34:56.790Z | 34.2925 | -116.768 | 1.88 | 4.37 | ci3295030 |
| 1956-03-16T20:39:35.790Z | 34.22 | -116.7916667 | 0 | 3.32 | ci3295029 |
| 1956-03-16T20:38:12.200Z | 34.1935 | -116.8076667 | 0 | 3.41 | ci3295028 |
| 1956-03-16T20:36:14.310Z | 34.2125 | -116.8125 | 0.38 | 4 | ci3295027 |
| 1956-03-16T20:33:45.050Z | 34.1936667 | -116.8266667 | 0 | 3.96 | ci3295026 |
| 1956-03-16T20:29:33.730Z | 34.289 | -116.775 | 2.71 | 4.7 | ci3295013 |
| 1956-03-16T19:43:53.670Z | 34.2195 | -116.8343333 | 0.15 | 3.34 | ci3295012 |
| 1956-03-16T14:35:04.660Z | 34.2398333 | -116.822 | 1.84 | 3.57 | ci3295010 |
| 1956-03-05T02:15:26.560Z | 33.2683333 | -115.5651667 | 6 | 3.47 | ci3297700 |
| 1956-02-21T21:20:42.960Z | 34.5226667 | -116.549 | 6 | 3.17 | ci3297593 |
| 1956-02-21T18:40:20.290Z | 33.154 | -116.4461667 | 6 | 3.62 | ci3297592 |

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|---|---|---|---|---|---|
| 1956-01-21T06:22:00.820Z | 33.4686667 | -116.4695 | 6 | 3.44 | ci3297492 |
| 1955-12-25T09:30:04.140Z | 34.0133333 | -116.5523333 | 6 | 3.54 | ci3297469 |
| 1955-12-01T08:50:14.770Z | 33.0196667 | -116.38 | 6 | 3.25 | ci3297374 |
| 1955-11-17T04:41:37.570Z | 33.689 | -116.8531667 | 6 | 3.39 | ci3297353 |
| 1955-11-13T18:34:42.020Z | 32.9525 | -116.3166667 | 6 | 3.17 | ci3297351 |
| 1955-11-10T09:08:48.900Z | 33.2233333 | -116.0978333 | 6 | 3.26 | ci3297344 |
| 1955-11-09T22:41:35.140Z | 34.0295 | -116.8401667 | 6.17 | 3.47 | ci3297342 |
| 1955-10-23T20:05:40.610Z | 34.2736667 | -117.089 | 12.96 | 3.08 | ci3297321 |
| 1955-10-13T05:25:30.280Z | 34.0375 | -117.1856667 | 14.08 | 3.49 | ci3297305 |
| 1955-10-05T09:05:05.280Z | 33.4598333 | -116.6128333 | 8.81 | 3.06 | ci3297300 |
| 1955-08-26T05:41:04.250Z | 33.1598333 | -116.1656667 | 6 | 3.4 | ci3297972 |
| 1955-08-26T05:30:23.640Z | 33.1845 | -115.8773333 | 6 | 3.26 | ci3297997 |
| 1955-08-26T05:23:24.260Z | 33.3355 | -115.7618333 | 6 | 4.13 | ci3297996 |
| 1955-08-15T03:31:38.970Z | 33.4736667 | -116.5903333 | 7.67 | 3.24 | ci3297954 |
| 1955-08-05T18:34:29.660Z | 33.5263333 | -116.5545 | 6 | 3.26 | ci3297939 |
| 1955-08-03T16:49:06.000Z | 34.0728333 | -117.0106667 | 6 | 3.58 | ci3297936 |
| 1955-07-27T01:35:03.090Z | 33.9528333 | -117.1996667 | 5.92 | 3.15 | ci3297934 |
| 1955-07-23T00:26:29.450Z | 34.4846667 | -116.8968333 | 6 | 3.03 | ci3297930 |
| 1955-07-16T11:39:47.290Z | 34.0531667 | -116.7235 | 13.15 | 3.36 | ci3297894 |
| 1955-07-16T02:32:15.430Z | 33.4455 | -116.5605 | 6 | 3.08 | ci3297891 |
| 1955-07-07T03:08:16.380Z | 33.0888333 | -116.2856667 | 6 | 3.11 | ci3297859 |
| 1955-07-02T16:29:39.740Z | 34.2946667 | -116.7031667 | 0.46 | 4.1 | ci3297855 |
| 1955-06-29T22:21:51.070Z | 33.2318333 | -116.0286667 | 6 | 3.51 | ci3297852 |
| 1955-06-21T12:42:06.990Z | 34.184 | -116.9346667 | 0 | 3.13 | ci3297846 |
| 1955-05-30T19:15:32.780Z | 34.2181667 | -116.2063333 | 6 | 3.56 | ci3297820 |
| 1955-05-27T09:48:39.030Z | 34.2858333 | -116.7466667 | 6.04 | 3.08 | ci3297816 |
| 1955-05-15T04:53:39.610Z | 34.1251667 | -117.0516667 | 0.01 | 3.09 | ci3297807 |
| 1955-05-10T04:38:40.210Z | 33.109 | -115.8563333 | 6 | 4.06 | ci3297802 |
| 1955-04-25T02:55:14.110Z | 33.454 | -116.6525 | 7.42 | 3.93 | ci3297792 |
| 1955-04-03T15:01:38.060Z | 34.0588333 | -117.2498333 | 17.13 | 3.07 | ci3297775 |
| 1955-03-26T14:16:05.400Z | 32.9993333 | -116.3646667 | 6 | 3.24 | ci3297767 |
| 1955-03-16T14:51:45.920Z | 34.001 | -116.3883333 | 6 | 3.36 | ci3297761 |
| 1955-01-28T12:10:18.080Z | 33.7475 | -115.3266667 | 6 | 4.31 | ci3298032 |
| 1955-01-23T11:17:08.490Z | 33.6473333 | -116.7661667 | 11.62 | 3.19 | ci3298028 |
| 1955-01-22T18:57:24.360Z | 33.1476667 | -116.2335 | 6 | 3.29 | ci3298025 |
| 1955-01-13T23:35:47.900Z | 32.9866667 | -116.3491667 | 6 | 3.27 | ci3298014 |
| 1954-12-21T02:34:43.160Z | 34.3666667 | -116.3755 | 6 | 3.3 | ci3298657 |
| 1954-12-07T05:42:57.640Z | 33.7653333 | -116.9351667 | 6 | 3.03 | ci3298641 |
| 1954-10-30T02:02:44.780Z | 33.9995 | -115.6406667 | 6 | 4.49 | ci3298553 |
| 1954-10-26T08:28:28.270Z | 33.725 | -117.4823333 | 9.31 | 3.32 | ci3298547 |
| 1954-10-21T02:45:51.820Z | 34.0045 | -117.167 | 14.69 | 3.46 | ci3298515 |
| 1954-10-13T02:20:25.740Z | 34.3211667 | -116.152 | 6 | 3.05 | ci3298481 |
| 1954-08-29T22:50:05.680Z | 34.1315 | -116.1015 | 6 | 3.16 | ci3298431 |

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|---|---|---|---|---|---|
| 1954-07-28T18:52:36.010Z | 33.1808333 | -116.0771667 | 6 | 3.15 | ci3300040 |
| 1954-07-26T15:05:36.710Z | 34.274 | -116.4291667 | 6 | 3 | ci3300039 |
| 1954-07-22T14:54:54.940Z | 34.403 | -116.4926667 | 6 | 3.01 | ci3300029 |
| 1954-07-09T17:22:31.290Z | 33.946 | -116.4326667 | 6 | 3.11 | ci3300008 |
| 1954-07-04T05:27:21.230Z | 33.0598333 | -116.1566667 | 6 | 3.63 | ci3300002 |
| 1954-06-29T12:18:50.020Z | 33.1195 | -116.0163333 | 6 | 3.33 | ci3300001 |
| 1954-06-29T07:26:39.540Z | 33.93 | -117.1311667 | 0 | 3.06 | ci3300000 |
| 1954-06-22T11:53:57.500Z | 33.2158333 | -116.0981667 | 6 | 3.16 | ci3299992 |
| 1954-06-05T20:41:40.260Z | 34.0603333 | -116.8248333 | 6 | 3.44 | ci3299950 |
| 1954-05-31T06:34:58.040Z | 33.242 | -116.059 | 6 | 3.19 | ci3299945 |
| 1954-05-30T04:58:07.390Z | 33.2273333 | -116.1268333 | 6 | 3.41 | ci3299944 |
| 1954-05-28T01:45:06.190Z | 33.2206667 | -115.9848333 | 6 | 3.3 | ci3299939 |
| 1954-05-23T06:20:51.130Z | 33.2171667 | -116.059 | 6 | 3.25 | ci3299928 |
| 1954-05-20T17:48:59.720Z | 33.222 | -116.1053333 | 6 | 3.35 | ci3299923 |
| 1954-05-19T21:47:03.650Z | 33.2165 | -115.5903333 | 6 | 3.55 | ci3299920 |
| 1954-05-18T19:54:32.810Z | 33.253 | -116.0853333 | 6 | 3.11 | ci3299918 |
| 1954-05-06T00:23:35.540Z | 33.2066667 | -116.1208333 | 6 | 3.28 | ci3299871 |
| 1954-04-30T00:36:23.010Z | 34.0403333 | -116.741 | 2.4 | 4.06 | ci3299854 |
| 1954-04-17T06:37:16.600Z | 33.2068333 | -115.934 | 6 | 3.12 | ci3299819 |
| 1954-04-16T20:24:42.460Z | 33.217 | -116.036 | 6 | 3.31 | ci3299815 |
| 1954-04-15T08:28:06.430Z | 33.2656667 | -116.1628333 | 6 | 3.08 | ci3299814 |
| 1954-04-10T08:06:56.470Z | 33.054 | -116.2598333 | 6 | 3.29 | ci3299805 |
| 1954-04-09T06:19:16.520Z | 33.1643333 | -116.0655 | 6 | 3.23 | ci3299801 |
| 1954-04-06T15:09:34.570Z | 33.249 | -116.0816667 | 6 | 3.28 | ci3299793 |
| 1954-04-04T04:29:20.390Z | 33.1963333 | -116.1248333 | 6 | 3.12 | ci3299790 |
| 1954-03-31T13:44:19.530Z | 33.2355 | -116.1078333 | 6 | 3.12 | ci3299784 |
| 1954-03-30T21:26:07.330Z | 33.1725 | -116.1743333 | 6 | 3.3 | ci3299783 |
| 1954-03-30T17:18:08.440Z | 33.2023333 | -116.1416667 | 6 | 3.29 | ci3299782 |
| 1954-03-30T15:30:47.440Z | 33.218 | -115.9865 | 6 | 3.33 | ci3299781 |
| 1954-03-28T21:40:18.720Z | 33.235 | -116.0908333 | 6 | 3.3 | ci3299778 |
| 1954-03-28T18:44:00.790Z | 33.2596667 | -116.097 | 6 | 3.41 | ci3299776 |
| 1954-03-28T07:15:22.340Z | 33.2598333 | -116.1661667 | 6 | 3.56 | ci3299775 |
| 1954-03-27T22:52:08.050Z | 33.2393333 | -116.0086667 | 6 | 3.14 | ci3299774 |
| 1954-03-26T23:07:21.500Z | 33.2483333 | -115.979 | 6 | 3.51 | ci3299771 |
| 1954-03-26T16:55:36.060Z | 33.1936667 | -116.0251667 | 6 | 3.35 | ci3299770 |
| 1954-03-26T10:53:06.350Z | 33.2356667 | -116.0966667 | 6 | 3.58 | ci3299767 |
| 1954-03-26T06:01:21.520Z | 33.1998333 | -116.0936667 | 6 | 3.13 | ci3299766 |
| 1954-03-25T02:17:09.510Z | 33.2206667 | -116.1086667 | 6 | 3.21 | ci3299763 |
| 1954-03-24T19:32:58.470Z | 33.1946667 | -115.999 | 6 | 3.66 | ci3299761 |
| 1954-03-24T11:56:32.350Z | 33.121 | -115.924 | 6 | 3.45 | ci3299760 |
| 1954-03-24T05:17:31.960Z | 33.2198333 | -116.1021667 | 6 | 3.59 | ci3299758 |
| 1954-03-23T18:57:18.700Z | 33.2261667 | -116.2201667 | 6 | 3.17 | ci3299756 |
| 1954-03-23T04:23:31.830Z | 33.2393333 | -116.2051667 | 6 | 3.67 | ci3299753 |

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|---|---|---|---|---|---|
| 1954-03-23T04:18:04.010Z | 33.2475 | -116.1501667 | 6 | 3.29 | ci3299751 |
| 1954-03-23T04:14:48.330Z | 33.2623333 | -116.0353333 | 6 | 4.93 | ci3299750 |
| 1954-03-22T07:43:44.040Z | 33.2085 | -116.1386667 | 6 | 3.31 | ci3299748 |
| 1954-03-21T22:29:21.790Z | 33.2598333 | -116.1343333 | 6 | 3.02 | ci3299744 |
| 1954-03-20T13:57:14.530Z | 33.2353333 | -116.0033333 | 6 | 3.35 | ci3299740 |
| 1954-03-20T13:47:58.100Z | 33.2498333 | -115.9971667 | 6 | 3.56 | ci3299739 |
| 1954-03-20T13:35:34.260Z | 33.296 | -116.0598333 | 6 | 3.64 | ci3299738 |
| 1954-03-20T12:00:47.800Z | 33.2573333 | -116.1246667 | 6 | 3.39 | ci3299737 |
| 1954-03-20T11:59:18.530Z | 33.2455 | -116.0521667 | 6 | 3.33 | ci3299736 |
| 1954-03-20T09:42:40.020Z | 33.274 | -116.1541667 | 6 | 3.21 | ci3299735 |
| 1954-03-20T06:03:53.810Z | 33.2681667 | -116.1988333 | 6 | 4.23 | ci3299734 |
| 1954-03-20T04:49:04.100Z | 33.2038333 | -116.0603333 | 6 | 3.58 | ci3299733 |
| 1954-03-20T04:19:18.170Z | 33.2463333 | -116.0788333 | 6 | 4.74 | ci3299731 |
| 1954-03-20T04:12:55.980Z | 33.2416667 | -116.092 | 6 | 3.14 | ci3299732 |
| 1954-03-20T03:12:52.580Z | 33.1673333 | -115.9686667 | 6 | 3.62 | ci3299729 |
| 1954-03-19T22:44:53.650Z | 33.2641667 | -116.1265 | 6 | 3.5 | ci3299728 |
| 1954-03-19T20:37:38.420Z | 33.2736667 | -116.1835 | 6 | 3.4 | ci3299726 |
| 1954-03-19T19:39:41.840Z | 33.2908333 | -116.1533333 | 6 | 3.1 | ci3299725 |
| 1954-03-19T19:21:10.590Z | 33.2318333 | -116.1006667 | 6 | 3.23 | ci3299724 |
| 1954-03-19T19:08:57.590Z | 33.2271667 | -116.026 | 6 | 3.06 | ci3299723 |
| 1954-03-19T19:04:46.060Z | 33.2313333 | -116.1723333 | 6 | 3.09 | ci3299722 |
| 1954-03-19T17:59:13.940Z | 33.177 | -115.9946667 | 6 | 3.35 | ci3299721 |
| 1954-03-19T17:57:14.500Z | 33.2105 | -116.0506667 | 6 | 3.05 | ci3299720 |
| 1954-03-19T17:29:21.820Z | 33.2591667 | -116.1883333 | 6 | 3.61 | ci3299719 |
| 1954-03-19T17:08:25.120Z | 33.241 | -116.0716667 | 6 | 3.14 | ci3299717 |
| 1954-03-19T17:04:47.640Z | 33.2378333 | -116.1298333 | 6 | 3.41 | ci3299716 |
| 1954-03-19T16:52:33.330Z | 33.2508333 | -115.9425 | 6 | 3.94 | ci3299715 |
| 1954-03-19T16:18:23.120Z | 33.2958333 | -116.1206667 | 6 | 3.59 | ci3299714 |
| 1954-03-19T16:04:20.450Z | 33.246 | -116.1031667 | 6 | 3.88 | ci3299713 |
| 1954-03-19T15:19:41.040Z | 33.2861667 | -116.203 | 6 | 3.25 | ci3299712 |
| 1954-03-19T14:50:37.340Z | 33.2891667 | -116.1753333 | 6 | 3.4 | ci3299711 |
| 1954-03-19T14:37:48.240Z | 33.2585 | -116.0738333 | 6 | 3.88 | ci3299710 |
| 1954-03-19T14:17:25.630Z | 33.2013333 | -116.0475 | 6 | 3.16 | ci3299709 |
| 1954-03-19T14:07:33.980Z | 33.2455 | -115.9983333 | 6 | 3.24 | ci3299708 |
| 1954-03-19T14:03:11.010Z | 33.2295 | -116.112 | 6 | 3.61 | ci3299706 |
| 1954-03-19T14:00:57.160Z | 33.2333333 | -116.1343333 | 6 | 4.01 | ci3299705 |
| 1954-03-19T13:08:02.320Z | 33.1883333 | -116.0196667 | 6 | 4.24 | ci3299703 |
| 1954-03-19T12:48:25.470Z | 33.2276667 | -116.0453333 | 6 | 3.23 | ci3299702 |
| 1954-03-19T12:43:40.060Z | 33.29 | -116.067 | 6 | 3.23 | ci3299701 |
| 1954-03-19T12:29:37.400Z | 33.2695 | -116.219 | 6 | 3.52 | ci3299700 |
| 1954-03-19T12:15:08.790Z | 33.216 | -116.0645 | 6 | 3.39 | ci3299699 |
| 1954-03-19T12:01:16.350Z | 33.2665 | -116.1255 | 6 | 3.52 | ci3299698 |
| 1954-03-19T11:47:26.640Z | 33.238 | -115.9991667 | 6 | 3.24 | ci3299697 |

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|---|---|---|---|---|---|
| 1954-03-19T11:07:43.670Z | 33.29 | -116.067 | 6 | 3.2 | ci3299696 |
| 1954-03-19T11:07:27.430Z | 33.2688333 | -116.121 | 6 | 3.15 | ci3299695 |
| 1954-03-19T11:02:54.580Z | 33.2623333 | -116.1335 | 6 | 3.02 | ci3299693 |
| 1954-03-19T11:02:01.560Z | 33.2433333 | -116.0563333 | 6 | 3.39 | ci3299692 |
| 1954-03-19T10:39:36.130Z | 33.2338333 | -116.1113333 | 6 | 3.36 | ci3299691 |
| 1954-03-19T10:39:16.400Z | 33.2268333 | -116.1718333 | 6 | 3.62 | ci3299690 |
| 1954-03-19T10:39:00.320Z | 33.2611667 | -116.1715 | 6 | 3.44 | ci3299689 |
| 1954-03-19T10:38:15.140Z | 33.2545 | -116.104 | 6 | 3.36 | ci3299688 |
| 1954-03-19T10:34:14.160Z | 33.29 | -116.067 | 6 | 3.42 | ci3299686 |
| 1954-03-19T10:32:33.430Z | 33.3116667 | -116.1658333 | 6 | 3.53 | ci3299685 |
| 1954-03-19T10:32:18.660Z | 33.2423333 | -116.1193333 | 6 | 3.8 | ci3299684 |
| 1954-03-19T10:30:20.470Z | 33.2123333 | -116.048 | 6 | 3.71 | ci3299682 |
| 1954-03-19T10:29:55.920Z | 33.225 | -116.2023333 | 6 | 3.27 | ci3299680 |
| 1954-03-19T10:28:32.520Z | 33.282 | -115.976 | 6 | 3.49 | ci3299678 |
| 1954-03-19T10:28:08.070Z | 33.1946667 | -116.0736667 | 6 | 3.36 | ci3299677 |
| 1954-03-19T10:27:49.180Z | 33.2651667 | -116.0656667 | 6 | 3.23 | ci3299676 |
| 1954-03-19T10:26:08.450Z | 33.257 | -116.0386667 | 6 | 3.89 | ci3299675 |
| 1954-03-19T10:22:48.300Z | 33.2115 | -115.9843333 | 6 | 3.77 | ci3299673 |
| 1954-03-19T10:21:16.330Z | 33.2095 | -116.0976667 | 6 | 5.48 | ci3299672 |
| 1954-03-19T10:19:55.650Z | 33.2515 | -116.0845 | 6 | 4.48 | ci3299671 |
| 1954-03-19T10:18:15.230Z | 33.2496667 | -116.1546667 | 6 | 3.42 | ci3299670 |
| 1954-03-19T10:17:13.330Z | 33.2463333 | -116.0998333 | 6 | 3.87 | ci3299669 |
| 1954-03-19T10:15:22.020Z | 33.2505 | -116.1685 | 6 | 4.47 | ci3299667 |
| 1954-03-19T10:12:50.610Z | 33.2683333 | -116.0651667 | 6 | 3.65 | ci3299666 |
| 1954-03-19T10:06:11.840Z | 33.1911667 | -116.0778333 | 6 | 3.46 | ci3299665 |
| 1954-03-19T10:04:42.380Z | 33.3226667 | -116.1583333 | 6 | 3.31 | ci3299664 |
| 1954-03-19T10:02:32.580Z | 33.29 | -116.067 | 6 | 3.36 | ci3299663 |
| 1954-03-19T10:02:13.740Z | 33.2601667 | -116.153 | 6 | 3.49 | ci3299661 |
| 1954-03-19T10:01:39.100Z | 33.1993333 | -116.186 | 6 | 4.09 | ci3299660 |
| 1954-03-19T10:00:10.750Z | 33.2705 | -116.1145 | 6 | 3.66 | ci3299659 |
| 1954-03-19T09:59:33.400Z | 33.3 | -116.08 | 6 | 3.43 | ci3299658 |
| 1954-03-19T09:58:05.690Z | 33.3 | -116.08 | 6 | 3.7 | ci3299657 |
| 1954-03-19T09:57:45.790Z | 33.3 | -116.08 | 6 | 4.27 | ci3299656 |
| 1954-03-19T09:57:05.070Z | 33.3 | -116.08 | 6 | 4.53 | ci3299655 |
| 1954-03-19T09:55:56.190Z | 33.3 | -116.08 | 6 | 4.79 | ci3299654 |
| 1954-03-19T09:54:27.830Z | 33.2985 | -116.0805 | 6 | 6.4 | ci3299653 |
| 1954-03-07T01:56:09.360Z | 33.2173333 | -115.9868333 | 6 | 3.06 | ci3298701 |
| 1954-02-26T09:08:34.120Z | 33.128 | -116.1255 | 6 | 3.37 | ci3298685 |
| 1954-02-12T09:44:27.490Z | 33.3216667 | -116.4478333 | 14.45 | 4.5 | ci3301261 |
| 1954-02-10T15:41:36.650Z | 33.2383333 | -116.0713333 | 6 | 3.21 | ci3301259 |
| 1954-01-23T08:03:17.420Z | 33.726 | -116.0303333 | 6 | 3.22 | ci3301176 |
| 1954-01-21T02:17:07.330Z | 34.0251667 | -116.8375 | 6 | 3.08 | ci3301166 |
| 1954-01-08T16:25:25.790Z | 33.1405 | -116.3008333 | 6 | 3.27 | ci3301108 |

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|---|---|---|---|---|---|
| 1954-01-07T21:22:10.960Z | 33.2358333 | -116.1116667 | 6 | 3.24 | ci3301107 |
| 1954-01-06T03:48:43.980Z | 33.9373333 | -116.9623333 | 17.44 | 3.21 | ci3301103 |
| 1954-01-04T23:31:52.330Z | 33.242 | -116.097 | 6 | 4.09 | ci3301101 |
| 1954-01-04T19:49:08.270Z | 33.1985 | -116.0733333 | 6 | 3.13 | ci3301097 |
| 1954-01-04T18:50:55.080Z | 33.2078333 | -115.9731667 | 6 | 3.92 | ci3301096 |
| 1954-01-04T15:13:30.470Z | 33.2338333 | -116.1871667 | 6 | 3.11 | ci3301095 |
| 1953-12-29T10:39:34.800Z | 33.9658333 | -117.191 | 10.13 | 3.25 | ci3300324 |
| 1953-12-20T23:15:50.720Z | 33.9843333 | -116.4145 | 6 | 3.07 | ci3300301 |
| 1953-12-15T07:15:26.060Z | 33.055 | -116.2446667 | 6 | 3.06 | ci3300289 |
| 1953-12-09T11:53:54.420Z | 33.9556667 | -116.4395 | 6 | 3.19 | ci3300281 |
| 1953-12-02T07:43:29.250Z | 33.2773333 | -116.263 | 6 | 3.47 | ci3300270 |
| 1953-11-23T13:39:06.940Z | 33.1086667 | -116.4355 | 6 | 4.22 | ci3300249 |
| 1953-09-11T20:50:45.060Z | 34.0748333 | -115.655 | 6 | 4.11 | ci3300163 |
| 1953-08-30T02:26:25.510Z | 34.0115 | -116.8033333 | 15.63 | 3.43 | ci3300141 |
| 1953-08-11T01:29:21.050Z | 34.0521667 | -116.4373333 | 6 | 3.14 | ci3300096 |
| 1953-08-07T22:43:52.820Z | 33.1295 | -116.1138333 | 6 | 3.36 | ci3300094 |
| 1953-08-05T14:56:29.870Z | 33.673 | -115.9996667 | 6 | 3.07 | ci3300081 |
| 1953-07-12T01:33:51.730Z | 33.71 | -116.9376667 | 6 | 3.34 | ci3305810 |
| 1953-07-09T02:44:22.390Z | 34.3383333 | -116.2533333 | 6 | 3.53 | ci3305804 |
| 1953-07-05T20:02:27.790Z | 34.4848333 | -116.2391667 | 6 | 3.22 | ci3305796 |
| 1953-07-05T12:21:15.630Z | 33.2268333 | -116.5038333 | 6 | 3.16 | ci3305795 |
| 1953-06-28T04:23:36.380Z | 33.2381667 | -116.061 | 6 | 3.3 | ci3305783 |
| 1953-06-02T14:15:39.950Z | 33.1466667 | -115.9653333 | 6 | 3.15 | ci3304027 |
| 1953-05-12T21:43:31.510Z | 33.2268333 | -116.1428333 | 6 | 3.1 | ci3303976 |
| 1953-05-04T03:09:42.190Z | 34.29 | -116.3658333 | 6 | 3.06 | ci3303177 |
| 1953-05-04T02:30:22.070Z | 34.1093333 | -117.3006667 | 5.13 | 3.35 | ci3303175 |
| 1953-04-23T11:48:33.290Z | 34.2935 | -116.4591667 | 6 | 3.02 | ci3303147 |
| 1953-04-11T19:53:25.930Z | 34.038 | -116.7146667 | 0.61 | 3.09 | ci3303132 |
| 1953-02-20T21:18:26.140Z | 33.2565 | -116.476 | 6 | 3.7 | ci3302218 |
| 1953-02-20T15:23:47.660Z | 34.4728333 | -116.8216667 | 0.26 | 3.29 | ci3302216 |
| 1953-02-04T04:36:14.820Z | 33.4215 | -116.4861667 | 6 | 4.27 | ci3317511 |
| 1953-01-23T14:37:41.300Z | 34.4455 | -116.5935 | 6 | 3.39 | ci3317331 |
| 1952-12-27T17:13:36.960Z | 33.7451667 | -115.6713333 | 6 | 3.37 | ci3308185 |
| 1952-11-24T03:18:57.940Z | 33.8486667 | -115.6553333 | 6 | 3.24 | ci3307226 |
| 1952-11-23T22:50:53.980Z | 34.269 | -117.0948333 | 3.44 | 3.17 | ci3307220 |
| 1952-11-16T13:48:24.310Z | 34.008 | -117.1798333 | 15.75 | 3.82 | ci3307211 |
| 1952-11-04T19:07:31.590Z | 33.0475 | -116.759 | 6 | 3.04 | ci3306871 |
| 1952-10-31T06:12:56.020Z | 33.8618333 | -115.5318333 | 6 | 3.4 | ci3306869 |
| 1952-10-17T12:48:50.610Z | 34.128 | -117.3315 | 6.22 | 3.02 | ci3306857 |
| 1952-10-11T19:53:28.670Z | 33.9735 | -116.5821667 | 6 | 3.13 | ci3306848 |
| 1952-10-05T01:34:15.270Z | 33.3811667 | -116.4171667 | 6 | 3.03 | ci3306833 |
| 1952-09-28T04:00:10.780Z | 33.9918333 | -117.2555 | 11.37 | 3.14 | ci3306797 |
| 1952-09-10T01:23:52.690Z | 34.149 | -116.5138333 | 6 | 3.1 | ci3306774 |

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|---|---|---|---|---|---|
| 1952-07-21T17:27:45.720Z | 33.948 | -117.2 | 6 | 3.22 | ci3319098 |
| 1952-07-14T09:50:36.480Z | 33.9468333 | -115.604 | 6 | 3.29 | ci3319470 |
| 1952-07-13T01:30:20.750Z | 32.896 | -116.3258333 | 6 | 3.06 | ci3319471 |
| 1952-06-16T08:34:48.960Z | 33.2231667 | -116.0243333 | 6 | 3.46 | ci3319487 |
| 1952-06-05T09:38:14.410Z | 33.3048333 | -116.7586667 | 7.52 | 3.59 | ci3319520 |
| 1952-05-31T13:37:31.800Z | 33.862 | -116.3081667 | 6 | 3.53 | ci3319533 |
| 1952-05-27T06:27:02.770Z | 33.3851667 | -116.3235 | 10 | 3.39 | ci3319539 |
| 1952-04-10T10:08:26.550Z | 33.9303333 | -115.7161667 | 6 | 3.21 | ci3321997 |
| 1952-04-09T12:24:25.040Z | 33.858 | -115.7773333 | 6 | 3.89 | ci3321996 |
| 1952-04-08T18:25:25.320Z | 33.9608333 | -115.7033333 | 6 | 3.33 | ci3324717 |
| 1952-04-08T02:44:04.820Z | 33.9501667 | -115.6678333 | 6 | 3.38 | ci3324716 |
| 1952-03-28T01:16:21.580Z | 33.107 | -115.9898333 | 6 | 4.03 | ci3324714 |
| 1952-02-20T00:42:01.450Z | 34.0691667 | -117.2268333 | 15.79 | 3.3 | ci3322083 |
| 1952-02-19T20:11:09.120Z | 33.0935 | -116.1011667 | 6 | 3.18 | ci3322081 |
| 1952-02-17T12:36:58.060Z | 34.0141667 | -117.222 | 13.83 | 4.39 | ci3322079 |
| 1952-02-08T17:40:25.700Z | 33.1265 | -116.3515 | 6 | 3.98 | ci3322040 |
| 1952-01-28T00:10:57.030Z | 33.9306667 | -116.2658333 | 6 | 3.55 | ci3322026 |
| 1952-01-27T16:08:50.000Z | 33.6001667 | -117.1661667 | 6 | 3.02 | ci3322025 |
| 1952-01-21T05:22:06.330Z | 34.4726667 | -116.2625 | 6 | 3.14 | ci3322017 |
| 1952-01-08T23:53:43.230Z | 33.6976667 | -115.9358333 | 6 | 3.14 | ci3322200 |
| 1952-01-08T06:34:27.510Z | 33.9878333 | -116.3608333 | 6 | 4.36 | ci3322199 |
| 1951-11-23T11:40:06.930Z | 34.038 | -117.2365 | 6 | 3.02 | ci3322227 |
| 1951-11-17T13:07:27.730Z | 33.2335 | -115.8955 | 6 | 3.16 | ci3322219 |
| 1951-11-10T03:39:07.590Z | 34.4285 | -116.322 | 1 | 3.19 | ci3322212 |
| 1951-10-22T01:14:27.490Z | 34.1451667 | -117.3366667 | 5.22 | 3.09 | ci3322272 |
| 1951-10-16T12:42:05.800Z | 34.1458333 | -116.9776667 | 9.27 | 3.73 | ci3322270 |
| 1951-09-30T15:49:40.520Z | 33.2723333 | -116.2861667 | 6 | 3.64 | ci3322262 |
| 1951-09-23T07:09:14.600Z | 33.9536667 | -115.8175 | 6 | 3.24 | ci3322258 |
| 1951-09-22T08:22:38.900Z | 34.137 | -117.3313333 | 11.05 | 4.14 | ci3322256 |
| 1951-09-02T06:10:10.530Z | 33.7706667 | -116.5153333 | 6 | 3 | ci3322376 |
| 1951-08-31T09:10:11.790Z | 33.2211667 | -116.4585 | 6 | 3.16 | ci3322374 |
| 1951-08-27T01:33:36.950Z | 34.2395 | -116.5241667 | 0.09 | 3.26 | ci3322368 |
| 1951-08-23T14:08:10.700Z | 33.9528333 | -116.7441667 | 20.69 | 3.16 | ci3322363 |
| 1951-08-23T02:14:32.540Z | 33.908 | -115.849 | 6 | 3.1 | ci3322392 |
| 1951-08-15T12:27:10.430Z | 33.1528333 | -116.0841667 | 6 | 3.63 | ci3322299 |
| 1951-08-09T17:36:48.520Z | 34.0336667 | -116.4391667 | 6 | 3.05 | ci3322293 |
| 1951-08-05T08:33:50.850Z | 33.1666667 | -116.0631667 | 6 | 3.07 | ci3322289 |
| 1951-08-04T03:04:44.850Z | 33.1308333 | -116.084 | 6 | 3.17 | ci3322480 |
| 1951-07-17T14:50:32.570Z | 33.9786667 | -116.4625 | 6 | 3.19 | ci3322464 |
| 1951-07-12T16:05:44.960Z | 33.7163333 | -116.184 | 6 | 3.06 | ci3322454 |
| 1951-06-29T21:29:37.500Z | 33.3015 | -115.721 | 6 | 3.37 | ci3322418 |
| 1951-06-29T21:13:31.160Z | 33.304 | -115.7118333 | 6 | 3.21 | ci3322415 |
| 1951-06-25T16:14:50.470Z | 33.9446667 | -116.344 | 6 | 3.11 | ci3322407 |

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|---|---|---|---|---|---|
| 1951-04-21T05:03:16.100Z | 33.4805 | -116.4348333 | 6 | 3.76 | ci3322488 |
| 1951-04-04T02:19:47.190Z | 33.887 | -116.1045 | 6 | 3.15 | ci3322594 |
| 1951-03-30T03:03:02.240Z | 33.3003333 | -116.2353333 | 6 | 3.54 | ci3322587 |
| 1951-03-29T23:39:30.160Z | 33.2758333 | -116.1245 | 6 | 4.3 | ci3322585 |
| 1951-03-10T15:52:24.410Z | 34.0278333 | -116.8566667 | 20 | 3.72 | ci3322566 |
| 1951-02-25T03:23:29.460Z | 33.9228333 | -115.8241667 | 6 | 3.28 | ci3322559 |
| 1951-02-22T00:10:46.660Z | 33.4503333 | -116.4546667 | 3.84 | 3.11 | ci3322558 |
| 1951-02-15T12:20:49.760Z | 33.4751667 | -116.5033333 | 14.23 | 3.1 | ci3322678 |
| 1951-02-15T10:49:57.230Z | 33.4516667 | -116.4886667 | 6 | 4.58 | ci3322677 |
| 1951-02-15T10:48:00.220Z | 33.4816667 | -116.6011667 | 3.38 | 4.71 | ci3322675 |
| 1951-01-24T20:05:52.660Z | 32.9895 | -116.3605 | 6 | 3.32 | ci3322629 |
| 1950-12-30T03:48:09.120Z | 33.9411667 | -116.4723333 | 6 | 3.54 | ci3342444 |
| 1950-12-28T05:22:12.880Z | 33.5816667 | -116.0081667 | 6 | 3.81 | ci3342440 |
| 1950-12-22T02:05:35.420Z | 33.4083333 | -116.6066667 | 9.38 | 3.85 | ci3342419 |
| 1950-12-10T08:31:09.790Z | 33.339 | -116.4056667 | 6 | 3.28 | ci3342388 |
| 1950-11-25T16:47:27.090Z | 33.0908333 | -116.0888333 | 6 | 3.06 | ci3342300 |
| 1950-11-19T12:17:15.010Z | 34.191 | -116.5125 | 6 | 3.04 | ci3342287 |
| 1950-11-17T11:57:23.940Z | 33.932 | -115.8675 | 6 | 3.15 | ci3342281 |
| 1950-11-12T23:32:27.680Z | 34.014 | -115.962 | 6 | 3.42 | ci3342272 |
| 1950-11-10T00:35:42.880Z | 34.038 | -116.5791667 | 6 | 3.33 | ci3342265 |
| 1950-10-31T00:31:01.600Z | 34.1633333 | -116.6221667 | 6 | 3.18 | ci3323193 |
| 1950-10-14T17:59:29.620Z | 33.7046667 | -116.6728333 | 6.28 | 3.02 | ci3323156 |
| 1950-10-06T01:40:07.930Z | 33.943 | -115.7978333 | 6 | 3 | ci3323137 |
| 1950-10-06T01:39:00.410Z | 33.871 | -115.7271667 | 6 | 3.37 | ci3323133 |
| 1950-09-30T00:27:34.010Z | 33.1768333 | -116.1035 | 6 | 3.23 | ci3323120 |
| 1950-09-21T22:45:11.830Z | 34.037 | -117.2456667 | 15.3 | 3.32 | ci3323108 |
| 1950-09-18T04:41:38.430Z | 34.1011667 | -117.323 | 17.55 | 3 | ci3323099 |
| 1950-09-16T21:46:35.540Z | 33.3685 | -116.462 | 1.11 | 3.39 | ci3323095 |
| 1950-09-05T19:19:56.770Z | 33.726 | -116.6973333 | 6.38 | 4.76 | ci3344132 |
| 1950-08-29T00:29:00.460Z | 34.3136667 | -116.8495 | 6.24 | 3.26 | ci3344121 |
| 1950-08-28T19:45:26.290Z | 34.3201667 | -116.8146667 | 6 | 4.02 | ci3344118 |
| 1950-08-23T16:35:28.120Z | 33.6796667 | -116.7463333 | 6.47 | 3.03 | ci3344090 |
| 1950-08-23T04:34:52.170Z | 32.957 | -116.1463333 | 6 | 3.24 | ci3344088 |
| 1950-08-12T02:17:16.740Z | 34.3158333 | -116.805 | 6 | 4.08 | ci3343020 |
| 1950-08-04T01:46:57.140Z | 32.9113333 | -116.1806667 | 6 | 3.42 | ci3342915 |
| 1950-08-01T08:37:21.300Z | 33.2146667 | -115.7236667 | 6 | 4.7 | ci3342844 |
| 1950-07-29T15:08:56.650Z | 33.1935 | -115.6238333 | 6 | 4.3 | ci3344253 |
| 1950-07-28T22:56:55.310Z | 33.193 | -115.614 | 6 | 3.76 | ci3344247 |
| 1950-07-28T18:39:42.840Z | 33.0155 | -115.9576667 | 6 | 3.78 | ci3344242 |
| 1950-07-25T16:55:40.560Z | 33.3963333 | -116.4135 | 6 | 3.26 | ci3344203 |
| 1950-07-07T11:35:37.530Z | 33.8748333 | -116.3703333 | 6 | 3.06 | ci3344195 |
| 1950-06-02T21:28:04.780Z | 33.4308333 | -115.672 | 6 | 3.14 | ci3366713 |
| 1950-05-29T03:03:04.890Z | 34.0183333 | -117.2575 | 18.69 | 3.07 | ci3366710 |

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|---|---|---|---|---|---|
| 1950-05-19T04:38:39.470Z | 33.8618333 | -115.6635 | 6 | 3.71 | ci3366699 |
| 1950-05-14T23:19:32.100Z | 33.5665 | -115.506 | 6 | 3.11 | ci3366696 |
| 1950-05-03T16:32:42.640Z | 33.93 | -116.5588333 | 6 | 3.34 | ci3344260 |
| 1950-04-09T07:18:36.530Z | 33.6683333 | -116.5203333 | 6 | 3.24 | ci3366674 |
| 1950-04-06T17:44:41.400Z | 33.0131667 | -116.2963333 | 6 | 3.04 | ci3366668 |
| 1950-04-05T19:59:34.940Z | 33.1683333 | -116.0823333 | 6 | 3.37 | ci3366665 |
| 1950-03-20T18:42:01.420Z | 33.9363333 | -115.7183333 | 6 | 3.05 | ci3366646 |
| 1950-03-03T17:02:34.890Z | 34.3851667 | -116.5571667 | 6 | 3.07 | ci3366635 |
| 1950-03-03T13:05:27.130Z | 34.4431667 | -116.523 | 6 | 3.38 | ci3366634 |
| 1950-02-23T00:28:05.510Z | 34.0205 | -116.4031667 | 6 | 3.17 | ci3363980 |
| 1950-02-23T00:00:05.770Z | 33.713 | -116.3525 | 6 | 3.15 | ci10086174 |
| 1950-02-16T04:37:44.470Z | 33.877 | -115.9106667 | 6 | 3.04 | ci10086170 |
| 1950-02-16T01:43:14.450Z | 33.9705 | -115.7903333 | 6 | 3.05 | ci3363689 |
| 1950-02-10T03:32:52.920Z | 34.1231667 | -116.5035 | 6 | 3.48 | ci3363645 |
| 1950-02-07T21:36:32.000Z | 34.1445 | -117.0328333 | 19.07 | 3.09 | ci3363640 |
| 1950-01-27T20:36:58.900Z | 33.2705 | -116.351 | 6 | 3.3 | ci3362314 |
| 1950-01-20T16:17:04.180Z | 33.1556667 | -116.004 | 6 | 3 | ci3362203 |
| 1950-01-13T05:07:19.500Z | 33.9776667 | -116.4125 | 6 | 3.97 | ci3362063 |
| 1950-01-09T21:40:35.740Z | 33.7523333 | -116.0186667 | 6 | 3.08 | ci3361971 |
| 1950-01-09T13:24:56.940Z | 34.0661667 | -116.959 | 0.04 | 3.78 | ci3361958 |
| 1950-01-03T11:26:30.040Z | 33.9406667 | -115.8881667 | 6 | 3.37 | ci3361691 |
| 1949-12-22T09:59:41.970Z | 33.916 | -115.965 | 6 | 3.26 | ci3355515 |
| 1949-12-21T07:33:58.930Z | 33.919 | -115.742 | 6 | 3.15 | ci3355497 |
| 1949-12-15T09:48:53.310Z | 34.3696667 | -116.8628333 | 5.62 | 3.09 | ci3355492 |
| 1949-12-12T03:36:54.450Z | 33.9315 | -115.744 | 6 | 3.12 | ci3354846 |
| 1949-12-10T14:50:17.240Z | 33.9376667 | -116.4938333 | 6 | 3.08 | ci3354838 |
| 1949-11-13T16:58:08.400Z | 33.9578333 | -115.8058333 | 6 | 3.24 | ci3354779 |
| 1949-11-01T10:58:37.860Z | 33.9301667 | -115.7686667 | 6 | 3.4 | ci3355598 |
| 1949-11-01T10:58:31.300Z | 33.9168333 | -115.7631667 | 6 | 3.1 | ci3355599 |
| 1949-10-28T13:22:35.620Z | 33.9546667 | -115.8136667 | 6 | 3.05 | ci10085958 |
| 1949-10-26T20:43:49.990Z | 33.5103333 | -116.5703333 | 5.27 | 3 | ci3355562 |
| 1949-10-17T13:20:57.890Z | 33.9456667 | -116.5775 | 6 | 3.42 | ci3355588 |
| 1949-10-14T01:02:37.630Z | 33.153 | -116.3973333 | 6 | 3.22 | ci3355540 |
| 1949-10-14T00:46:38.190Z | 33.1641667 | -116.4171667 | 6 | 3.06 | ci3355539 |
| 1949-10-14T00:29:27.490Z | 33.191 | -116.4655 | 6 | 4.03 | ci3355538 |
| 1949-10-13T04:20:40.300Z | 33.9116667 | -115.7306667 | 6 | 3.85 | ci3355537 |
| 1949-10-06T04:12:22.350Z | 33.9108333 | -115.8266667 | 6 | 3.28 | ci3355534 |
| 1949-09-23T21:44:39.690Z | 33.9678333 | -116.6231667 | 6 | 3.84 | ci3355527 |
| 1949-09-13T20:04:47.040Z | 33.6598333 | -116.0895 | 6 | 3.11 | ci3355688 |
| 1949-08-25T11:27:40.480Z | 33.9281667 | -115.7895 | 6 | 3.12 | ci3355656 |
| 1949-08-22T01:51:59.270Z | 33.846 | -115.9298333 | 6 | 3.01 | ci3355653 |
| 1949-08-19T10:57:50.390Z | 33.962 | -116.8681667 | 11.78 | 3.66 | ci3355630 |
| 1949-08-17T05:14:20.100Z | 34.0136667 | -117.1865 | 15.48 | 3.43 | ci3355628 |

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|---|---|---|---|---|---|
| 1949-08-16T05:33:29.310Z | 33.9706667 | -115.7235 | 6 | 3.05 | ci3355623 |
| 1949-08-12T15:12:14.910Z | 33.8616667 | -115.8061667 | 6 | 3.19 | ci3355621 |
| 1949-08-11T00:09:32.580Z | 33.8258333 | -115.8645 | 6 | 3.32 | ci3355620 |
| 1949-08-10T09:37:07.390Z | 33.7685 | -115.5926667 | 6 | 3.4 | ci3355619 |
| 1949-07-31T02:05:00.900Z | 33.9671667 | -116.3645 | 6 | 3.06 | ci3355609 |
| 1949-07-29T13:19:39.240Z | 34.0216667 | -115.8623333 | 6 | 3.38 | ci3355603 |
| 1949-07-26T14:18:07.940Z | 34.0493333 | -116.6956667 | 6 | 3.13 | ci10085914 |
| 1949-07-26T10:24:04.320Z | 33.7188333 | -115.6638333 | 6 | 3.21 | ci3355935 |
| 1949-07-26T08:24:28.550Z | 33.9263333 | -115.8575 | 6 | 3.25 | ci3355933 |
| 1949-07-25T20:02:00.220Z | 33.9898333 | -116.4226667 | 6 | 3.16 | ci3355932 |
| 1949-07-20T16:40:32.190Z | 33.915 | -115.853 | 6 | 3.27 | ci3355928 |
| 1949-07-20T16:35:02.230Z | 33.8863333 | -115.8228333 | 6 | 3.32 | ci3355893 |
| 1949-07-12T21:56:26.190Z | 33.247 | -116.1458333 | 6 | 3.23 | ci3355832 |
| 1949-07-11T21:06:55.580Z | 33.8906667 | -115.8585 | 6 | 3.24 | ci3355827 |
| 1949-07-11T09:52:27.630Z | 33.959 | -115.74 | 6 | 3.29 | ci3355826 |
| 1949-07-03T09:50:22.250Z | 34.1 | -117.3208333 | 16.92 | 3.1 | ci3355819 |
| 1949-06-30T10:30:23.260Z | 33.9948333 | -115.7996667 | 6 | 3.12 | ci3355814 |
| 1949-06-30T07:50:13.230Z | 33.9495 | -115.8028333 | 6 | 3.08 | ci3355812 |
| 1949-06-29T03:44:37.040Z | 33.9396667 | -115.7225 | 6 | 3.08 | ci3355810 |
| 1949-06-25T20:00:43.540Z | 33.9803333 | -115.765 | 6 | 3.16 | ci3355805 |
| 1949-06-23T14:13:27.720Z | 33.9423333 | -115.7788333 | 6 | 3.22 | ci3355800 |
| 1949-06-15T19:03:55.640Z | 33.9743333 | -115.6801667 | 6 | 3.05 | ci3355743 |
| 1949-06-15T07:10:32.270Z | 33.9335 | -115.7801667 | 6 | 3.54 | ci3355742 |
| 1949-06-13T19:54:17.020Z | 33.6588333 | -115.544 | 6 | 3.26 | ci3355736 |
| 1949-06-11T10:24:30.900Z | 33.8771667 | -115.777 | 6 | 3.16 | ci3355735 |
| 1949-06-06T12:22:43.910Z | 33.9518333 | -116.4736667 | 6 | 3.45 | ci3356070 |
| 1949-06-04T17:02:59.950Z | 33.946 | -115.9113333 | 6 | 3.03 | ci3356069 |
| 1949-06-02T16:08:38.750Z | 33.9545 | -115.8241667 | 6 | 3.43 | ci3356067 |
| 1949-05-31T13:54:10.960Z | 33.8675 | -115.6265 | 6 | 3.18 | ci3356064 |
| 1949-05-28T11:10:21.880Z | 33.9168333 | -115.8365 | 6 | 3.11 | ci3356061 |
| 1949-05-27T23:47:00.530Z | 33.1448333 | -115.9316667 | 20.71 | 3.48 | ci3356060 |
| 1949-05-26T15:46:19.000Z | 34 | -115.7 | 6 | 3.4 | ci10085894 |
| 1949-05-26T15:43:38.120Z | 34.019 | -115.6251667 | 6 | 3.38 | ci3356056 |
| 1949-05-25T17:31:49.590Z | 33.9341667 | -115.8183333 | 6 | 3.83 | ci3356054 |
| 1949-05-25T14:49:05.400Z | 33.8665 | -115.7821667 | 6 | 3.14 | ci3356053 |
| 1949-05-25T14:27:48.500Z | 33.9863333 | -115.7816667 | 6 | 3.24 | ci3356052 |
| 1949-05-25T04:21:20.120Z | 33.8703333 | -115.7528333 | 6 | 3.2 | ci10085890 |
| 1949-05-25T01:57:52.840Z | 33.894 | -115.7881667 | 6 | 3.28 | ci3356050 |
| 1949-05-24T19:25:50.730Z | 33.8546667 | -115.8505 | 6 | 3.65 | ci3356049 |
| 1949-05-24T15:51:27.750Z | 33.8693333 | -115.7356667 | 6 | 3.2 | ci3356072 |
| 1949-05-24T06:02:08.470Z | 33.8816667 | -115.78 | 6 | 3.26 | ci3356048 |
| 1949-05-24T05:51:48.180Z | 33.8481667 | -115.867 | 6 | 3.51 | ci3356046 |
| 1949-05-23T08:14:06.750Z | 33.8476667 | -115.7488333 | 6 | 3.2 | ci3356045 |

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|---|---|---|---|---|---|
| 1949-05-23T01:47:33.850Z | 33.9671667 | -115.8561667 | 6 | 3.56 | ci3356044 |
| 1949-05-23T00:45:35.130Z | 33.8955 | -115.8105 | 6 | 3.5 | ci3356043 |
| 1949-05-22T23:20:24.350Z | 33.9811667 | -115.6591667 | 6 | 3.93 | ci10085886 |
| 1949-05-20T13:24:19.950Z | 33.9411667 | -115.8145 | 6 | 3.31 | ci3356037 |
| 1949-05-20T11:07:42.030Z | 33.9735 | -115.7431667 | 6 | 3.35 | ci3356033 |
| 1949-05-19T14:35:22.650Z | 33.9181667 | -115.8023333 | 6 | 3.3 | ci3356031 |
| 1949-05-19T11:40:08.330Z | 33.9168333 | -115.9188333 | 6 | 3.21 | ci3356030 |
| 1949-05-18T07:45:50.490Z | 33.9141667 | -115.8365 | 6 | 3.18 | ci3356027 |
| 1949-05-18T02:13:20.180Z | 33.9391667 | -115.8223333 | 6 | 3.18 | ci3356025 |
| 1949-05-17T11:42:36.230Z | 33.9225 | -115.8421667 | 6 | 3.21 | ci3356022 |
| 1949-05-17T09:38:43.390Z | 33.8701667 | -115.7498333 | 6 | 3.3 | ci3356021 |
| 1949-05-16T10:03:17.890Z | 34.1986667 | -115.6778333 | 6 | 3.23 | ci3356019 |
| 1949-05-16T04:05:41.690Z | 33.6778333 | -115.5588333 | 6 | 3.26 | ci3356017 |
| 1949-05-15T12:16:26.230Z | 33.1305 | -116.2171667 | 6 | 3.25 | ci3356015 |
| 1949-05-15T08:02:46.540Z | 33.0205 | -116.1225 | 6 | 3.33 | ci3356014 |
| 1949-05-15T06:48:10.160Z | 33.7713333 | -115.9411667 | 6 | 3.26 | ci3356013 |
| 1949-05-13T12:01:41.010Z | 33.9226667 | -115.8458333 | 6 | 3.3 | ci3356010 |
| 1949-05-13T10:06:51.580Z | 33.9253333 | -115.7916667 | 6 | 3.11 | ci3356007 |
| 1949-05-13T07:11:01.910Z | 33.8998333 | -115.8895 | 6 | 3.34 | ci3356005 |
| 1949-05-12T14:30:20.290Z | 34.0033333 | -115.751 | 6 | 3.29 | ci3356003 |
| 1949-05-10T04:15:43.190Z | 33.859 | -115.8476667 | 6 | 3.34 | ci3355998 |
| 1949-05-10T04:06:34.060Z | 33.866 | -115.352 | 6 | 4.3 | ci3355997 |
| 1949-05-08T20:25:51.480Z | 33.8885 | -115.8508333 | 6 | 3.18 | ci3355996 |
| 1949-05-08T09:11:50.040Z | 34.003 | -115.7486667 | 6 | 3.15 | ci3355993 |
| 1949-05-07T19:48:26.760Z | 33.9088333 | -115.7928333 | 6 | 3.3 | ci3355991 |
| 1949-05-07T08:50:44.360Z | 33.9055 | -115.8795 | 6 | 3.14 | ci3355989 |
| 1949-05-07T07:55:34.580Z | 33.7038333 | -115.8438333 | 6 | 3.43 | ci3355988 |
| 1949-05-07T05:44:21.490Z | 34.2758333 | -115.5701667 | 6 | 3.45 | ci3355987 |
| 1949-05-06T10:58:07.670Z | 33.9765 | -115.884 | 6 | 3.27 | ci3355985 |
| 1949-05-06T04:50:13.930Z | 33.8766667 | -115.861 | 6 | 3.32 | ci3355983 |
| 1949-05-06T03:29:34.260Z | 33.9863333 | -115.718 | 6 | 3.17 | ci3355981 |
| 1949-05-06T03:26:09.540Z | 33.889 | -115.8611667 | 6 | 3.66 | ci3355980 |
| 1949-05-06T02:48:37.650Z | 34.0105 | -115.9983333 | 6 | 3.01 | ci3355979 |
| 1949-05-06T02:22:55.700Z | 33.8263333 | -115.9386667 | 6 | 3.12 | ci3355978 |
| 1949-05-05T10:30:31.950Z | 33.5238333 | -116.0275 | 6 | 3.46 | ci3355976 |
| 1949-05-05T09:29:43.110Z | 33.9446667 | -115.905 | 6 | 3.31 | ci3355974 |
| 1949-05-05T02:16:07.360Z | 33.966 | -115.8115 | 6 | 3.52 | ci3355970 |
| 1949-05-05T02:15:07.220Z | 34.016 | -115.7083333 | 6 | 3.38 | ci3355969 |
| 1949-05-05T02:14:26.680Z | 33.4153333 | -115.9673333 | 6 | 3.13 | ci3355968 |
| 1949-05-04T19:45:33.940Z | 33.7256667 | -115.5875 | 6 | 3.73 | ci3355967 |
| 1949-05-04T19:43:32.560Z | 33.9726667 | -115.7016667 | 6 | 3.44 | ci3355966 |
| 1949-05-04T14:42:41.540Z | 33.877 | -115.6028333 | 6 | 3.44 | ci3355965 |
| 1949-05-04T08:14:32.760Z | 33.4621667 | -115.9768333 | 6 | 3.26 | ci3355964 |

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|---|---|---|---|---|---|
| 1949-05-04T07:04:40.740Z | 33.9276667 | -115.781 | 6 | 3.23 | ci3355963 |
| 1949-05-03T23:41:00.250Z | 33.8715 | -115.7813333 | 6 | 3.21 | ci3355962 |
| 1949-05-03T21:55:31.540Z | 33.9156667 | -115.8093333 | 6 | 3.35 | ci3355961 |
| 1949-05-03T21:26:57.740Z | 33.8863333 | -115.8311667 | 6 | 3.38 | ci3355960 |
| 1949-05-03T21:11:19.670Z | 33.9436667 | -115.7448333 | 6 | 3.32 | ci3355958 |
| 1949-05-03T18:10:52.550Z | 33.4986667 | -115.887 | 6 | 3.31 | ci3355956 |
| 1949-05-03T13:47:14.210Z | 33.477 | -115.916 | 6 | 3.27 | ci3355954 |
| 1949-05-03T11:26:56.390Z | 33.8975 | -115.8245 | 6 | 3.26 | ci3355953 |
| 1949-05-03T10:25:26.020Z | 33.9 | -115.6666667 | 6 | 3.15 | ci3355952 |
| 1949-05-03T10:24:38.950Z | 33.4633333 | -115.9256667 | 6 | 3.09 | ci3355951 |
| 1949-05-03T10:13:57.870Z | 33.866 | -115.6798333 | 6 | 3.48 | ci3355950 |
| 1949-05-03T09:52:38.530Z | 33.4161667 | -115.9408333 | 6 | 3.2 | ci3355949 |
| 1949-05-03T07:00:48.610Z | 33.5025 | -115.925 | 6 | 3.14 | ci3355948 |
| 1949-05-03T06:42:37.160Z | 33.9136667 | -115.7286667 | 6 | 3.16 | ci3355947 |
| 1949-05-03T01:47:38.740Z | 33.9361667 | -115.8121667 | 6 | 3.19 | ci3355944 |
| 1949-05-02T23:03:14.410Z | 33.4331667 | -115.9048333 | 6 | 3.12 | ci10085878 |
| 1949-05-02T19:08:49.110Z | 33.5975 | -115.9336667 | 6 | 3.24 | ci3355943 |
| 1949-05-02T19:02:53.220Z | 33.899 | -115.9043333 | 6 | 3.28 | ci3355942 |
| 1949-05-02T18:41:11.330Z | 33.9383333 | -116.0963333 | 6 | 3.9 | ci3355941 |
| 1949-05-02T18:10:40.380Z | 33.92 | -115.8313333 | 6 | 3.45 | ci3355940 |
| 1949-05-02T18:05:36.050Z | 33.929 | -115.8606667 | 6 | 3.32 | ci3355939 |
| 1949-05-02T18:04:07.920Z | 33.9588333 | -115.6916667 | 6 | 3.31 | ci10085874 |
| 1949-05-02T17:52:25.960Z | 33.8905 | -115.9001667 | 6 | 3.28 | ci3356163 |
| 1949-05-02T17:49:59.710Z | 33.946 | -115.9253333 | 6 | 3.44 | ci3356162 |
| 1949-05-02T16:26:53.810Z | 33.6166667 | -115.8225 | 6 | 3.12 | ci3356161 |
| 1949-05-02T16:21:31.290Z | 33.9083333 | -115.8455 | 6 | 3.4 | ci3356160 |
| 1949-05-02T16:04:44.000Z | 33.9086667 | -115.7998333 | 6 | 3.17 | ci3356158 |
| 1949-05-02T14:35:22.780Z | 33.983 | -115.7598333 | 6 | 3.67 | ci3356157 |
| 1949-05-02T13:27:07.340Z | 33.9673333 | -115.8031667 | 6 | 3.58 | ci10085870 |
| 1949-05-02T13:26:38.690Z | 33.855 | -115.6425 | 6 | 3.39 | ci3356155 |
| 1949-05-02T13:01:05.060Z | 33.9146667 | -115.6945 | 6 | 3.49 | ci3356154 |
| 1949-05-02T11:25:46.900Z | 34 | -115.6958333 | 6 | 5.69 | ci3356151 |
| 1949-05-02T11:24:59.640Z | 33.9608333 | -115.7416667 | 6 | 4.45 | ci3356149 |
| 1949-04-17T18:09:17.850Z | 33.9191667 | -116.3758333 | 6 | 3.03 | ci3356135 |
| 1949-04-13T13:06:32.390Z | 32.9315 | -116.4158333 | 6 | 3.54 | ci3356132 |
| 1949-04-13T07:53:37.870Z | 33.3748333 | -116.4845 | 0.02 | 3.91 | ci3356128 |
| 1949-04-03T23:34:28.090Z | 33.9568333 | -116.4601667 | 6 | 3.34 | ci3356123 |
| 1949-04-01T19:20:03.140Z | 33.9758333 | -116.4631667 | 6 | 3.04 | ci3356122 |
| 1949-03-23T23:33:22.510Z | 34.1303333 | -116.5981667 | 6 | 3 | ci3356111 |
| 1949-03-18T08:37:44.770Z | 33.6801667 | -115.9456667 | 6 | 3.07 | ci3356100 |
| 1949-03-17T16:06:29.660Z | 33.3855 | -116.5008333 | 2.21 | 3.72 | ci3356166 |
| 1949-03-16T18:00:28.340Z | 33.0153333 | -116.2971667 | 6 | 3.92 | ci3356092 |
| 1949-03-15T15:08:51.570Z | 33.9915 | -116.4775 | 6 | 3.34 | ci3356089 |

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|---|---|---|---|---|---|
| 1949-03-08T18:22:25.960Z | 33.9128333 | -116.3401667 | 6 | 3.08 | ci3356078 |
| 1949-03-05T09:36:38.570Z | 33.8818333 | -116.4688333 | 6 | 3.09 | ci3356259 |
| 1949-03-03T20:26:20.270Z | 33.8811667 | -115.9068333 | 6 | 3.02 | ci3356257 |
| 1949-02-10T23:16:07.030Z | 33.0696667 | -116.4755 | 6 | 3.05 | ci3356222 |
| 1949-02-07T16:11:41.190Z | 33.2575 | -116.1483333 | 6 | 3.4 | ci3356217 |
| 1949-01-30T14:39:38.700Z | 33.2506667 | -116.144 | 6 | 3.49 | ci3356209 |
| 1949-01-22T21:15:16.970Z | 33.4266667 | -116.9661667 | 6 | 3 | ci3356199 |
| 1949-01-06T05:54:14.060Z | 33.9418333 | -116.372 | 6 | 3.32 | ci3356184 |
| 1949-01-01T15:11:28.860Z | 33.9541667 | -116.48 | 6 | 3.38 | ci3356176 |
| 1949-01-01T09:05:32.360Z | 33.9763333 | -116.438 | 6 | 3.1 | ci3356174 |
| 1948-12-28T12:53:40.050Z | 33.4881667 | -116.5425 | 6 | 3.97 | ci3356441 |
| 1948-12-27T23:36:03.280Z | 33.9411667 | -116.4771667 | 6 | 3.36 | ci3356438 |
| 1948-12-27T11:19:06.830Z | 34.0595 | -116.1935 | 6 | 3.85 | ci3356437 |
| 1948-12-26T09:25:22.110Z | 33.9845 | -116.4686667 | 6 | 3.07 | ci3356435 |
| 1948-12-16T22:57:22.070Z | 33.9448333 | -116.4295 | 6 | 3.11 | ci3356413 |
| 1948-12-15T16:41:49.470Z | 33.9083333 | -116.4198333 | 6 | 3.59 | ci3356410 |
| 1948-12-13T15:01:14.730Z | 33.9718333 | -116.4838333 | 6 | 3.12 | ci3356394 |
| 1948-12-13T10:14:04.790Z | 33.9683333 | -116.4328333 | 6 | 3.09 | ci3356390 |
| 1948-12-11T18:15:28.660Z | 33.9796667 | -116.4463333 | 6 | 3.29 | ci3356381 |
| 1948-12-11T16:12:19.210Z | 33.9803333 | -116.4261667 | 6 | 4.29 | ci3356375 |
| 1948-12-11T10:47:59.080Z | 33.1983333 | -116.3011667 | 6 | 3.44 | ci3356373 |
| 1948-12-11T07:22:05.120Z | 33.96 | -116.4786667 | 6 | 3.05 | ci3356365 |
| 1948-12-11T07:13:34.090Z | 33.939 | -116.454 | 6 | 3.09 | ci3356364 |
| 1948-12-11T05:18:53.870Z | 33.9763333 | -116.325 | 6 | 3.06 | ci3356362 |
| 1948-12-11T01:54:55.570Z | 34.263 | -117.0925 | 0.01 | 3.02 | ci3356361 |
| 1948-12-10T20:42:57.340Z | 33.9315 | -116.4516667 | 6 | 4.33 | ci3356357 |
| 1948-12-10T10:58:55.910Z | 33.9065 | -116.4671667 | 6 | 3.35 | ci3356446 |
| 1948-12-10T09:18:02.530Z | 33.9568333 | -116.4471667 | 6 | 3.01 | ci3356351 |
| 1948-12-09T16:56:40.020Z | 33.8538333 | -116.4695 | 6 | 3.01 | ci3356347 |
| 1948-12-09T05:07:42.990Z | 33.1723333 | -116.3378333 | 6 | 3.17 | ci3356346 |
| 1948-12-09T02:47:12.560Z | 33.9315 | -116.3618333 | 6 | 3.03 | ci3356343 |
| 1948-12-09T01:27:00.120Z | 33.9563333 | -116.4225 | 6 | 3.33 | ci3356341 |
| 1948-12-08T19:33:53.540Z | 34.0035 | -116.4336667 | 6 | 3.04 | ci3356340 |
| 1948-12-08T08:37:54.230Z | 33.9173333 | -116.3708333 | 6 | 3.05 | ci3356334 |
| 1948-12-07T20:05:44.610Z | 33.9383333 | -116.3606667 | 6 | 3.09 | ci3356318 |
| 1948-12-07T04:49:20.070Z | 33.9663333 | -116.4053333 | 6 | 3.32 | ci3356921 |
| 1948-12-06T02:51:23.820Z | 34.1046667 | -116.3553333 | 6 | 3.14 | ci3356911 |
| 1948-12-06T02:46:07.560Z | 33.9878333 | -116.468 | 6 | 4.13 | ci3356909 |
| 1948-12-05T22:25:55.480Z | 33.9945 | -116.4233333 | 6 | 3.09 | ci3356831 |
| 1948-12-05T13:28:53.290Z | 33.8726667 | -116.4991667 | 6 | 3.37 | ci3356654 |
| 1948-12-05T13:21:03.970Z | 33.9521667 | -116.3963333 | 6 | 3.03 | ci3356947 |
| 1948-12-05T13:20:44.760Z | 33.9651667 | -116.3746667 | 6 | 3.04 | ci3356946 |
| 1948-12-05T13:17:46.420Z | 33.9711667 | -116.4498333 | 6 | 3.18 | ci3356652 |

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|---|---|---|---|---|---|
| 1948-12-05T12:51:26.680Z | 33.944 | -116.4605 | 6 | 3.61 | ci3356651 |
| 1948-12-05T09:28:28.390Z | 33.9756667 | -116.4473333 | 6 | 3.8 | ci3356648 |
| 1948-12-05T07:47:48.480Z | 33.955 | -116.4466667 | 6 | 3.38 | ci3356639 |
| 1948-12-05T05:20:51.110Z | 33.8941667 | -116.3573333 | 6 | 3.4 | ci3356637 |
| 1948-12-05T04:35:47.780Z | 33.9308333 | -116.3711667 | 6 | 3.1 | ci3356636 |
| 1948-12-05T03:27:03.910Z | 33.9248333 | -116.5045 | 6 | 3 | ci3356635 |
| 1948-12-05T02:21:23.500Z | 33.983 | -116.3726667 | 6 | 3.1 | ci3356943 |
| 1948-12-05T01:33:42.160Z | 33.907 | -116.3673333 | 6 | 3.4 | ci3356633 |
| 1948-12-05T01:16:29.860Z | 33.9206667 | -116.3895 | 6 | 3.5 | ci3356631 |
| 1948-12-05T01:06:25.790Z | 33.9485 | -116.4235 | 6 | 3.6 | ci3356629 |
| 1948-12-05T00:50:57.770Z | 33.9505 | -116.5135 | 6 | 4.21 | ci3356628 |
| 1948-12-05T00:46:20.350Z | 33.967 | -116.4946667 | 6 | 3.51 | ci3356627 |
| 1948-12-05T00:42:34.860Z | 33.9698333 | -116.4058333 | 6 | 4.48 | ci3356626 |
| 1948-12-05T00:40:31.490Z | 33.7578333 | -116.3683333 | 6 | 3.97 | ci3356625 |
| 1948-12-05T00:27:00.000Z | 33.95 | -116.558 | 6 | 3.1 | ci10085830 |
| 1948-12-05T00:10:00.000Z | 33.95 | -116.558 | 6 | 3.1 | ci10085826 |
| 1948-12-05T00:07:20.600Z | 33.9216667 | -116.3653333 | 6 | 4.73 | ci3356624 |
| 1948-12-05T00:03:00.000Z | 33.95 | -116.558 | 6 | 3.4 | ci10085822 |
| 1948-12-04T23:58:40.150Z | 33.757 | -116.4715 | 6 | 3.63 | ci3356623 |
| 1948-12-04T23:46:00.000Z | 33.95 | -116.558 | 6 | 3.9 | ci10085818 |
| 1948-12-04T23:43:16.410Z | 33.9833333 | -116.3308333 | 6 | 6 | ci9860350 |
| 1948-11-22T09:48:00.960Z | 33.0496667 | -116.3666667 | 6 | 3.17 | ci3356467 |
| 1948-11-12T00:24:59.630Z | 34.3216667 | -116.4355 | 6 | 3.54 | ci3356456 |
| 1948-10-29T23:59:07.270Z | 34.2475 | -117.1653333 | 6 | 3.26 | ci3357132 |
| 1948-10-11T23:02:06.020Z | 34.2743333 | -116.4638333 | 6 | 3.64 | ci3357117 |
| 1948-10-06T20:17:41.780Z | 33.8218333 | -117.3681667 | 0.25 | 3.01 | ci3357112 |
| 1948-10-01T14:04:25.430Z | 33.6133333 | -115.6501667 | 6 | 3.17 | ci12290375 |
| 1948-09-18T23:54:15.040Z | 34.0733333 | -116.4255 | 6 | 3.77 | ci3357523 |
| 1948-09-11T22:03:12.980Z | 33.9951667 | -116.7196667 | 6 | 3.03 | ci3357517 |
| 1948-08-16T15:39:18.780Z | 33.9653333 | -116.3921667 | 6 | 3.04 | ci3357487 |
| 1948-07-30T17:24:54.310Z | 34.2713333 | -116.7648333 | 6 | 3.46 | ci3357460 |
| 1948-07-27T20:01:54.730Z | 33.548 | -116.8418333 | 6.3 | 3.19 | ci3357596 |
| 1948-07-04T18:51:10.340Z | 33.0875 | -115.8438333 | 6 | 3.31 | ci3357573 |
| 1948-07-04T18:44:23.110Z | 33.0501667 | -115.8763333 | 6 | 3.78 | ci3357570 |
| 1948-06-24T03:43:53.300Z | 33.0351667 | -116.2976667 | 6 | 3.1 | ci3357555 |
| 1948-06-20T21:29:49.950Z | 33.4138333 | -116.4505 | 0.89 | 3.34 | ci3357552 |
| 1948-05-27T23:23:21.150Z | 33.8053333 | -116.2958333 | 6 | 3.07 | ci3357661 |
| 1948-05-26T05:20:29.760Z | 33.2123333 | -116.2428333 | 6 | 3.44 | ci3357652 |
| 1948-05-05T17:19:55.130Z | 34.2311667 | -116.377 | 6 | 3.46 | ci3357643 |
| 1948-04-29T21:45:00.800Z | 33.9471667 | -116.7323333 | 6 | 3.3 | ci3357666 |
| 1948-04-18T02:12:58.530Z | 33.2365 | -116.2803333 | 6 | 3 | ci3357624 |
| 1948-03-30T16:25:36.720Z | 34.1045 | -116.7715 | 6 | 3.3 | ci3357604 |
| 1948-03-07T12:42:49.040Z | 33.1818333 | -116.6008333 | 6 | 3.15 | ci3357703 |

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|---|---|---|---|---|---|
| 1948-02-28T17:24:44.620Z | 34.0705 | -116.2091667 | 6 | 3.44 | ci3357809 |
| 1948-02-10T22:24:33.060Z | 33.6831667 | -116.1075 | 6 | 3.74 | ci3357796 |
| 1948-01-06T21:09:42.560Z | 33.712 | -116.1201667 | 6 | 3.24 | ci3357895 |
| 1948-01-05T17:55:06.860Z | 33.3208333 | -116.4276667 | 1.58 | 3.36 | ci3357930 |
| 1947-11-27T07:52:25.860Z | 33.9668333 | -116.4288333 | 6 | 3.36 | ci3357958 |
| 1947-11-14T17:12:35.030Z | 34.0263333 | -116.4751667 | 6 | 3.03 | ci3358063 |
| 1947-11-10T02:22:56.360Z | 34.4985 | -116.526 | 6 | 4.3 | ci3358054 |
| 1947-11-08T03:02:08.950Z | 34.0046667 | -117.1971667 | 6 | 3.05 | ci3358050 |
| 1947-11-06T09:39:05.640Z | 34.0746667 | -116.389 | 6 | 3.05 | ci3358080 |
| 1947-10-25T19:20:37.210Z | 34.4973333 | -117.0418333 | 6 | 3.15 | ci3358025 |
| 1947-10-21T02:15:48.680Z | 34.1891667 | -116.389 | 6 | 3.04 | ci10085798 |
| 1947-10-13T14:06:49.220Z | 33.922 | -116.6995 | 6 | 3.27 | ci3358009 |
| 1947-09-01T02:26:16.130Z | 34.2951667 | -116.6403333 | 6 | 3.2 | ci3358127 |
| 1947-08-29T19:09:50.100Z | 34.2628333 | -116.7138333 | 6 | 3.2 | ci3358121 |
| 1947-08-28T07:59:39.300Z | 33.7718333 | -116.809 | 7.4 | 3.08 | ci3358118 |
| 1947-08-12T21:05:17.740Z | 34.026 | -116.3173333 | 6 | 3.22 | ci3358105 |
| 1947-08-12T02:06:25.220Z | 33.936 | -116.5065 | 6 | 3.14 | ci3358103 |
| 1947-08-09T09:28:10.930Z | 33.9813333 | -116.4265 | 6 | 3.01 | ci3358206 |
| 1947-08-08T06:47:45.650Z | 34.0451667 | -116.4651667 | 6 | 3.68 | ci3358097 |
| 1947-08-08T04:51:07.070Z | 34.0301667 | -116.5501667 | 6 | 3.1 | ci3358096 |
| 1947-08-07T08:51:05.580Z | 34.0528333 | -116.5545 | 6 | 3.06 | ci3358324 |
| 1947-08-02T21:24:52.290Z | 34.0626667 | -116.4121667 | 6 | 3.19 | ci3358319 |
| 1947-08-02T03:22:41.700Z | 34.0206667 | -116.5261667 | 6 | 3.04 | ci3358318 |
| 1947-08-02T01:23:05.410Z | 34.0448333 | -116.4246667 | 6 | 3.06 | ci3358317 |
| 1947-08-01T17:01:37.450Z | 34.0496667 | -116.4388333 | 6 | 3.67 | ci3358315 |
| 1947-08-01T14:20:50.090Z | 34.0343333 | -116.4135 | 6 | 3.15 | ci3358313 |
| 1947-08-01T00:29:49.330Z | 34.0845 | -116.3836667 | 6 | 3.24 | ci3358311 |
| 1947-07-31T01:59:49.880Z | 34.0371667 | -116.4755 | 6 | 3.21 | ci3358309 |
| 1947-07-30T05:22:18.490Z | 34.0111667 | -116.4926667 | 6 | 3.99 | ci3358308 |
| 1947-07-30T03:58:13.490Z | 33.984 | -116.46 | 6 | 3.28 | ci3358306 |
| 1947-07-29T16:57:01.240Z | 34.0335 | -116.4701667 | 6 | 3.06 | ci3358305 |
| 1947-07-29T16:36:16.930Z | 33.9925 | -116.5258333 | 6 | 3.84 | ci3358325 |
| 1947-07-29T16:34:59.460Z | 34.0541667 | -116.4145 | 6 | 3.22 | ci3358303 |
| 1947-07-28T18:33:31.670Z | 34.05 | -116.4193333 | 6 | 3.26 | ci3358300 |
| 1947-07-27T11:53:58.860Z | 34.0528333 | -116.4781667 | 6 | 3.21 | ci3358286 |
| 1947-07-27T10:31:53.720Z | 34.0353333 | -116.438 | 6 | 3.43 | ci3358285 |
| 1947-07-27T00:14:50.850Z | 34.0621667 | -116.5066667 | 6 | 3.06 | ci3358283 |
| 1947-07-26T23:19:43.940Z | 34.0788333 | -116.5538333 | 6 | 3.32 | ci3358282 |
| 1947-07-26T23:13:51.750Z | 34.0525 | -116.4836667 | 6 | 3.88 | ci3358280 |
| 1947-07-26T23:10:57.870Z | 34.0433333 | -116.512 | 6 | 3.37 | ci3358279 |
| 1947-07-26T23:04:26.010Z | 34.0488333 | -116.5043333 | 6 | 4.25 | ci3358278 |
| 1947-07-26T05:01:09.340Z | 34.0173333 | -116.4205 | 6 | 3.35 | ci3358274 |
| 1947-07-26T04:48:19.190Z | 34.0116667 | -116.3825 | 6 | 3.6 | ci3358271 |

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|---|---|---|---|---|---|
| 1947-07-26T02:49:42.460Z | 33.9871667 | -116.504 | 6 | 4.95 | ci3358272 |
| 1947-07-26T01:24:14.930Z | 33.9468333 | -116.4493333 | 6 | 4.02 | ci3358270 |
| 1947-07-25T16:52:12.370Z | 34.05 | -116.4691667 | 6 | 3.49 | ci3358266 |
| 1947-07-25T16:14:53.050Z | 34.0483333 | -116.4721667 | 6 | 4.27 | ci3358265 |
| 1947-07-25T10:17:04.780Z | 34.032 | -116.448 | 6 | 3.03 | ci3358264 |
| 1947-07-25T08:19:41.130Z | 34.0025 | -116.408 | 6 | 3.03 | ci3358263 |
| 1947-07-25T07:57:30.700Z | 33.9946667 | -116.4398333 | 6 | 3.91 | ci3358261 |
| 1947-07-25T07:22:52.000Z | 33.9955 | -116.5426667 | 6 | 3.12 | ci3358260 |
| 1947-07-25T06:37:18.960Z | 34.0215 | -116.467 | 6 | 3.02 | ci3358259 |
| 1947-07-25T06:35:44.440Z | 34.0291667 | -116.4346667 | 6 | 3.01 | ci3358258 |
| 1947-07-25T06:19:49.500Z | 34.03 | -116.4063333 | 6 | 5.24 | ci3358256 |
| 1947-07-25T05:17:52.810Z | 34.0016667 | -116.4626667 | 6 | 3.91 | ci3358257 |
| 1947-07-25T03:28:23.270Z | 34.0203333 | -116.4045 | 6 | 3.44 | ci10085738 |
| 1947-07-25T03:21:51.440Z | 34.0026667 | -116.4425 | 6 | 3.6 | ci3358244 |
| 1947-07-25T03:12:01.870Z | 34.0093333 | -116.4398333 | 6 | 3.6 | ci3358242 |
| 1947-07-25T03:09:36.110Z | 33.9813333 | -116.5403333 | 6 | 3.11 | ci3358760 |
| 1947-07-25T03:06:54.570Z | 33.993 | -116.4178333 | 6 | 3.44 | ci3358327 |
| 1947-07-25T01:56:47.870Z | 34.0083333 | -116.4581667 | 6 | 4.33 | ci3358326 |
| 1947-07-25T00:46:30.670Z | 34.064 | -116.4153333 | 6 | 4.82 | ci3358709 |
| 1947-07-24T22:54:28.120Z | 33.9101667 | -116.5166667 | 6 | 4.69 | ci3358700 |
| 1947-07-24T22:53:41.620Z | 34.0013333 | -116.4338333 | 6 | 4.05 | ci3358698 |
| 1947-07-24T22:45:00.680Z | 34.0653333 | -116.4293333 | 6 | 3.02 | ci3358696 |
| 1947-07-24T22:10:46.820Z | 33.9936667 | -116.481 | 6 | 5.3 | ci3358693 |
| 1947-07-24T18:30:20.140Z | 33.9858333 | -116.2681667 | 6 | 3.41 | ci3358688 |
| 1947-07-22T03:28:23.270Z | 34.0205 | -116.4046667 | 6 | 3.44 | ci3358330 |
| 1947-06-23T16:05:24.250Z | 34.2321667 | -117.159 | 6 | 3.6 | ci3358585 |
| 1947-06-17T23:32:42.990Z | 33.942 | -116.4041667 | 6 | 3.51 | ci3358576 |
| 1947-06-03T16:19:41.710Z | 34.0916667 | -116.5166667 | 6 | 3.13 | ci3358554 |
| 1947-05-23T11:58:16.970Z | 33.1228333 | -116.449 | 6 | 3.44 | ci3358536 |
| 1947-05-19T05:28:12.810Z | 33.3835 | -116.9721667 | 5.53 | 3.39 | ci3358519 |
| 1947-05-11T05:06:20.940Z | 34.3063333 | -116.1921667 | 6 | 4.66 | ci3358488 |
| 1947-05-06T08:45:51.200Z | 34.2838333 | -116.2665 | 6 | 3.11 | ci3358467 |
| 1947-04-21T06:08:20.550Z | 33.2631667 | -116.2073333 | 6 | 3.24 | ci3358418 |
| 1947-03-04T04:31:18.470Z | 33.9246667 | -116.3975 | 6 | 3.08 | ci3358898 |
| 1947-01-30T11:03:36.150Z | 33.9775 | -116.7583333 | 6 | 3.36 | ci3358838 |
| 1947-01-22T12:12:47.480Z | 33.1196667 | -116.238 | 6 | 3.15 | ci3358833 |
| 1946-12-02T13:38:50.820Z | 33.9481667 | -116.6111667 | 6 | 3.37 | ci3359230 |
| 1946-11-17T23:54:09.780Z | 33.1758333 | -116.0038333 | 6 | 3.46 | ci3359182 |
| 1946-11-17T19:39:34.320Z | 33.1566667 | -115.8951667 | 6 | 3.22 | ci3359180 |
| 1946-11-10T05:12:12.230Z | 33.1715 | -116.4015 | 6 | 3.23 | ci3359166 |
| 1946-10-28T22:02:38.870Z | 33.417 | -116.8466667 | 16.44 | 3.55 | ci3359144 |
| 1946-09-28T07:19:10.420Z | 33.9346667 | -116.8668333 | 12.81 | 4.87 | ci3359589 |
| 1946-08-30T21:47:36.910Z | 33.0538333 | -115.8496667 | 6 | 3.53 | ci3359562 |

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|---|---|---|---|---|---|
| 1946-08-30T11:11:20.630Z | 33.111 | -115.7311667 | 6 | 3.44 | ci3359542 |
| 1946-08-22T22:21:03.400Z | 33.9601667 | -115.8283333 | 6 | 3.21 | ci3359527 |
| 1946-08-22T20:26:17.380Z | 33.9305 | -115.7896667 | 6 | 3.19 | ci3359526 |
| 1946-08-18T02:09:58.610Z | 33.5578333 | -116.0386667 | 6 | 3.39 | ci3359539 |
| 1946-08-15T19:01:11.120Z | 33.8445 | -116.3408333 | 6 | 3.73 | ci3359489 |
| 1946-08-14T10:00:59.570Z | 34.5133333 | -116.0586667 | 6 | 3.17 | ci3359538 |
| 1946-08-08T00:56:48.000Z | 33.0718333 | -116.4596667 | 6 | 3.12 | ci3359442 |
| 1946-07-27T11:14:05.140Z | 33.8526667 | -115.9623333 | 6 | 3.09 | ci3359725 |
| 1946-07-26T17:08:41.500Z | 33.1476667 | -116.554 | 1 | 3 | ci3359723 |
| 1946-07-19T13:34:04.720Z | 34.455 | -115.9578333 | 6 | 3.06 | ci3359738 |
| 1946-07-19T05:04:43.690Z | 34.3301667 | -115.9128333 | 6 | 3.25 | ci3359697 |
| 1946-07-18T14:27:57.990Z | 34.5016667 | -115.9148333 | 6 | 5.51 | ci3359696 |
| 1946-07-11T13:24:42.340Z | 33.898 | -115.727 | 6 | 3.62 | ci3359686 |
| 1946-07-06T17:33:22.540Z | 33.881 | -115.8705 | 6 | 3.04 | ci3359680 |
| 1946-07-06T01:50:17.550Z | 33.9635 | -115.729 | 6 | 3.51 | ci3359678 |
| 1946-07-05T17:23:28.690Z | 34.0085 | -115.6643333 | 6 | 3.15 | ci3359676 |
| 1946-07-05T13:16:21.370Z | 34.0416667 | -115.8933333 | 6 | 3.51 | ci3359672 |
| 1946-07-05T11:15:30.480Z | 33.9746667 | -115.7668333 | 6 | 3.24 | ci3359671 |
| 1946-07-03T00:16:45.230Z | 34.217 | -116.303 | 6 | 3.36 | ci3359664 |
| 1946-07-01T04:25:26.390Z | 33.9193333 | -115.8646667 | 6 | 3.05 | ci3359658 |
| 1946-06-27T03:16:37.320Z | 33.8601667 | -117.3628333 | 6.76 | 3.47 | ci3359654 |
| 1946-06-23T02:42:10.840Z | 34.1151667 | -116.7051667 | 6 | 3.03 | ci3359644 |
| 1946-06-18T10:40:42.110Z | 33.9055 | -115.7913333 | 6 | 3.36 | ci3359640 |
| 1946-06-09T14:39:51.420Z | 33.9701667 | -116.7861667 | 6 | 3.16 | ci3359631 |
| 1946-06-04T17:19:17.810Z | 33.9065 | -115.841 | 6 | 3.42 | ci3359627 |
| 1946-06-04T14:48:24.670Z | 33.936 | -115.7673333 | 6 | 3.72 | ci3359626 |
| 1946-06-04T12:05:26.660Z | 33.9861667 | -115.7035 | 6 | 4.7 | ci3359625 |
| 1946-05-12T18:19:06.940Z | 33.9468333 | -117.2261667 | 5.7 | 3.27 | ci3360100 |
| 1946-05-12T04:42:12.200Z | 33.9996667 | -116.1203333 | 6 | 3.08 | ci3360099 |
| 1946-05-12T02:46:50.010Z | 34.0108333 | -116.1608333 | 6 | 3.17 | ci3360098 |
| 1946-05-09T00:14:00.140Z | 33.892 | -117.2893333 | 6 | 3.51 | ci3360094 |
| 1946-05-08T18:40:13.440Z | 34.3296667 | -117.0095 | 6 | 3.07 | ci3360093 |
| 1946-05-01T07:37:48.620Z | 33.9455 | -115.7498333 | 6 | 3.08 | ci3360085 |
| 1946-04-30T05:08:56.640Z | 33.9586667 | -115.7961667 | 6 | 3.3 | ci3360084 |
| 1946-04-28T17:31:23.950Z | 34.0063333 | -115.6683333 | 6 | 4.19 | ci3360090 |
| 1946-04-28T03:55:31.810Z | 34.0153333 | -116.7166667 | 6 | 3.18 | ci3360080 |
| 1946-04-27T17:07:50.170Z | 33.9736667 | -115.6538333 | 6 | 3.21 | ci3360077 |
| 1946-04-19T15:55:14.440Z | 33.9585 | -117.2295 | 15.52 | 3.23 | ci3360060 |
| 1946-04-16T02:28:29.990Z | 34.4626667 | -116.3253333 | 6 | 3.04 | ci3360053 |
| 1946-04-15T01:58:25.370Z | 34.0875 | -116.3691667 | 6 | 3.44 | ci3360051 |
| 1946-03-31T13:52:19.370Z | 33.3366667 | -116.4423333 | 0.76 | 3.28 | ci3359871 |
| 1946-03-30T22:40:47.910Z | 34.4471667 | -116.7208333 | 6 | 3.09 | ci3359868 |
| 1946-02-20T09:48:37.770Z | 33.1793333 | -116.0185 | 6 | 3 | ci3360162 |

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|---|---|---|---|---|---|
| 1946-02-05T16:05:18.620Z | 33.4633333 | -116.4986667 | 1.14 | 3.16 | ci3360151 |
| 1946-02-05T16:04:34.610Z | 33.4763333 | -116.4865 | 2.16 | 3.35 | ci3360149 |
| 1946-01-08T18:54:19.630Z | 33.1111667 | -116.0008333 | 6 | 5.33 | ci3360124 |
| 1945-11-15T02:56:31.880Z | 33.2328333 | -116.2158333 | 6 | 3.5 | ci3360316 |
| 1945-11-08T13:06:53.910Z | 33.9265 | -117.3138333 | 15.77 | 3.21 | ci3360306 |
| 1945-11-08T11:19:27.420Z | 34.0495 | -117.2105 | 15.87 | 3.46 | ci3360305 |
| 1945-10-31T20:41:55.200Z | 34.1831667 | -117.2066667 | 1.58 | 3.53 | ci3360302 |
| 1945-10-03T04:26:57.950Z | 33.9715 | -116.374 | 6 | 3.07 | ci3360292 |
| 1945-10-02T02:20:31.090Z | 33.1423333 | -116.1851667 | 6 | 3.12 | ci3360291 |
| 1945-09-22T09:05:41.520Z | 33.5288333 | -116.8575 | 6.02 | 3.67 | ci3360288 |
| 1945-09-07T15:34:24.590Z | 33.992 | -116.765 | 6 | 4.24 | ci3360285 |
| 1945-08-31T11:11:41.350Z | 33.029 | -116.5048333 | 0.19 | 3.2 | ci3360568 |
| 1945-08-25T21:27:59.110Z | 33.8503333 | -116.9508333 | 0.07 | 3.21 | ci3360553 |
| 1945-08-19T07:16:23.390Z | 32.9606667 | -116.4186667 | 6 | 3.26 | ci3360537 |
| 1945-08-16T02:53:55.970Z | 33.2125 | -116.1498333 | 6 | 3.09 | ci3360519 |
| 1945-08-15T21:02:13.480Z | 33.059 | -116.0601667 | 6 | 3.1 | ci3360512 |
| 1945-08-15T18:43:55.800Z | 33.2133333 | -116.1053333 | 6 | 3.5 | ci3360499 |
| 1945-08-15T18:41:02.630Z | 33.1763333 | -116.1348333 | 6 | 3.1 | ci10084866 |
| 1945-07-23T04:26:29.120Z | 34.4015 | -116.5956667 | 6 | 3.41 | ci3360380 |
| 1945-07-09T13:53:01.210Z | 33.455 | -116.5125 | 6 | 3.27 | ci3360374 |
| 1945-06-29T02:36:49.990Z | 33.3935 | -115.971 | 6 | 3.06 | ci3360370 |
| 1945-06-17T09:03:19.530Z | 34.0385 | -116.9946667 | 12.62 | 3.27 | ci3360587 |
| 1945-06-01T21:20:16.890Z | 33.1905 | -116.1295 | 0.05 | 3.33 | ci3360352 |
| 1945-05-16T15:34:37.660Z | 33.198 | -116.1066667 | 6 | 3.12 | ci3360965 |
| 1945-05-13T01:12:00.170Z | 34.3938333 | -116.8186667 | 6 | 3.18 | ci3360962 |
| 1945-05-06T10:45:58.770Z | 33.8765 | -115.9995 | 0.01 | 3 | ci3360959 |
| 1945-04-18T04:58:03.800Z | 34.364 | -116.972 | 6 | 4.27 | ci3360925 |
| 1945-04-08T09:54:40.060Z | 33.0976667 | -116.1651667 | 6 | 3.09 | ci3360916 |
| 1945-04-06T15:46:45.840Z | 34.0013333 | -116.7566667 | 6 | 3.44 | ci3360913 |
| 1945-03-29T17:53:17.830Z | 34.2631667 | -116.3118333 | 6 | 3.63 | ci3360907 |
| 1945-03-29T04:04:20.680Z | 34.151 | -116.233 | 6 | 4.14 | ci3360905 |
| 1945-03-27T18:41:53.820Z | 34.1635 | -116.9341667 | 10.56 | 3.38 | ci10084826 |
| 1945-03-27T07:31:31.380Z | 34.0901667 | -117.111 | 5.3 | 3.08 | ci3360738 |
| 1945-03-20T21:55:08.220Z | 34.2381667 | -116.1415 | 6 | 4.87 | ci3360727 |
| 1945-03-11T00:20:04.300Z | 33.8736667 | -116.2226667 | 6 | 3.66 | ci3360707 |
| 1945-03-11T00:01:33.320Z | 33.8581667 | -116.17 | 6 | 3.15 | ci10084818 |
| 1945-02-23T11:59:42.800Z | 33.7015 | -116.9023333 | 6 | 3.22 | ci3360599 |
| 1945-01-30T22:04:28.400Z | 33.5355 | -116.555 | 5.39 | 3.11 | ci3361051 |
| 1945-01-30T09:38:55.940Z | 33.1158333 | -116.1821667 | 6 | 3.64 | ci3361050 |
| 1945-01-28T14:09:36.790Z | 33.7828333 | -116.1818333 | 6 | 3 | ci3361049 |
| 1945-01-26T04:23:56.160Z | 34.2471667 | -117.1555 | 1.26 | 3.37 | ci10084806 |
| 1945-01-23T21:34:13.140Z | 33.419 | -116.8436667 | 16.1 | 3.22 | ci3361044 |
| 1944-12-16T15:01:10.870Z | 33.4816667 | -116.6023333 | 4.44 | 3.12 | ci3360991 |

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|---|---|---|---|---|---|
| 1944-10-29T07:13:07.700Z | 34.011 | -116.4005 | 6 | 3.05 | ci3362609 |
| 1944-10-28T18:30:17.220Z | 34.0153333 | -116.7566667 | 6 | 4.22 | ci3362597 |
| 1944-10-26T22:54:15.760Z | 33.2828333 | -116.3411667 | 6 | 4.02 | ci3363015 |
| 1944-10-26T22:14:42.660Z | 33.1123333 | -116.2125 | 6 | 3.58 | ci3363004 |
| 1944-10-24T07:53:17.610Z | 34.0885 | -116.3828333 | 6 | 3.52 | ci3363003 |
| 1944-10-12T15:27:17.210Z | 33.9398333 | -115.8115 | 6 | 3.5 | ci3362804 |
| 1944-09-24T15:13:42.060Z | 33.1968333 | -116.155 | 6 | 3.55 | ci3364315 |
| 1944-09-20T14:12:22.200Z | 34.0146667 | -116.6985 | 6 | 3.47 | ci3364149 |
| 1944-09-18T19:45:12.240Z | 33.8285 | -115.7481667 | 6 | 3.23 | ci3364147 |
| 1944-09-12T17:54:29.940Z | 34.052 | -117.377 | 0 | 3.02 | ci3363666 |
| 1944-09-04T12:55:32.070Z | 33.2676667 | -116.2476667 | 6 | 3.83 | ci3363639 |
| 1944-08-25T07:38:12.280Z | 33.9448333 | -116.6828333 | 6 | 3.03 | ci3366622 |
| 1944-08-25T07:30:25.790Z | 33.8715 | -116.7311667 | 6 | 4.04 | ci3366619 |
| 1944-08-20T11:33:12.720Z | 32.9825 | -116.0641667 | 6 | 3.79 | ci3366613 |
| 1944-08-17T02:52:42.010Z | 34.2905 | -117.1523333 | 3 | 3.14 | ci3366612 |
| 1944-07-26T09:11:53.020Z | 33.9951667 | -116.2725 | 6 | 3.6 | ci3366601 |
| 1944-07-23T12:45:16.770Z | 33.2236667 | -116.1431667 | 6 | 3.27 | ci3366599 |
| 1944-07-22T02:02:55.920Z | 33.4841667 | -116.7783333 | 5.43 | 3.58 | ci3366597 |
| 1944-07-19T21:58:10.410Z | 33.4986667 | -116.5005 | 6 | 3.31 | ci3366595 |
| 1944-07-01T10:53:59.150Z | 33.9636667 | -116.7268333 | 6 | 3.61 | ci3366586 |
| 1944-06-30T03:04:44.220Z | 33.9523333 | -116.6905 | 6 | 3.19 | ci3366585 |
| 1944-06-28T10:19:50.590Z | 33.9811667 | -116.6718333 | 6 | 3.28 | ci3366584 |
| 1944-06-28T06:55:17.390Z | 33.9995 | -116.7885 | 6 | 3.39 | ci3366583 |
| 1944-06-27T16:34:50.320Z | 34.0395 | -116.7556667 | 6 | 3.16 | ci3366582 |
| 1944-06-25T00:50:21.820Z | 33.7006667 | -116.74 | 18 | 3.11 | ci3366580 |
| 1944-06-23T21:28:42.610Z | 33.9958333 | -116.7173333 | 6 | 3.44 | ci3366579 |
| 1944-06-20T13:42:22.630Z | 33.9886667 | -116.7523333 | 6 | 3.1 | ci3366577 |
| 1944-06-17T23:41:03.660Z | 33.9561667 | -116.7421667 | 6 | 3.2 | ci3366568 |
| 1944-06-16T02:12:03.620Z | 34.2073333 | -116.3933333 | 6 | 3.17 | ci3366566 |
| 1944-06-15T20:44:23.400Z | 33.9783333 | -116.73 | 6 | 3.72 | ci3366565 |
| 1944-06-14T09:46:31.850Z | 33.9911667 | -116.6885 | 6 | 3.36 | ci3366564 |
| 1944-06-14T03:31:49.810Z | 33.9661667 | -116.7341667 | 6 | 3.27 | ci3366563 |
| 1944-06-14T01:20:44.430Z | 33.9703333 | -116.7025 | 6 | 3.34 | ci3366562 |
| 1944-06-14T00:04:35.430Z | 33.997 | -116.6881667 | 6 | 3.82 | ci3366561 |
| 1944-06-13T18:37:05.730Z | 34.0173333 | -116.7108333 | 6 | 3.19 | ci3366560 |
| 1944-06-13T17:30:14.460Z | 33.9818333 | -116.7196667 | 6 | 3.56 | ci3366559 |
| 1944-06-13T13:20:48.940Z | 33.9903333 | -116.7393333 | 6 | 3.08 | ci3366558 |
| 1944-06-13T00:19:27.900Z | 33.9821667 | -116.6976667 | 6 | 3.58 | ci3366553 |
| 1944-06-12T22:21:19.260Z | 33.9838333 | -116.6816667 | 6 | 4.04 | ci3366552 |
| 1944-06-12T20:22:58.120Z | 33.9656667 | -116.713 | 6 | 3.51 | ci3366551 |
| 1944-06-12T14:43:20.200Z | 33.981 | -116.7006667 | 6 | 3.38 | ci3366550 |
| 1944-06-12T13:45:27.430Z | 33.9501667 | -116.7473333 | 6 | 3.67 | ci3366549 |
| 1944-06-12T11:48:47.120Z | 33.9611667 | -116.7303333 | 6 | 3.32 | ci3366548 |

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|---|---|---|---|---|---|
| 1944-06-12T11:39:09.490Z | 33.9616667 | -116.7301667 | 6 | 3.5 | ci3366547 |
| 1944-06-12T11:16:35.810Z | 34.0015 | -116.6988333 | 6 | 5.24 | ci3366546 |
| 1944-06-12T11:13:46.440Z | 33.97 | -116.7383333 | 6 | 3.38 | ci3366545 |
| 1944-06-12T10:50:56.000Z | 33.9836667 | -116.7156667 | 6 | 3.5 | ci3366544 |
| 1944-06-12T10:45:34.680Z | 33.989 | -116.7311667 | 6 | 5.06 | ci3366543 |
| 1944-06-10T11:26:12.040Z | 33.9995 | -116.7681667 | 6 | 3.08 | ci3366540 |
| 1944-06-10T11:15:32.400Z | 33.977 | -116.7915 | 6 | 3.95 | ci3366539 |
| 1944-06-10T11:11:50.450Z | 33.9916667 | -116.7831667 | 6 | 4.41 | ci3366538 |
| 1944-05-06T01:44:02.290Z | 34.0326667 | -116.4406667 | 6 | 3.02 | ci3366523 |
| 1944-05-05T13:47:17.160Z | 34.0293333 | -116.446 | 6 | 3.83 | ci3366522 |
| 1944-05-05T13:45:39.220Z | 34.0246667 | -116.4386667 | 6 | 3.53 | ci3366521 |
| 1944-04-20T17:04:49.070Z | 34.0558333 | -115.797 | 6 | 3.33 | ci3366515 |
| 1944-04-01T10:44:17.610Z | 34.0485 | -115.7595 | 6 | 3.27 | ci3366508 |
| 1944-04-01T10:16:13.180Z | 33.9488333 | -115.7138333 | 6 | 3.55 | ci3366507 |
| 1944-03-30T09:17:24.370Z | 34.0135 | -115.7426667 | 6 | 3.68 | ci3366505 |
| 1944-03-22T08:09:00.750Z | 34.0468333 | -116.3763333 | 6 | 3.14 | ci3366501 |
| 1944-03-16T07:08:12.810Z | 33.9626667 | -116.69 | 6 | 3.11 | ci3366498 |
| 1944-03-16T07:07:48.650Z | 33.9486667 | -116.6643333 | 6 | 3.16 | ci3366497 |
| 1944-03-09T08:58:23.880Z | 34.0566667 | -115.896 | 6 | 3.09 | ci3366496 |
| 1944-03-09T08:41:54.320Z | 33.8758333 | -115.7795 | 6 | 3.22 | ci3366495 |
| 1944-03-07T03:50:27.870Z | 33.8938333 | -115.8741667 | 6 | 3.41 | ci3366494 |
| 1944-01-16T07:00:36.230Z | 34.2885 | -117.0728333 | 6 | 3.06 | ci3366469 |
| 1944-01-06T03:47:48.600Z | 33.756 | -116.1338333 | 6 | 3.01 | ci3366467 |
| 1943-12-29T15:46:33.120Z | 33.482 | -116.5036667 | 6 | 3.06 | ci3366462 |
| 1943-12-26T03:14:47.110Z | 33.0483333 | -116.4013333 | 6 | 3.15 | ci3366461 |
| 1943-12-22T15:50:28.600Z | 34.3698333 | -115.8185 | 6 | 5.11 | ci3366459 |
| 1943-12-08T18:29:10.850Z | 33.9615 | -116.6676667 | 6 | 3.01 | ci3366453 |
| 1943-11-22T00:39:52.920Z | 34.1635 | -117.04 | 6 | 3.25 | ci3366444 |
| 1943-11-17T11:28:41.890Z | 34.0378333 | -116.6718333 | 6 | 4.4 | ci3366443 |
| 1943-11-16T18:09:09.000Z | 32.9666667 | -116 | 6 | 4 | ci10086922 |
| 1943-11-16T18:08:44.800Z | 32.9258333 | -116.1033333 | 6 | 3.61 | ci3366441 |
| 1943-11-04T23:38:19.510Z | 33.1738333 | -116.1091667 | 6 | 3.53 | ci3366434 |
| 1943-11-02T22:54:25.580Z | 33.0348333 | -116.0335 | 6 | 3.23 | ci3366431 |
| 1943-11-02T18:01:40.870Z | 32.967 | -116 | 6 | 3.78 | ci3366429 |
| 1943-11-02T18:01:17.730Z | 32.9523333 | -116.1065 | 6 | 3.47 | ci3366430 |
| 1943-11-02T17:53:07.790Z | 32.9893333 | -116.0986667 | 6 | 4 | ci3366428 |
| 1943-11-02T16:57:18.340Z | 33 | -116 | 6 | 3.85 | ci3366425 |
| 1943-11-02T16:56:07.430Z | 33.0475 | -116.1673333 | 6 | 3.11 | ci3366424 |
| 1943-10-31T13:12:10.390Z | 33.8041667 | -116.1465 | 6 | 4.26 | ci3366418 |
| 1943-10-28T14:11:05.220Z | 33.397 | -116.5048333 | 0.52 | 3.54 | ci3366413 |
| 1943-10-26T19:56:29.410Z | 33.4796667 | -116.3801667 | 6 | 3.17 | ci3366411 |
| 1943-10-24T00:29:20.820Z | 34.0115 | -117.2541667 | 14.54 | 3.87 | ci3366410 |
| 1943-10-15T16:58:55.860Z | 34.3956667 | -116.8148333 | 6 | 3 | ci3366405 |

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|---|---|---|---|---|---|
| 1943-10-15T16:50:02.480Z | 34.3628333 | -116.854 | 6 | 4.21 | ci12277739 |
| 1943-10-15T00:19:38.240Z | 34.379 | -116.8193333 | 6 | 3.4 | ci3366403 |
| 1943-10-14T14:28:44.700Z | 34.3641667 | -116.8496667 | 6 | 4.38 | ci3366402 |
| 1943-10-11T04:53:23.050Z | 33.9863333 | -116.6993333 | 6 | 3.51 | ci3366400 |
| 1943-09-29T06:36:07.630Z | 33.441 | -116.4405 | 6 | 3.31 | ci3366394 |
| 1943-08-31T14:59:19.330Z | 34.1763333 | -117.02 | 6.71 | 3.17 | ci3366376 |
| 1943-08-29T05:16:32.280Z | 34.1378333 | -117.0675 | 0.14 | 3.56 | ci3366375 |
| 1943-08-29T03:57:55.960Z | 34.208 | -116.99 | 6 | 4.04 | ci3366374 |
| 1943-08-29T03:45:14.310Z | 34.268 | -116.9678333 | 6 | 5.28 | ci3366373 |
| 1943-08-29T03:43:11.420Z | 34.1958333 | -117.0121667 | 6 | 3.44 | ci3366372 |
| 1943-08-17T15:51:00.750Z | 32.9671667 | -116.048 | 6 | 3.7 | ci3366367 |
| 1943-07-27T21:44:05.490Z | 33.8923333 | -116.8096667 | 6 | 3.03 | ci3366354 |
| 1943-07-22T05:04:40.670Z | 32.921 | -116.1193333 | 6 | 3.01 | ci3366351 |
| 1943-06-25T06:10:01.330Z | 33.0523333 | -115.9111667 | 6 | 3.36 | ci3366334 |
| 1943-06-18T16:15:50.070Z | 33.2118333 | -116.2623333 | 6 | 4.33 | ci3366330 |
| 1943-06-12T19:21:43.970Z | 33.1963333 | -116.1846667 | 6 | 3.81 | ci3366325 |
| 1943-06-11T13:28:13.830Z | 33.7988333 | -117.0615 | 0.11 | 3.44 | ci3366324 |
| 1943-06-07T08:23:24.740Z | 33.0196667 | -116.132 | 6 | 3.18 | ci3366322 |
| 1943-05-30T02:39:26.070Z | 33.1811667 | -116.5228333 | 6 | 3.39 | ci3366316 |
| 1943-04-30T15:52:59.410Z | 32.932 | -116.0776667 | 6 | 3.78 | ci3366295 |
| 1943-04-27T03:28:36.640Z | 32.9353333 | -116.1305 | 6 | 3.63 | ci3366293 |
| 1943-04-27T03:28:04.250Z | 32.9425 | -116.1245 | 6 | 3.47 | ci3366292 |
| 1943-04-20T22:43:47.040Z | 33.1195 | -116.028 | 6 | 3.16 | ci3366287 |
| 1943-04-14T08:47:46.570Z | 33.0085 | -116.1281667 | 6 | 3.03 | ci3366283 |
| 1943-04-08T10:49:11.670Z | 33.7583333 | -116.0036667 | 6 | 3.2 | ci3366280 |
| 1943-04-07T03:46:18.560Z | 32.9361667 | -116.1685 | 6 | 3.58 | ci3366279 |
| 1943-03-26T06:29:58.060Z | 33.0355 | -115.9565 | 6 | 3.69 | ci3366268 |
| 1943-03-18T23:06:21.880Z | 33.4903333 | -116.579 | 4.59 | 3.23 | ci3366266 |
| 1943-03-09T00:19:25.500Z | 33.139 | -116.3736667 | 6 | 3.06 | ci3366258 |
| 1943-03-03T13:05:34.820Z | 34.0365 | -115.9101667 | 6 | 3.14 | ci3366252 |
| 1943-03-03T07:29:10.550Z | 33.7821667 | -116.2333333 | 6 | 3.44 | ci3366250 |
| 1943-02-17T23:44:26.470Z | 33.2303333 | -115.7575 | 6 | 3.15 | ci3366237 |
| 1943-02-17T10:20:59.320Z | 33.1548333 | -116.6635 | 1.81 | 3.13 | ci3366236 |
| 1943-02-05T19:08:11.320Z | 33.0108333 | -116.1058333 | 6 | 3.33 | ci3366224 |
| 1943-01-08T01:24:08.640Z | 32.9951667 | -116.2323333 | 6 | 3.03 | ci3366208 |
| 1943-01-07T02:19:15.940Z | 33.1573333 | -116.282 | 6 | 3.06 | ci3366205 |
| 1943-01-02T23:49:17.810Z | 34.0158333 | -117.2236667 | 14.93 | 3.2 | ci3366198 |
| 1943-01-02T14:11:18.490Z | 33.4321667 | -116.3958333 | 6 | 4.43 | ci3366197 |
| 1942-12-29T19:10:16.940Z | 32.9855 | -116.1326667 | 6 | 3.2 | ci3366194 |
| 1942-12-23T07:43:12.280Z | 33.1911667 | -115.8911667 | 6 | 3.42 | ci3366191 |
| 1942-12-19T02:14:35.910Z | 33.119 | -115.9926667 | 6 | 3.26 | ci3366188 |
| 1942-12-12T17:49:37.940Z | 33.506 | -115.6343333 | 6 | 3.02 | ci3366184 |
| 1942-12-04T21:25:09.510Z | 34.245 | -116.285 | 6 | 3.1 | ci3366170 |

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|---|---|---|---|---|---|
| 1942-12-02T18:39:08.160Z | 33.2 | -116 | 6 | 3.33 | ci3366167 |
| 1942-11-27T23:12:27.920Z | 33.5521667 | -116.6866667 | 0.01 | 3.18 | ci3366163 |
| 1942-11-27T23:08:03.820Z | 34.0231667 | -116.509 | 6 | 3.27 | ci3366162 |
| 1942-11-20T07:00:27.770Z | 32.9568333 | -116.0808333 | 6 | 3.27 | ci3366155 |
| 1942-11-19T12:15:19.920Z | 33.236 | -116.4016667 | 6 | 3.42 | ci3366154 |
| 1942-11-10T00:53:54.600Z | 34.1533333 | -116.695 | 6 | 3.06 | ci3366149 |
| 1942-11-03T10:20:33.170Z | 34.4278333 | -116.5863333 | 6 | 3 | ci3366141 |
| 1942-11-02T05:31:11.200Z | 33.9861667 | -116.4883333 | 6 | 3.02 | ci3366136 |
| 1942-10-31T15:07:58.770Z | 32.9453333 | -116.3113333 | 6 | 3.98 | ci3366133 |
| 1942-10-30T05:35:49.790Z | 33.0448333 | -116.1521667 | 6 | 4.37 | ci3366131 |
| 1942-10-29T20:51:08.520Z | 33.0321667 | -116.1601667 | 6 | 4.14 | ci3366129 |
| 1942-10-29T17:35:58.170Z | 33.1253333 | -116.1276667 | 6 | 3.74 | ci3366127 |
| 1942-10-29T15:56:02.960Z | 33.0591667 | -116.0705 | 6 | 4.41 | ci3366124 |
| 1942-10-26T06:15:04.340Z | 33.2418333 | -115.6805 | 6 | 3.61 | ci3366122 |
| 1942-10-26T03:21:18.760Z | 33.1645 | -115.6858333 | 6 | 3.25 | ci3366120 |
| 1942-10-26T03:02:18.410Z | 33.2876667 | -115.8275 | 6 | 4.16 | ci3366119 |
| 1942-10-26T02:54:10.640Z | 33.1771667 | -115.6621667 | 6 | 3.31 | ci3366118 |
| 1942-10-25T18:59:40.560Z | 32.9251667 | -116.1443333 | 6 | 3.9 | ci3366117 |
| 1942-10-24T09:30:09.190Z | 33.1458333 | -115.6961667 | 6 | 3.41 | ci3366115 |
| 1942-10-22T12:55:52.400Z | 33.0488333 | -115.8145 | 6 | 3.7 | ci3366112 |
| 1942-10-22T12:36:06.120Z | 33.029 | -115.9748333 | 6 | 3.48 | ci3366111 |
| 1942-10-22T02:02:07.290Z | 33.3498333 | -115.4878333 | 6 | 4.42 | ci3366108 |
| 1942-10-22T01:50:37.080Z | 33.2661667 | -115.572 | 6 | 5.63 | ci3366107 |
| 1942-10-21T21:49:34.230Z | 32.909 | -116.307 | 6 | 4.1 | ci3366105 |
| 1942-10-21T16:34:42.650Z | 32.9618333 | -116.062 | 6 | 4.3 | ci3366102 |
| 1942-10-21T16:26:57.110Z | 32.9411667 | -116.0441667 | 6 | 4.5 | ci3366101 |
| 1942-10-17T05:59:38.070Z | 34.495 | -116.5011667 | 6 | 3.18 | ci3366097 |
| 1942-10-15T07:58:16.500Z | 34.5093333 | -116.5085 | 6 | 3.19 | ci3366095 |
| 1942-09-21T07:07:55.720Z | 33.5296667 | -116.7403333 | 1.41 | 3.64 | ci3366081 |
| 1942-09-20T16:14:07.660Z | 34.259 | -116.3681667 | 6 | 4.15 | ci3366079 |
| 1942-09-11T23:31:26.160Z | 33.1071667 | -115.9468333 | 6 | 3.48 | ci3366071 |
| 1942-09-05T22:38:29.330Z | 33.3753333 | -116.3623333 | 6 | 3.39 | ci3366069 |
| 1942-08-22T12:59:13.380Z | 34.058 | -116.7063333 | 6 | 3.99 | ci3366062 |
| 1942-08-20T06:30:36.810Z | 33.9355 | -116.3293333 | 6 | 3.36 | ci3366057 |
| 1942-08-16T01:12:50.300Z | 33.8936667 | -117.3406667 | 9.05 | 3.25 | ci3366053 |
| 1942-08-09T13:54:46.040Z | 34.2768333 | -116.3781667 | 6 | 3.55 | ci3366049 |
| 1942-08-07T01:53:15.880Z | 34.2431667 | -116.378 | 6 | 3.96 | ci3366047 |
| 1942-08-07T01:38:45.500Z | 34.2188333 | -116.3898333 | 6 | 3.3 | ci3366046 |
| 1942-08-07T01:23:59.820Z | 34.2416667 | -116.37 | 6 | 3.77 | ci3366045 |
| 1942-08-07T01:15:34.480Z | 34.2481667 | -116.3696667 | 6 | 4.62 | ci3366044 |
| 1942-07-24T14:16:12.700Z | 33.197 | -116.328 | 6 | 3.05 | ci3366041 |
| 1942-07-15T16:02:02.750Z | 34.0036667 | -117.1435 | 14.55 | 3.43 | ci3366038 |
| 1942-07-07T22:21:23.230Z | 33.8711667 | -116.6788333 | 6 | 3.07 | ci3366034 |

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|---|---|---|---|---|---|
| 1942-06-28T19:06:56.830Z | 34.3958333 | -116.4543333 | 6 | 3.18 | ci3366024 |
| 1942-06-24T23:52:44.010Z | 33.1885 | -116.038 | 6 | 3.85 | ci3366022 |
| 1942-06-14T22:25:53.240Z | 33.0963333 | -116.0436667 | 6 | 3.64 | ci3366015 |
| 1942-06-14T21:36:26.000Z | 33.1348333 | -115.9866667 | 6 | 3.6 | ci3366014 |
| 1942-06-13T04:14:04.160Z | 34.1928333 | -116.3703333 | 6 | 3.3 | ci3366013 |
| 1942-06-09T05:06:35.910Z | 33.3631667 | -116.3996667 | 11.62 | 4.05 | ci3366010 |
| 1942-05-23T15:47:33.780Z | 32.9945 | -116.2503333 | 6 | 4.87 | ci3365989 |
| 1942-05-22T15:18:31.330Z | 34.452 | -116.812 | 6 | 3.96 | ci3365980 |
| 1942-05-19T07:27:38.600Z | 33.5076667 | -116.5928333 | 2.77 | 3.25 | ci3365977 |
| 1942-05-08T17:08:05.360Z | 34.0335 | -115.893 | 6 | 3.28 | ci3365971 |
| 1942-04-29T12:12:59.920Z | 33.6003333 | -117.147 | 6 | 3.29 | ci3365964 |
| 1942-04-26T15:10:23.000Z | 34.0055 | -116.6363333 | 6 | 3.75 | ci3365961 |
| 1942-04-17T10:19:52.990Z | 33.7685 | -116.054 | 6 | 3.06 | ci3365954 |
| 1942-04-11T05:29:13.950Z | 33.8298333 | -115.8226667 | 6 | 3.3 | ci3365951 |
| 1942-04-05T09:19:38.300Z | 33.2138333 | -116.0275 | 6 | 3.96 | ci3365946 |
| 1942-03-27T01:06:49.860Z | 33.487 | -116.4626667 | 6 | 3.69 | ci3365939 |
| 1942-03-07T18:07:46.610Z | 33.7568333 | -115.8256667 | 6 | 3.07 | ci3365929 |
| 1942-03-05T10:02:02.940Z | 33.1883333 | -116.0638333 | 6 | 3.13 | ci3365926 |
| 1942-03-04T11:02:15.560Z | 33.635 | -115.9681667 | 6 | 3.96 | ci3365924 |
| 1942-03-03T01:03:25.850Z | 34.0011667 | -115.8466667 | 6 | 4.82 | ci3365922 |
| 1942-03-01T19:13:27.690Z | 33.5938333 | -116.0928333 | 6 | 3.23 | ci3365920 |
| 1942-03-01T10:46:32.380Z | 33.9638333 | -116.3038333 | 6 | 3.61 | ci3365918 |
| 1942-02-27T19:10:58.020Z | 33.8051667 | -116.1461667 | 6 | 3.12 | ci3365915 |
| 1942-02-27T01:08:57.830Z | 34.3531667 | -116.8515 | 6 | 4.03 | ci3365912 |
| 1942-02-13T10:26:08.620Z | 33.8113333 | -115.8533333 | 6 | 3.84 | ci3365908 |
| 1942-02-09T09:44:26.170Z | 34.4856667 | -116.795 | 6 | 3.02 | ci3365904 |
| 1942-02-09T00:46:57.320Z | 34.4695 | -116.767 | 6 | 3.04 | ci3365903 |
| 1942-02-07T00:12:53.660Z | 33.1333333 | -116.1163333 | 6 | 3.53 | ci3365902 |
| 1942-02-02T11:30:14.300Z | 34.4135 | -116.776 | 6 | 3.56 | ci3365895 |
| 1942-02-02T05:56:48.940Z | 34.4525 | -116.7928333 | 6 | 3.22 | ci3365894 |
| 1942-02-01T16:03:34.430Z | 34.4151667 | -116.7928333 | 6 | 4.39 | ci3365892 |
| 1942-02-01T15:18:28.790Z | 34.4188333 | -116.8128333 | 6 | 4.6 | ci3365890 |
| 1942-02-01T15:15:55.130Z | 34.4288333 | -116.7948333 | 6 | 3.54 | ci3365889 |
| 1942-01-31T08:05:18.090Z | 34.0796667 | -117.3266667 | 9.5 | 3.19 | ci3365887 |
| 1942-01-29T09:52:49.110Z | 34.246 | -116.3773333 | 6 | 3.05 | ci3365886 |
| 1942-01-25T21:51:33.180Z | 34.4265 | -116.783 | 6 | 3.67 | ci3365881 |
| 1942-01-25T16:09:33.530Z | 34.4888333 | -116.8305 | 6 | 3.3 | ci3365880 |
| 1942-01-21T14:30:47.150Z | 34.4426667 | -116.7818333 | 6 | 3.29 | ci3365875 |
| 1942-01-21T05:25:01.130Z | 34.1008333 | -116.2601667 | 6 | 3.53 | ci3365874 |
| 1942-01-21T05:13:42.540Z | 34.0461667 | -116.3473333 | 6 | 3.63 | ci3365873 |
| 1941-12-23T11:16:10.230Z | 34.0018333 | -116.0833333 | 6 | 3.12 | ci3365837 |
| 1941-10-13T20:59:16.390Z | 33.9971667 | -116.7966667 | 6 | 3.11 | ci3365781 |
| 1941-10-05T21:08:55.300Z | 33.1558333 | -116.013 | 6 | 3.17 | ci3365772 |

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|---|---|---|---|---|---|
| 1941-09-27T19:19:01.880Z | 33.3085 | -116.133 | 6 | 3.27 | ci3365764 |
| 1941-09-21T09:03:07.930Z | 33.1756667 | -116.5235 | 0.05 | 3.35 | ci3365753 |
| 1941-09-13T03:24:35.460Z | 34.0438333 | -117.0866667 | 12.63 | 3.12 | ci3365736 |
| 1941-08-19T10:01:38.000Z | 33.1268333 | -116.0221667 | 6 | 3.53 | ci3365717 |
| 1941-08-10T13:27:39.300Z | 32.9231667 | -116.273 | 6 | 3.13 | ci3365713 |
| 1941-07-13T19:38:23.610Z | 33.5268333 | -116.5868333 | 6 | 3.01 | ci3365691 |
| 1941-07-13T19:06:28.740Z | 34.0663333 | -116.4011667 | 6 | 3.24 | ci3365690 |
| 1941-07-11T01:54:45.180Z | 33.659 | -115.9481667 | 6 | 3.03 | ci3365683 |
| 1941-06-30T15:57:14.260Z | 33.228 | -115.7571667 | 6 | 3.63 | ci3365640 |
| 1941-06-30T15:35:25.020Z | 33.221 | -115.9498333 | 6 | 3.07 | ci3365639 |
| 1941-06-30T15:34:35.440Z | 33.139 | -116.1493333 | 6 | 3.06 | ci3365638 |
| 1941-06-27T16:35:28.920Z | 33.31 | -116.1581667 | 6 | 3.33 | ci3365635 |
| 1941-04-23T05:24:27.560Z | 34.103 | -116.5128333 | 6 | 3 | ci3365607 |
| 1941-03-21T03:13:57.780Z | 33.7086667 | -117.4758333 | 6 | 3.13 | ci3365586 |
| 1941-03-13T16:06:53.780Z | 33.5733333 | -115.4898333 | 6 | 3.31 | ci3365580 |
| 1941-02-23T18:36:14.300Z | 33.5148333 | -116.434 | 6 | 4.29 | ci3365567 |
| 1941-01-17T16:15:03.090Z | 33.5015 | -116.543 | 0.66 | 3.17 | ci3365535 |
| 1940-12-09T08:20:27.440Z | 34.0023333 | -116.6688333 | 6 | 3.59 | ci3365517 |
| 1940-12-04T22:15:37.130Z | 33.3731667 | -116.514 | 7.73 | 3.11 | ci3365513 |
| 1940-11-29T08:20:27.520Z | 34.5205 | -116.6818333 | 6 | 3.04 | ci3365509 |
| 1940-11-23T05:52:58.310Z | 33.1918333 | -115.9996667 | 6 | 3.52 | ci3365503 |
| 1940-11-09T06:56:51.140Z | 34.2173333 | -117.074 | 0.82 | 3.21 | ci3365495 |
| 1940-10-26T11:21:23.220Z | 33.1438333 | -116.1285 | 6 | 3.22 | ci3365486 |
| 1940-10-21T07:19:45.250Z | 33.144 | -116.2191667 | 6 | 3.29 | ci3365483 |
| 1940-10-21T06:49:33.810Z | 33.1763333 | -116.41 | 6 | 4.06 | ci3365482 |
| 1940-10-16T17:52:12.270Z | 33.1383333 | -115.9485 | 6 | 3.69 | ci3365477 |
| 1940-10-13T11:54:50.830Z | 32.9375 | -116.3233333 | 6 | 3.16 | ci3365474 |
| 1940-10-11T03:38:15.620Z | 34.3275 | -116.7811667 | 6 | 3.02 | ci3365467 |
| 1940-10-08T00:39:47.920Z | 33.15 | -115.95 | 6 | 3.04 | ci3365461 |
| 1940-10-06T18:19:52.850Z | 33.1746667 | -115.9408333 | 6 | 4.12 | ci3365459 |
| 1940-10-01T06:25:13.870Z | 32.9791667 | -116.5473333 | 6 | 3 | ci3365457 |
| 1940-09-19T01:33:10.810Z | 34.0585 | -116.3738333 | 6 | 3.62 | ci3365454 |
| 1940-09-05T09:33:12.410Z | 34.0233333 | -116.3783333 | 6 | 3.11 | ci3365443 |
| 1940-08-04T18:15:26.690Z | 34.257 | -116.6781667 | 6 | 3.48 | ci3365421 |
| 1940-08-01T19:31:42.070Z | 33.9951667 | -116.3701667 | 6 | 3.68 | ci3365420 |
| 1940-07-29T20:53:24.050Z | 33.1051667 | -115.9591667 | 6 | 3.37 | ci3365419 |
| 1940-07-27T02:50:34.840Z | 34.0443333 | -116.3671667 | 6 | 3.47 | ci3365417 |
| 1940-07-21T08:36:02.510Z | 33.0981667 | -115.8691667 | 6 | 4.25 | ci3365409 |
| 1940-07-14T00:01:43.460Z | 33.141 | -115.8761667 | 6 | 3.82 | ci3365402 |
| 1940-07-13T22:50:49.400Z | 33.1143333 | -115.8723333 | 6 | 3.45 | ci3365401 |
| 1940-07-13T17:45:07.590Z | 33.1313333 | -115.7788333 | 6 | 3.67 | ci3365400 |
| 1940-07-13T16:39:22.400Z | 33.114 | -115.8315 | 6 | 3.88 | ci3365399 |
| 1940-07-07T01:50:52.810Z | 34.0763333 | -117.3091667 | 11.94 | 3.56 | ci3365394 |

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|---|---|---|---|---|---|
| 1940-06-29T11:05:26.100Z | 33.9218333 | -116.614 | 6 | 3.04 | ci3365390 |
| 1940-06-28T00:44:42.680Z | 33.333 | -116.7308333 | 0.04 | 3.14 | ci3365387 |
| 1940-06-24T16:39:40.260Z | 34.0323333 | -116.547 | 6 | 3.86 | ci3365380 |
| 1940-06-23T07:07:08.410Z | 34.0881667 | -116.1713333 | 6 | 3.7 | ci3365378 |
| 1940-06-19T17:46:05.400Z | 33.3853333 | -116.594 | 6 | 3.14 | ci3365374 |
| 1940-06-19T03:09:51.310Z | 33.999 | -116.244 | 6 | 3.21 | ci3365373 |
| 1940-06-18T06:14:32.710Z | 34.0963333 | -116.2073333 | 6 | 3.89 | ci3365372 |
| 1940-06-14T21:58:51.190Z | 34.0898333 | -116.3405 | 6 | 3.78 | ci3365367 |
| 1940-06-14T13:57:43.610Z | 34.0698333 | -116.4463333 | 6 | 3.4 | ci3365366 |
| 1940-06-13T16:54:02.740Z | 33.9723333 | -116.5253333 | 6 | 3.04 | ci3365364 |
| 1940-06-11T20:35:33.480Z | 34.0171667 | -116.3788333 | 6 | 3.22 | ci3365363 |
| 1940-06-11T19:51:19.910Z | 34.0428333 | -116.3485 | 6 | 4.35 | ci3365362 |
| 1940-06-11T02:35:17.280Z | 33.814 | -116.4406667 | 6 | 3.12 | ci3365360 |
| 1940-06-08T17:10:34.160Z | 34.0546667 | -116.3576667 | 6 | 3.91 | ci3365359 |
| 1940-06-07T21:46:15.810Z | 33.9916667 | -116.3151667 | 6 | 3.47 | ci3365357 |
| 1940-06-07T21:28:25.800Z | 33.206 | -116.4438333 | 0.14 | 3.04 | ci3365356 |
| 1940-06-07T15:35:36.400Z | 34.038 | -116.348 | 6 | 3.62 | ci3365355 |
| 1940-06-07T02:24:11.420Z | 33.7581667 | -116.3595 | 6 | 3.04 | ci3365350 |
| 1940-06-07T02:10:35.520Z | 33.7545 | -116.403 | 6 | 3.28 | ci3365349 |
| 1940-06-06T23:56:39.010Z | 33.9703333 | -116.3441667 | 6 | 4.32 | ci3365348 |
| 1940-06-06T23:47:52.340Z | 34.1983333 | -116.4208333 | 6 | 3.58 | ci3365347 |
| 1940-06-06T23:21:05.640Z | 33.2105 | -116.4551667 | 6 | 3.98 | ci3365345 |
| 1940-06-06T22:21:17.450Z | 33.9695 | -116.3803333 | 6 | 4.19 | ci3365344 |
| 1940-06-06T21:07:25.430Z | 34.015 | -116.3488333 | 6 | 3.07 | ci3365343 |
| 1940-06-06T14:09:57.480Z | 34.015 | -116.35 | 6 | 3.21 | ci3365342 |
| 1940-06-05T08:27:27.120Z | 33.8243333 | -117.2881667 | 13.76 | 3.49 | ci3365337 |
| 1940-06-04T11:56:58.310Z | 33.7066667 | -116.0588333 | 6 | 3.5 | ci3365334 |
| 1940-06-04T11:14:40.540Z | 33.108 | -116.316 | 6 | 3.29 | ci3365333 |
| 1940-06-04T10:49:34.860Z | 33.137 | -116.281 | 6 | 3.39 | ci3365332 |
| 1940-06-04T10:36:29.690Z | 32.967 | -116.3 | 6 | 4.31 | ci3365331 |
| 1940-06-04T10:35:08.120Z | 32.966 | -116.315 | 6 | 5.03 | ci3365330 |
| 1940-06-02T06:13:12.350Z | 34.0383333 | -116.4096667 | 6 | 4.36 | ci3365329 |
| 1940-06-01T08:44:50.630Z | 34.028 | -116.4018333 | 6 | 3.03 | ci3365324 |
| 1940-06-01T06:54:28.090Z | 34.1523333 | -116.216 | 6 | 4.37 | ci3365323 |
| 1940-06-01T05:56:46.360Z | 34.1395 | -116.2311667 | 6 | 3.95 | ci3365322 |
| 1940-06-01T05:27:01.920Z | 34.1055 | -116.2716667 | 6 | 4.56 | ci3365321 |
| 1940-05-28T08:03:51.130Z | 34.0416667 | -116.3845 | 6 | 3.18 | ci3365320 |
| 1940-05-27T15:37:05.210Z | 33.6823333 | -116.4273333 | 6 | 3.32 | ci10084710 |
| 1940-05-27T03:27:28.570Z | 34.0131667 | -116.3295 | 6 | 3.99 | ci3365318 |
| 1940-05-24T15:04:50.640Z | 34.0591667 | -116.426 | 6 | 3.19 | ci3365317 |
| 1940-05-23T13:31:05.300Z | 34.0205 | -117.1835 | 6 | 3.26 | ci3365316 |
| 1940-05-23T06:39:46.410Z | 33.8188333 | -117.3301667 | 6 | 3.19 | ci3365315 |
| 1940-05-22T14:10:08.580Z | 34.1036667 | -116.3601667 | 6 | 3.92 | ci3365310 |

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|---|---|---|---|---|---|
| 1940-05-22T06:31:39.680Z | 33.98 | -116.3518333 | 6 | 3.68 | ci3365308 |
| 1940-05-22T06:03:56.760Z | 34.0351667 | -116.3281667 | 6 | 3.26 | ci3365307 |
| 1940-05-22T05:24:43.430Z | 34.027 | -116.3958333 | 6 | 3.28 | ci3365306 |
| 1940-05-19T19:39:43.080Z | 34.0875 | -116.307 | 6 | 4.25 | ci3365298 |
| 1940-05-19T13:06:44.690Z | 34.0266667 | -116.3401667 | 6 | 3.98 | ci3365294 |
| 1940-05-19T03:51:47.190Z | 34.0306667 | -116.329 | 6 | 3.57 | ci3365278 |
| 1940-05-19T02:27:32.550Z | 33.9736667 | -116.3943333 | 6 | 4.04 | ci3365277 |
| 1940-05-19T02:26:03.120Z | 34.0518333 | -116.2788333 | 6 | 4.32 | ci3365276 |
| 1940-05-18T13:47:21.770Z | 33.9973333 | -116.362 | 6 | 4.17 | ci3365275 |
| 1940-05-18T07:21:34.470Z | 34.0258333 | -116.3145 | 6 | 4.96 | ci3365272 |
| 1940-05-18T06:04:31.790Z | 34.042 | -116.2618333 | 6 | 4.52 | ci3365271 |
| 1940-05-18T05:51:21.940Z | 34.037 | -116.3065 | 6 | 5.2 | ci3365270 |
| 1940-05-18T05:03:59.660Z | 34.089 | -116.2818333 | 6 | 5.31 | ci3365269 |
| 1940-05-10T14:46:40.010Z | 33.7863333 | -116.1788333 | 6 | 3.64 | ci3365268 |
| 1940-05-07T21:33:42.620Z | 33.9988333 | -116.3315 | 6 | 3.09 | ci3365266 |
| 1940-04-18T18:43:45.220Z | 34.0476667 | -117.3331667 | 11.66 | 4.29 | ci3365255 |
| 1940-04-18T01:03:16.060Z | 33.2175 | -116.5555 | 2.53 | 3.15 | ci3365254 |
| 1940-04-13T03:55:08.670Z | 34.066 | -117.2261667 | 14.94 | 3.05 | ci3365253 |
| 1940-03-21T01:21:08.930Z | 33.8825 | -117.0615 | 11.58 | 3.21 | ci3365246 |
| 1940-03-20T10:22:21.580Z | 33.1016667 | -116.0076667 | 6 | 3.22 | ci3365245 |
| 1940-03-05T17:06:05.440Z | 34.0705 | -117.313 | 6 | 3.16 | ci3365238 |
| 1940-03-03T14:27:17.080Z | 33.9206667 | -117.0063333 | 15.95 | 3.25 | ci3365237 |
| 1940-02-28T17:28:06.820Z | 33.1496667 | -115.9828333 | 6 | 4.55 | ci3365234 |
| 1940-02-22T10:38:01.110Z | 34.0291667 | -117.0293333 | 14.08 | 3.47 | ci3365229 |
| 1940-02-19T12:17:30.420Z | 34.0471667 | -117.0275 | 12.69 | 3.02 | ci3365228 |
| 1940-02-19T12:06:56.570Z | 34.0668333 | -117.0098333 | 20 | 4.39 | ci3365227 |
| 1940-02-11T15:47:36.800Z | 33.8091667 | -116.8553333 | 6 | 3.3 | ci3365222 |
| 1940-02-09T11:48:46.280Z | 33.4006667 | -115.8183333 | 6 | 3.55 | ci3365220 |
| 1940-02-09T11:11:31.250Z | 33.36 | -115.737 | 6 | 3.42 | ci3365218 |
| 1940-02-09T01:53:01.030Z | 33.1833333 | -116.153 | 6 | 3.26 | ci3365216 |
| 1940-02-08T05:39:20.860Z | 33.559 | -115.6061667 | 6 | 3.12 | ci3365213 |
| 1940-01-29T01:59:10.720Z | 33.1828333 | -116.3073333 | 6 | 3.06 | ci3365210 |
| 1940-01-19T10:06:00.670Z | 33.779 | -116.151 | 6 | 3.18 | ci3365207 |
| 1940-01-16T18:56:02.740Z | 34.2485 | -116.6365 | 6 | 3.31 | ci3365200 |
| 1940-01-07T07:12:43.400Z | 33.3976667 | -115.755 | 6 | 3.31 | ci3365194 |
| 1940-01-07T05:03:05.730Z | 33.3281667 | -115.5415 | 6 | 3.32 | ci3365193 |
| 1940-01-05T08:42:55.570Z | 33.1731667 | -116.3673333 | 6 | 3.42 | ci3365192 |
| 1940-01-04T08:07:10.570Z | 33.223 | -116.1878333 | 6 | 4.01 | ci3365190 |
| 1939-12-14T13:17:21.640Z | 33.1831667 | -116.412 | 6 | 3.28 | ci3365170 |
| 1939-12-05T17:33:52.280Z | 33.1733333 | -116.3376667 | 6 | 3.76 | ci3365163 |
| 1939-11-28T10:20:28.810Z | 33.1733333 | -116.0026667 | 6 | 3.31 | ci3365158 |
| 1939-11-27T04:12:23.610Z | 33.1761667 | -116.4375 | 6 | 3.04 | ci3365157 |
| 1939-11-13T22:12:16.930Z | 33.3423333 | -116.3393333 | 6 | 3.01 | ci3365151 |

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|---|---|---|---|---|---|
| 1939-11-07T18:52:09.680Z | 34.0371667 | -117.251 | 17.39 | 4.45 | ci3365145 |
| 1939-11-03T22:10:49.890Z | 34.2963333 | -116.793 | 6 | 3.01 | ci3365139 |
| 1939-10-12T17:47:55.580Z | 34.3398333 | -116.5475 | 6 | 3.13 | ci3365122 |
| 1939-09-28T18:41:56.900Z | 33.929 | -116.6425 | 6 | 3.39 | ci3365108 |
| 1939-09-10T17:45:58.190Z | 34.0438333 | -116.2945 | 6 | 3.3 | ci3365097 |
| 1939-08-20T02:47:07.530Z | 33.1721667 | -116.4781667 | 6 | 3.29 | ci3365079 |
| 1939-08-06T16:25:43.060Z | 34.2596667 | -116.591 | 6 | 3.1 | ci3365072 |
| 1939-07-04T12:52:19.850Z | 34.0048333 | -116.6831667 | 6 | 3.65 | ci3365055 |
| 1939-05-30T04:09:18.590Z | 33.9115 | -117.44 | 0.02 | 3.09 | ci3365018 |
| 1939-05-24T17:15:44.310Z | 34.1856667 | -116.9653333 | 7.73 | 3.49 | ci3365011 |
| 1939-05-12T19:25:04.840Z | 33.4598333 | -116.528 | 6 | 4.35 | ci3364998 |
| 1939-04-03T02:50:41.660Z | 34.2121667 | -117.0791667 | 6 | 3.74 | ci3364945 |
| 1939-03-02T13:13:06.870Z | 34.2003333 | -116.5843333 | 6 | 3.49 | ci3364914 |
| 1939-02-18T18:47:38.530Z | 33.9161667 | -116.675 | 6 | 3.04 | ci3364894 |
| 1939-02-07T15:21:28.560Z | 33.0906667 | -115.7756667 | 6 | 3.45 | ci3364882 |
| 1939-02-03T02:29:28.390Z | 33.7101667 | -116.114 | 6 | 3.26 | ci3364878 |
| 1939-01-27T22:04:33.680Z | 33.4153333 | -115.9805 | 6 | 3.12 | ci3364873 |
| 1939-01-12T19:04:21.070Z | 33.92 | -116.6573333 | 6 | 3.27 | ci3364856 |
| 1939-01-12T16:00:10.620Z | 33.0071667 | -116.5498333 | 6 | 3.23 | ci3364855 |
| 1939-01-04T10:49:08.530Z | 34.2326667 | -117.0653333 | 6 | 3.21 | ci3364848 |
| 1938-12-17T13:20:40.580Z | 33.942 | -117.336 | 23.24 | 3.11 | ci3364831 |
| 1938-12-04T03:26:52.630Z | 33.8138333 | -116.9445 | 6 | 3.17 | ci3364816 |
| 1938-11-15T08:23:17.040Z | 34.3803333 | -116.2781667 | 6 | 3.03 | ci3364797 |
| 1938-10-29T07:38:09.760Z | 33.4393333 | -116.4931667 | 6 | 3.11 | ci3364790 |
| 1938-10-23T00:47:09.640Z | 33.9593333 | -117.0951667 | 11 | 3.45 | ci3364787 |
| 1938-10-03T11:56:50.350Z | 33.156 | -116.1781667 | 6 | 3.19 | ci3364776 |
| 1938-09-19T13:07:53.440Z | 33.226 | -116.191 | 6 | 3.56 | ci3364758 |
| 1938-09-19T11:39:33.430Z | 33.6045 | -116.1358333 | 6 | 3 | ci3364757 |
| 1938-09-19T02:53:09.270Z | 33.5615 | -116.0598333 | 6 | 3.24 | ci3364755 |
| 1938-08-06T02:28:07.850Z | 33.8913333 | -116.7148333 | 6 | 3.69 | ci3364723 |
| 1938-08-02T07:12:48.620Z | 33.2848333 | -116.839 | 6 | 3.71 | ci3364716 |
| 1938-07-25T01:21:58.100Z | 34.0146667 | -116.9731667 | 12.49 | 3.18 | ci3364704 |
| 1938-07-17T18:22:22.700Z | 33.6776667 | -117.4641667 | 6 | 3.31 | ci3364695 |
| 1938-07-10T18:06:18.960Z | 33.15 | -116.283 | 6 | 4.24 | ci3364690 |
| 1938-07-10T16:10:32.250Z | 33.1721667 | -116.3886667 | 6 | 3.37 | ci3364689 |
| 1938-07-04T21:59:46.880Z | 32.9746667 | -116.112 | 6 | 3.9 | ci3364685 |
| 1938-06-29T17:01:27.670Z | 33.3735 | -115.5641667 | 6 | 3.42 | ci3364676 |
| 1938-06-29T14:56:45.460Z | 33.485 | -115.4365 | 6 | 3.39 | ci3364675 |
| 1938-06-29T10:40:00.460Z | 33.4 | -115.6 | 6 | 4.21 | ci3364670 |
| 1938-06-29T10:25:04.300Z | 33.4091667 | -116.2493333 | 6 | 3.8 | ci3364672 |
| 1938-06-29T10:19:36.110Z | 33.4 | -115.6 | 6 | 3.29 | ci3364673 |
| 1938-06-25T05:46:16.570Z | 33.9435 | -116.4368333 | 6 | 3.63 | ci3364666 |
| 1938-06-23T22:11:10.730Z | 34.1645 | -117.046 | 6 | 3.24 | ci3364664 |

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|---|---|---|---|---|---|
| 1938-06-16T05:59:14.610Z | 33.4838333 | -116.725 | 6 | 3.89 | ci3364653 |
| 1938-06-10T14:40:59.090Z | 34.219 | -116.8003333 | 6 | 3.93 | ci3364648 |
| 1938-05-27T22:22:52.940Z | 34.0655 | -116.6311667 | 6 | 3.18 | ci3364623 |
| 1938-05-27T22:01:11.370Z | 34.2705 | -116.8671667 | 6 | 3.41 | ci3364621 |
| 1938-05-17T00:43:43.510Z | 34.1851667 | -117.0515 | 6 | 3.16 | ci3364618 |
| 1938-05-15T16:18:31.620Z | 33.0348333 | -116.2188333 | 6 | 3.01 | ci3364613 |
| 1938-04-25T11:01:58.580Z | 33.4211667 | -116.5066667 | 6 | 3.23 | ci3364599 |
| 1938-04-24T08:19:14.860Z | 34.0965 | -116.8238333 | 6 | 3.04 | ci3364598 |
| 1938-04-16T02:23:46.790Z | 33.8676667 | -116.7911667 | 6 | 3.37 | ci3364590 |
| 1938-04-12T22:21:59.230Z | 33.2061667 | -116.1411667 | 6 | 3.1 | ci3364583 |
| 1938-03-31T17:03:42.240Z | 34.638 | -116.1936667 | 6 | 4.07 | ci3364564 |
| 1938-03-25T20:03:16.320Z | 33.7725 | -116.4563333 | 6 | 3.06 | ci3364563 |
| 1938-03-12T21:47:30.730Z | 33.168 | -116.5388333 | 6 | 3.56 | ci3364558 |
| 1938-02-26T06:40:27.010Z | 33.2813333 | -116.0068333 | 6 | 3.17 | ci3364551 |
| 1938-02-15T07:56:15.110Z | 34.1386667 | -116.1981667 | 6 | 3.42 | ci3364544 |
| 1938-02-15T07:45:38.130Z | 34.2163333 | -116.1655 | 6 | 4.27 | ci3364543 |
| 1938-02-08T07:39:25.120Z | 34.1596667 | -116.1143333 | 6 | 4.05 | ci3364538 |
| 1938-01-20T13:05:27.850Z | 33.2 | -116 | 6 | 3.06 | ci3364527 |
| 1938-01-10T11:52:54.440Z | 33.471 | -116.548 | 6 | 3.24 | ci3364515 |
| 1938-01-09T12:30:36.050Z | 33.7265 | -116.8036667 | 6 | 3.02 | ci3364514 |
| 1938-01-04T00:29:22.650Z | 33.383 | -116.382 | 6 | 4.41 | ci3364507 |
| 1938-01-04T00:29:00.000Z | 33.466 | -116.583 | 16 | 4.5 | ushis1188 |
| 1937-12-11T18:06:23.970Z | 33.7091667 | -117.1365 | 6 | 3.16 | ci3364483 |
| 1937-11-29T23:52:46.820Z | 33.4315 | -116.4221667 | 6 | 3.27 | ci3364469 |
| 1937-11-24T21:37:47.020Z | 34.0175 | -117.2815 | 12.88 | 3.15 | ci3364462 |
| 1937-11-18T07:40:12.450Z | 33.2133333 | -116.0851667 | 6 | 3.09 | ci3364452 |
| 1937-11-16T12:27:39.600Z | 33.9018333 | -116.6115 | 6 | 3.38 | ci3364451 |
| 1937-11-16T10:57:49.880Z | 33.247 | -116.1555 | 6 | 3.9 | ci3364450 |
| 1937-10-22T23:51:09.240Z | 33.1315 | -116.6048333 | 6 | 3.05 | ci3364435 |
| 1937-09-02T00:07:17.260Z | 33.8145 | -115.961 | 6 | 3.18 | ci3364383 |
| 1937-08-31T23:52:29.590Z | 33.8636667 | -117.2083333 | 5.04 | 3.34 | ci3364377 |
| 1937-08-15T02:02:47.590Z | 33.473 | -116.5113333 | 6 | 3.32 | ci3364350 |
| 1937-08-14T22:45:03.860Z | 33.4668333 | -116.5065 | 6 | 3 | ci3364348 |
| 1937-08-12T02:13:15.340Z | 33.5036667 | -116.5578333 | 6 | 3.02 | ci3364346 |
| 1937-06-29T19:45:44.030Z | 33.3676667 | -116.4146667 | 6 | 3.05 | ci3364300 |
| 1937-06-11T04:09:43.020Z | 33.9105 | -116.5755 | 6 | 3.39 | ci3364282 |
| 1937-06-06T01:09:28.550Z | 33.6306667 | -115.8563333 | 6 | 3.05 | ci3364270 |
| 1937-06-01T15:41:43.020Z | 34.589 | -116.5011667 | 6 | 3.59 | ci3364263 |
| 1937-04-09T15:03:47.820Z | 33.469 | -116.5855 | 6 | 3.24 | ci3364209 |
| 1937-04-07T21:32:22.770Z | 33.4423333 | -116.447 | 6 | 3.27 | ci3364208 |
| 1937-04-06T17:44:28.910Z | 33.4456667 | -116.5606667 | 6 | 3.15 | ci3364206 |
| 1937-04-05T18:56:14.060Z | 33.7365 | -116.9888333 | 6 | 3.1 | ci3364203 |
| 1937-04-05T14:02:57.760Z | 33.423 | -116.4518333 | 6 | 3.18 | ci3364202 |

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|---|---|---|---|---|---|
| 1937-03-29T17:03:15.610Z | 33.4046667 | -116.3903333 | 6 | 3.71 | ci3364196 |
| 1937-03-29T01:48:34.260Z | 33.9853333 | -116.7776667 | 6 | 3.17 | ci3364193 |
| 1937-03-28T23:30:41.970Z | 33.6943333 | -116.8798333 | 6 | 3.23 | ci3364192 |
| 1937-03-27T21:50:04.060Z | 33.4426667 | -116.461 | 6 | 3.65 | ci3364190 |
| 1937-03-27T12:27:26.020Z | 33.4558333 | -116.4715 | 6 | 3.44 | ci3364189 |
| 1937-03-27T07:42:19.720Z | 33.4575 | -116.4093333 | 6 | 4.45 | ci3364188 |
| 1937-03-27T07:42:00.000Z | 33.466 | -116.583 | 16 | 4.5 | ushis1169 |
| 1937-03-27T06:07:14.730Z | 33.4543333 | -116.4848333 | 6 | 3.07 | ci3364186 |
| 1937-03-27T05:28:43.560Z | 33.4615 | -116.4673333 | 6 | 3.78 | ci3364185 |
| 1937-03-27T05:24:20.150Z | 33.4231667 | -116.4465 | 6 | 3.39 | ci3364184 |
| 1937-03-26T21:24:57.000Z | 33.4715 | -116.555 | 6 | 3.74 | ci3364182 |
| 1937-03-26T21:17:33.200Z | 33.4651667 | -116.5608333 | 6 | 3.05 | ci3364181 |
| 1937-03-26T10:34:04.780Z | 33.4356667 | -116.583 | 6 | 3.2 | ci3364179 |
| 1937-03-26T08:06:21.000Z | 33.4301667 | -116.4841667 | 6 | 3.27 | ci3364178 |
| 1937-03-26T00:10:47.190Z | 33.4198333 | -116.5133333 | 6 | 3.42 | ci3364176 |
| 1937-03-25T23:20:27.270Z | 33.4355 | -116.5271667 | 6 | 3.86 | ci3364175 |
| 1937-03-25T20:04:08.340Z | 33.473 | -116.4473333 | 6 | 4.03 | ci3364174 |
| 1937-03-25T19:45:59.980Z | 33.7011667 | -116.3793333 | 6 | 3.09 | ci3364173 |
| 1937-03-25T18:43:20.100Z | 33.445 | -116.5273333 | 6 | 3.06 | ci3364172 |
| 1937-03-25T18:42:11.530Z | 33.4735 | -116.5496667 | 6 | 3.39 | ci3364171 |
| 1937-03-25T18:12:16.460Z | 33.4585 | -116.543 | 6 | 3.46 | ci3364169 |
| 1937-03-25T18:04:30.320Z | 33.4556667 | -116.5503333 | 6 | 3.08 | ci3364168 |
| 1937-03-25T17:54:35.730Z | 33.7835 | -116.3335 | 6 | 3.65 | ci3364167 |
| 1937-03-25T17:47:09.610Z | 33.4583333 | -116.455 | 6 | 3.46 | ci3364166 |
| 1937-03-25T17:12:07.770Z | 33.3861667 | -116.4088333 | 6 | 3.09 | ci3364165 |
| 1937-03-25T17:02:41.080Z | 33.4493333 | -116.5425 | 6 | 3.02 | ci3364163 |
| 1937-03-25T16:49:02.180Z | 33.4 | -116.25 | 6 | 6 | ci3364162 |
| 1937-03-09T23:44:33.560Z | 33.1825 | -116.2118333 | 6 | 3.08 | ci3364151 |
| 1937-03-06T12:43:03.260Z | 33.1155 | -115.7085 | 6 | 3.08 | ci3364146 |
| 1937-03-06T08:42:01.930Z | 34.2926667 | -116.8656667 | 6 | 3.21 | ci3364141 |
| 1937-03-04T16:04:36.080Z | 33.7638333 | -116.2211667 | 6 | 3.49 | ci3364138 |
| 1937-02-26T10:54:30.480Z | 33.991 | -116.5436667 | 6 | 3.35 | ci3364127 |
| 1937-02-06T02:52:14.050Z | 33.7458333 | -116.038 | 6 | 3.77 | ci3364095 |
| 1937-01-20T19:04:00.240Z | 33.8858333 | -116.8703333 | 6 | 3.1 | ci3364086 |
| 1937-01-09T10:41:00.640Z | 33.9495 | -116.8 | 6 | 3.05 | ci3364067 |
| 1936-11-25T00:36:03.770Z | 34.0275 | -116.367 | 6 | 3.27 | ci3363983 |
| 1936-10-24T02:57:00.740Z | 34.0193333 | -117.1486667 | 8.25 | 3.39 | ci3363922 |
| 1936-10-21T00:40:14.620Z | 34.2901667 | -117.0661667 | 6 | 3.29 | ci3363917 |
| 1936-10-14T06:30:10.220Z | 33.7611667 | -116.2598333 | 6 | 3.44 | ci3363901 |
| 1936-09-30T04:51:30.770Z | 33.9306667 | -116.4796667 | 6 | 3.08 | ci3363853 |
| 1936-09-11T09:32:51.930Z | 32.979 | -115.998 | 6 | 3.21 | ci3363801 |
| 1936-09-05T10:24:44.530Z | 33.4856667 | -116.7638333 | 6 | 3.48 | ci3363773 |
| 1936-08-30T08:16:00.420Z | 32.9758333 | -116.4013333 | 6 | 3.62 | ci3363767 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1936-08-19T13:18:33.130Z | 33.4995 | -116.7636667 | 6 | 3.37 | ci3363743 |
| 1936-08-02T08:07:36.610Z | 33.7871667 | -117.2573333 | 3.9 | 3.32 | ci3363729 |
| 1936-07-29T14:22:52.000Z | 33.4883333 | -116.7805 | 6 | 3.7 | ci3363724 |
| 1936-06-21T14:19:21.130Z | 33.5055 | -116.7026667 | 6 | 3.47 | ci3363662 |
| 1936-06-14T23:05:36.790Z | 33.0431667 | -116.001 | 6 | 3.1 | ci3363655 |
| 1936-05-16T13:37:44.200Z | 34.1363333 | -117.346 | 3.68 | 3.09 | ci3363606 |
| 1936-05-07T11:47:27.240Z | 33.2156667 | -116.0251667 | 6 | 4.41 | ci3363596 |
| 1936-05-07T11:47:00.000Z | 33.133 | -116.083 | 16 | 4.5 | ushis1140 |
| 1936-04-24T06:05:25.240Z | 33.8535 | -116.3743333 | 6 | 3.11 | ci3363566 |
| 1936-04-22T05:00:56.570Z | 34.0461667 | -115.8911667 | 6 | 3.25 | ci3363562 |
| 1936-04-13T18:13:20.200Z | 33.1421667 | -116.6586667 | 6 | 3.3 | ci3363545 |
| 1936-04-09T13:17:55.060Z | 33.9353333 | -116.6313333 | 6 | 3.02 | ci3363537 |
| 1936-03-19T16:39:55.870Z | 33.4576667 | -116.6655 | 6 | 3.61 | ci3363501 |
| 1936-02-26T09:33:27.290Z | 34.1778333 | -117.3333333 | 0 | 3.98 | ci3363470 |
| 1936-02-23T22:20:42.300Z | 34.0308333 | -117.3231667 | 19.72 | 4.69 | ci3363468 |
| 1936-02-15T03:30:02.850Z | 33.7246667 | -116.6301667 | 6 | 3.07 | ci3363457 |
| 1936-02-10T09:46:26.530Z | 33.5673333 | -116.648 | 6 | 3.08 | ci3363449 |
| 1936-02-06T18:56:07.140Z | 33.2153333 | -115.9498333 | 6 | 3.27 | ci3363445 |
| 1936-02-06T08:13:41.460Z | 33.4843333 | -116.4673333 | 6 | 3.08 | ci3363444 |
| 1936-02-03T18:10:42.270Z | 34.038 | -116.361 | 6 | 3.3 | ci3363437 |
| 1936-01-27T00:28:52.310Z | 33.5936667 | -116.0568333 | 6 | 3.07 | ci3363426 |
| 1936-01-26T14:13:16.980Z | 33.4438333 | -116.5006667 | 6 | 3.04 | ci3363424 |
| 1936-01-07T06:36:14.540Z | 34.1466667 | -117.3285 | 7.2 | 3.15 | ci3363408 |
| 1936-01-01T06:45:03.920Z | 33.2 | -115.7761667 | 6 | 3.39 | ci3363489 |
| 1935-12-31T02:11:46.700Z | 33.0336667 | -115.8385 | 6 | 3.65 | ci3363382 |
| 1935-12-23T12:07:03.300Z | 33.3306667 | -115.855 | 6 | 3.12 | ci3363369 |
| 1935-12-20T07:21:23.390Z | 33.424 | -116.0233333 | 6 | 3.11 | ci3363358 |
| 1935-12-02T03:19:44.800Z | 33.6113333 | -116.1866667 | 6 | 3.74 | ci3363335 |
| 1935-11-27T14:13:13.730Z | 33.7863333 | -116.8326667 | 6 | 3.3 | ci3363330 |
| 1935-11-27T09:28:48.090Z | 33.6713333 | -116.9368333 | 6 | 3.64 | ci3363329 |
| 1935-11-20T16:16:48.530Z | 34.017 | -116.7748333 | 6 | 3.42 | ci3363317 |
| 1935-11-20T14:37:25.590Z | 33.6913333 | -116.592 | 6 | 3.16 | ci3363314 |
| 1935-11-12T11:45:19.610Z | 33.4813333 | -116.6691667 | 6 | 3.17 | ci3363300 |
| 1935-11-12T07:52:33.610Z | 34.0281667 | -116.7938333 | 6 | 3.24 | ci3363299 |
| 1935-11-10T00:21:06.780Z | 33.5863333 | -116.664 | 6 | 3.25 | ci3363294 |
| 1935-11-08T10:02:05.610Z | 33.5683333 | -116.6953333 | 6 | 3.16 | ci3363293 |
| 1935-11-08T05:54:30.450Z | 34.088 | -116.7495 | 6 | 3.08 | ci3363292 |
| 1935-11-04T09:11:34.830Z | 33.5293333 | -116.7191667 | 6 | 3.09 | ci3363286 |
| 1935-11-04T07:14:40.320Z | 33.5316667 | -116.6853333 | 6 | 3.51 | ci3363285 |
| 1935-11-04T06:57:03.030Z | 33.5673333 | -116.6915 | 6 | 3.12 | ci3363284 |
| 1935-11-04T05:47:52.070Z | 33.5541667 | -116.7153333 | 6 | 3.42 | ci3363283 |
| 1935-11-04T03:55:54.710Z | 33.5068333 | -116.6666667 | 6 | 4.83 | ci3363281 |
| 1935-11-02T17:34:07.680Z | 33.4116667 | -116.4333333 | 6 | 3.66 | ci3363279 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1935-10-25T16:53:31.800Z | 34.086 | -116.72 | 6 | 3.38 | ci3363268 |
| 1935-10-25T07:50:42.410Z | 34.0938333 | -116.7565 | 6 | 3.09 | ci3363266 |
| 1935-10-25T00:22:55.650Z | 34.1045 | -116.7203333 | 6 | 3.1 | ci3363265 |
| 1935-10-24T17:27:24.700Z | 34.1128333 | -117.358 | 5.24 | 3.34 | ci3363258 |
| 1935-10-24T16:16:45.500Z | 34.0631667 | -116.7516667 | 6 | 3.36 | ci3363256 |
| 1935-10-24T16:02:46.360Z | 34.0743333 | -116.756 | 6 | 3.3 | ci3363255 |
| 1935-10-24T15:52:36.070Z | 34.0671667 | -116.7263333 | 6 | 3.34 | ci3363254 |
| 1935-10-24T15:27:57.310Z | 34.099 | -116.7398333 | 6 | 4.19 | ci3363250 |
| 1935-10-24T15:26:33.510Z | 34.0675 | -116.7536667 | 6 | 3.1 | ci3363249 |
| 1935-10-24T15:15:01.040Z | 34.0936667 | -116.742 | 6 | 3.49 | ci3363248 |
| 1935-10-24T15:06:01.540Z | 34.085 | -116.7125 | 6 | 3.23 | ci3363247 |
| 1935-10-24T14:57:16.370Z | 34.062 | -116.745 | 6 | 3.47 | ci3363246 |
| 1935-10-24T14:52:22.210Z | 34.1211667 | -116.7383333 | 6 | 4.61 | ci3363245 |
| 1935-10-24T14:51:05.360Z | 34.0423333 | -116.7286667 | 6 | 4.51 | ci3363261 |
| 1935-10-24T14:48:07.510Z | 34.1061667 | -116.6993333 | 6 | 4.88 | ci3363244 |
| 1935-10-22T15:00:07.590Z | 34.0923333 | -116.7321667 | 6 | 3.42 | ci3363242 |
| 1935-10-18T13:50:28.970Z | 33.1793333 | -116.0981667 | 6 | 3.3 | ci3363238 |
| 1935-10-14T15:50:41.010Z | 33.1463333 | -116.4623333 | 6 | 3.88 | ci3363234 |
| 1935-09-27T18:43:00.820Z | 33.1346667 | -116.1706667 | 6 | 3.01 | ci3363209 |
| 1935-09-04T15:25:43.330Z | 33.4788333 | -116.1161667 | 6 | 3.22 | ci3363160 |
| 1935-09-04T14:10:59.120Z | 33.155 | -116.4565 | 6 | 3.62 | ci3363159 |
| 1935-09-04T14:09:03.840Z | 33.158 | -116.4006667 | 6 | 3.86 | ci3363158 |
| 1935-09-04T14:05:40.700Z | 33.2093333 | -116.4795 | 6 | 3.41 | ci3363156 |
| 1935-09-03T06:47:11.530Z | 34.0233333 | -117.2421667 | 6 | 4.2 | ci3363155 |
| 1935-08-25T11:14:54.160Z | 33.3505 | -116.388 | 6 | 3.16 | ci3363145 |
| 1935-08-23T08:36:39.020Z | 33.896 | -117.056 | 6 | 3.17 | ci3363143 |
| 1935-08-10T21:59:56.920Z | 33.216 | -116.2325 | 6 | 3.35 | ci3363128 |
| 1935-08-08T15:47:26.800Z | 34.0048333 | -116.776 | 6 | 3.04 | ci3363123 |
| 1935-07-15T10:02:25.980Z | 33.5166667 | -116.7511667 | 6 | 3.04 | ci3363084 |
| 1935-07-15T06:29:54.600Z | 33.5698333 | -116.9036667 | 6 | 3.97 | ci3363083 |
| 1935-06-19T11:21:59.230Z | 33.7368333 | -117.4786667 | 6 | 3.25 | ci3363035 |
| 1935-06-19T11:17:08.350Z | 33.7358333 | -117.4693333 | 6 | 4.44 | ci3363034 |
| 1935-06-07T16:33:56.740Z | 33.2858333 | -116.85 | 6 | 3.75 | ci3363013 |
| 1935-05-27T08:43:54.630Z | 33.5018333 | -116.5076667 | 6 | 3.24 | ci3362993 |
| 1935-04-15T04:21:35.410Z | 33.1623333 | -116.1331667 | 6 | 3.12 | ci3362886 |
| 1935-04-07T09:32:02.500Z | 33.4596667 | -116.4561667 | 6 | 3.52 | ci3362877 |
| 1935-03-15T02:25:42.610Z | 33.681 | -117.3043333 | 6 | 3.16 | ci3362841 |
| 1935-03-12T13:51:55.130Z | 33.6888333 | -116.7025 | 6 | 3.15 | ci3362837 |
| 1935-03-10T06:16:43.880Z | 34.0371667 | -116.3955 | 6 | 3.21 | ci3362833 |
| 1935-03-05T21:51:56.120Z | 34.0311667 | -116.4343333 | 6 | 3.14 | ci3362818 |
| 1935-02-25T15:57:05.090Z | 33.2003333 | -115.9646667 | 6 | 3.05 | ci3362787 |
| 1935-01-29T21:04:34.090Z | 33.3078333 | -116.2341667 | 6 | 3.05 | ci3362725 |
| 1935-01-01T13:22:59.850Z | 33.9455 | -116.7281667 | 6 | 3.5 | ci3362675 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1934-11-15T07:17:25.870Z | 33.1475 | -116.1773333 | 6 | 3.43 | ci3362671 |
| 1934-11-13T20:41:47.000Z | 33.7003333 | -117.1455 | 6 | 3.06 | ci3362553 |
| 1934-11-01T18:51:43.340Z | 33.2821667 | -115.5423333 | 6 | 3.3 | ci3362539 |
| 1934-11-01T18:19:59.780Z | 33.2938333 | -115.6233333 | 6 | 3.32 | ci3362538 |
| 1934-10-30T04:51:45.860Z | 33.517 | -116.8825 | 6 | 3.22 | ci3362531 |
| 1934-10-28T05:47:37.610Z | 33.3928333 | -116.6865 | 6 | 3.42 | ci3362528 |
| 1934-10-22T02:24:53.010Z | 32.9453333 | -116.5068333 | 6 | 3.39 | ci3362514 |
| 1934-10-02T12:41:51.970Z | 33.044 | -116.401 | 6 | 3.21 | ci3362450 |
| 1934-09-18T22:27:22.700Z | 33.667 | -116.522 | 6 | 3.12 | ci3362425 |
| 1934-08-14T11:29:04.460Z | 33.7003333 | -115.9123333 | 6 | 3.69 | ci3362339 |
| 1934-06-26T01:22:43.390Z | 34.038 | -116.068 | 6 | 3.09 | ci3362263 |
| 1934-06-23T10:53:48.480Z | 33.2591667 | -116.5511667 | 6 | 3.47 | ci3362257 |
| 1934-06-02T21:15:42.890Z | 33.122 | -116.067 | 6 | 3.53 | ci3362208 |
| 1934-05-20T09:43:09.750Z | 33.939 | -116.8068333 | 6 | 3.25 | ci3362175 |
| 1934-04-27T18:35:26.220Z | 33.2458333 | -115.6981667 | 6 | 3.31 | ci3362124 |
| 1934-04-10T22:04:29.810Z | 33.1785 | -115.6391667 | 6 | 3 | ci3362091 |
| 1934-04-07T13:43:09.810Z | 33.086 | -115.9803333 | 6 | 3.39 | ci3362083 |
| 1934-03-11T01:59:23.460Z | 33.114 | -115.9458333 | 6 | 3.05 | ci3362051 |
| 1934-03-02T21:30:23.430Z | 33.1268333 | -115.8256667 | 6 | 4.62 | ci3362026 |
| 1934-03-02T21:18:30.540Z | 33.1463333 | -115.9336667 | 6 | 3.4 | ci3362025 |
| 1934-03-01T20:25:00.930Z | 33.0528333 | -116.0113333 | 6 | 3.18 | ci3362022 |
| 1934-02-24T01:11:46.870Z | 33.954 | -116.317 | 15.38 | 3.53 | ci3362006 |
| 1934-02-20T10:35:05.730Z | 33.4486667 | -116.5723333 | 6 | 3.76 | ci3362002 |
| 1934-02-07T09:27:33.340Z | 33.554 | -116.5006667 | 6 | 3.35 | ci3361955 |
| 1934-01-26T18:44:26.150Z | 34.2345 | -116.369 | 6 | 3.69 | ci3361856 |
| 1934-01-13T22:26:04.040Z | 33.6605 | -116.7148333 | 6 | 3.45 | ci3361824 |
| 1933-12-06T15:01:55.470Z | 33.9391667 | -116.772 | 6 | 3.28 | ci3361722 |
| 1933-11-26T02:40:56.570Z | 34.23 | -115.8163333 | 6 | 3.44 | ci3361704 |
| 1933-10-21T04:06:11.080Z | 33.4273333 | -116.8045 | 6 | 3.43 | ci3361571 |
| 1933-10-05T20:20:22.570Z | 33.4595 | -116.738 | 6 | 3 | ci3361484 |
| 1933-10-05T10:45:27.220Z | 34.0216667 | -117.206 | 14.79 | 3.9 | ci3361474 |
| 1933-09-15T03:27:43.050Z | 33.8145 | -116.3601667 | 6 | 3.73 | ci3361298 |
| 1933-09-14T14:05:52.370Z | 33.1153333 | -116.7255 | 6 | 3.05 | ci3361295 |
| 1933-09-09T13:53:17.820Z | 33.5865 | -117.2243333 | 6 | 3.1 | ci3361273 |
| 1933-08-07T23:20:31.720Z | 33.7118333 | -116.1745 | 6 | 3.02 | ci3361108 |
| 1933-08-06T03:32:32.200Z | 33.2725 | -116.1936667 | 6 | 4.64 | ci3361104 |
| 1933-08-05T23:31:14.910Z | 33.284 | -116.0361667 | 6 | 4.42 | ci3361103 |
| 1933-08-01T03:58:39.190Z | 33.8716667 | -116.1235 | 6 | 3.12 | ci3361088 |
| 1933-07-23T22:59:54.090Z | 33.2093333 | -116.282 | 6 | 3.45 | ci10087178 |
| 1933-07-22T22:11:04.750Z | 33.9895 | -116.4421667 | 6 | 3.34 | ci3361023 |
| 1933-06-29T21:58:10.950Z | 34.094 | -117.2173333 | 6 | 3.06 | ci3360835 |
| 1933-04-15T06:52:00.060Z | 33.5 | -116.75 | 6 | 3.01 | ci3360391 |
| 1933-04-04T21:27:00.080Z | 33.977 | -116.533 | 6 | 3.62 | ci3360360 |

**HISTORICAL EARTHQUAKES 1932 TO PRESENT**
**MAGNITUDE > 3.0 (100 KILOMETER SEARCH RADIUS)**
**UNITED STATES GEOLOGICAL SURVEY (2023)**

| DATE/TIME | LATITUDE | LONGITUDE | DEPTH | MAGNITUDE | ID |
|---|---|---|---|---|---|
| 1933-03-08T10:58:25.740Z | 33.5 | -116.75 | 6 | 3.14 | ci3359735 |
| 1933-02-13T16:29:00.040Z | 33.205 | -116.448 | 6 | 3.27 | ci3359663 |
| 1933-01-31T11:23:11.190Z | 33.93 | -116.328 | 6 | 3.07 | ci3359657 |
| 1933-01-25T14:44:23.630Z | 34.096 | -116.438 | 6 | 4.08 | ci3359560 |
| 1933-01-24T22:54:43.550Z | 33.804 | -116.745 | 6 | 3.2 | ci3359559 |
| 1933-01-18T19:20:57.140Z | 33.253 | -116.131 | 6 | 3.38 | ci3359558 |
| 1933-01-08T19:28:25.440Z | 33.288 | -115.968 | 6 | 3.45 | ci3359531 |
| 1932-12-29T19:31:33.810Z | 33.257 | -116.03 | 6 | 3.37 | ci3359494 |
| 1932-12-24T03:04:51.610Z | 33.7675 | -116.4191667 | 6 | 3.2 | ci3359490 |
| 1932-12-22T21:27:24.010Z | 34.4553333 | -116.7863333 | 6 | 3.34 | ci3359486 |
| 1932-12-17T04:37:34.120Z | 33.9805 | -116.6531667 | 6 | 3.33 | ci3359481 |
| 1932-11-24T13:47:58.830Z | 32.9565 | -116.3531667 | 6 | 3.25 | ci3359449 |
| 1932-11-06T08:56:03.460Z | 33.1688333 | -116.4708333 | 6 | 3.33 | ci3359427 |
| 1932-11-01T04:45:46.790Z | 34.0335 | -117.3041667 | 18.71 | 4 | ci3359417 |
| 1932-10-17T15:35:33.290Z | 33.1656667 | -116.2501667 | 6 | 3.5 | ci3359371 |
| 1932-10-06T08:56:00.000Z | 33.2833333 | -116.8 | 6 | 3.5 | ci10087202 |
| 1932-10-02T04:48:10.170Z | 33.1423333 | -116.0108333 | 6 | 3.26 | ci3359315 |
| 1932-09-12T19:16:22.310Z | 34.0251667 | -116.5053333 | 6 | 3.04 | ci3359285 |
| 1932-09-03T00:13:29.550Z | 33.2028333 | -116.687 | 6 | 3.35 | ci3359260 |
| 1932-09-01T04:53:25.790Z | 33.977 | -116.5441667 | 6 | 3.41 | ci3359251 |
| 1932-08-30T02:50:22.820Z | 33.7483333 | -116.9661667 | 6 | 3.57 | ci3359241 |
| 1932-07-14T21:27:49.310Z | 34.4445 | -116.0193333 | 6 | 3.56 | ci3359115 |

**APPENDIX B**

SEISMIC DESIGN MAP AND REPORT
SITE-SPECIFIC GROUND MOTION PARAMETERS

# Skilled Nursing Facility; Gerald Ford Drive, Rancho Mirage

**Latitude, Longitude: 33.7881, -116.4051**


| | |
|---|---|
| **Date** | 6/28/2023, 10:44:40 AM |
| **Design Code Reference Document** | ASCE7-16 |
| **Risk Category** | IV |
| **Site Class** | D - Stiff Soil |

| Type | Value | Description |
|---|---|---|
| $S_S$ | 1.714 | $MCE_R$ ground motion. (for 0.2 second period) |
| $S_1$ | 0.71 | $MCE_R$ ground motion. (for 1.0s period) |
| $S_{MS}$ | 1.714 | Site-modified spectral acceleration value |
| $S_{M1}$ | null -See Section 11.4.8 | Site-modified spectral acceleration value |
| $S_{DS}$ | 1.143 | Numeric seismic design value at 0.2 second SA |
| $S_{D1}$ | null -See Section 11.4.8 | Numeric seismic design value at 1.0 second SA |

| Type | Value | Description |
|---|---|---|
| SDC | null -See Section 11.4.8 | Seismic design category |
| $F_a$ | 1 | Site amplification factor at 0.2 second |
| $F_v$ | null -See Section 11.4.8 | Site amplification factor at 1.0 second |
| PGA | 0.746 | $MCE_G$ peak ground acceleration |
| $F_{PGA}$ | 1.1 | Site amplification factor at PGA |
| $PGA_M$ | 0.821 | Site modified peak ground acceleration |
| $T_L$ | 8 | Long-period transition period in seconds |
| SsRT | 2.043 | Probabilistic risk-targeted ground motion. (0.2 second) |
| SsUH | 2.274 | Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration |
| SsD | 1.714 | Factored deterministic acceleration value. (0.2 second) |
| S1RT | 0.799 | Probabilistic risk-targeted ground motion. (1.0 second) |
| S1UH | 0.905 | Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration. |
| S1D | 0.71 | Factored deterministic acceleration value. (1.0 second) |
| PGAd | 0.746 | Factored deterministic acceleration value. (Peak Ground Acceleration) |
| $PGA_{UH}$ | 0.892 | Uniform-hazard (2% probability of exceedance in 50 years) Peak Ground Acceleration |
| $C_{RS}$ | 0.899 | Mapped value of the risk coefficient at short periods |

| Type | Value | Description |
| --- | --- | --- |
| $C_{R1}$ | 0.883 | Mapped value of the risk coefficient at a period of 1 s |
| $C_V$ | 1.443 | Vertical coefficient |

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# SITE-SPECIFIC GROUND MOTION ANALYSIS
## (ASCE 7-16)

**Project:** Skilled Nursing Facility; Gerald Ford Drive, Rancho Mirage
**Project Number:** 544-23112
**Client:** Prest Vuksic Architects
**Site Lat/Long:** 33.7881/-116.4051
**Controlling Seismic Source:** San Andreas

| REFERENCE | NOTATION | VALUE |
|---|---|---|
| Site Class | C, D, D default, or E | D measured |
| Site Class D - Table 11.4-1 | $F_a$ | 1.0 |
| Site Class D - 21.3(ii) | $F_v$ | 2.5 |
| $0.2*(S_{D1}/S_{DS})$ | $T_0$ | 0.207 |
| $S_{D1}/S_{DS}$ | $T_S$ | 1.036 |
| Fundamental Period (12.8.2) | T | Period |
| Seismic Design Maps or Fig 22-14 | $T_L$ | 8 |
| Equation 11.4-4 - $2/3*S_{M1}$ | $S_{D1}$ | 1.1833 |
| Equation 11.4-2 - $F_V*S_1$ [1] | $S_{M1}$ | 1.7750 |

[1] - $F_V$ as determined by Section 21.3

| REFERENCE | NOTATION | VALUE |
|---|---|---|
| Fv (Table 11.4-2)[Used for General Spectrum] | $F_v$ | 1.7 |
| Design Maps | $S_s$ | 1.714 |
| Design Maps | $S_1$ | 0.710 |
| Equation 11.4-1 - $F_A*S_S$ | $S_{MS}$ | 1.714* |
| Equation 11.4-3 - $2/3*S_{MS}$ | $S_{DS}$ | 1.143* |
| Design Maps | PGA | 0.746 |
| Table 11.8-1 | $F_{PGA}$ | 1.1 |
| Equation 11.8-1 - $F_{PGA}*PGA$ | $PGA_M$ | 0.821* |
| Section 21.5.3 | 80% of $PGA_M$ | 0.656 |
| Design Maps | $C_{RS}$ | 0.899 |
| Design Maps | $C_{R1}$ | 0.883 |

| REFERENCE | NOTATION | VALUE |
|---|---|---|
| $0.2*(S_{D1}/S_{DS})$ | $T_0$ | 0.141* |
| $S_{D1}/S_{DS}$ | $T_S$ | 0.704* |
| Equation 11.4-4 - $2/3*S_{M1}$ | $S_{D1}$ | 0.8047* |
| Equation 11.4-2 - $F_V*S_1$ | $S_{M1}$ | 1.207* |

**RISK COEFFICIENT**

| | | |
|---|---|---|
| Cr - At Perods <=0.2, Cr=$C_{RS}$ | $C_{RS}$ | 0.899 |
| Cr - At Periods >=1.0, Cr=$C_{R1}$ | $C_{R1}$ | 0.883 |

Cr - At Periods between 0.2 and 1.0 use trendline formula to complete

| Period | Cr |
|---|---|
| 0.200 | 0.899 |
| 0.300 | 0.897 |
| 0.400 | 0.895 |
| 0.500 | 0.893 |
| 0.600 | 0.891 |
| 0.680 | 0.889 |
| 1.000 | 0.883 |

* **Code based design value**. See accompanying data for Site Specific Design values.

Mapped values from https://hazards.atcouncil.org/
https://www.seismicmaps.org/

Sladden Engineering

**PROBABILISTIC SPECTRA[1]**
**2% in 50 year Exceedence**

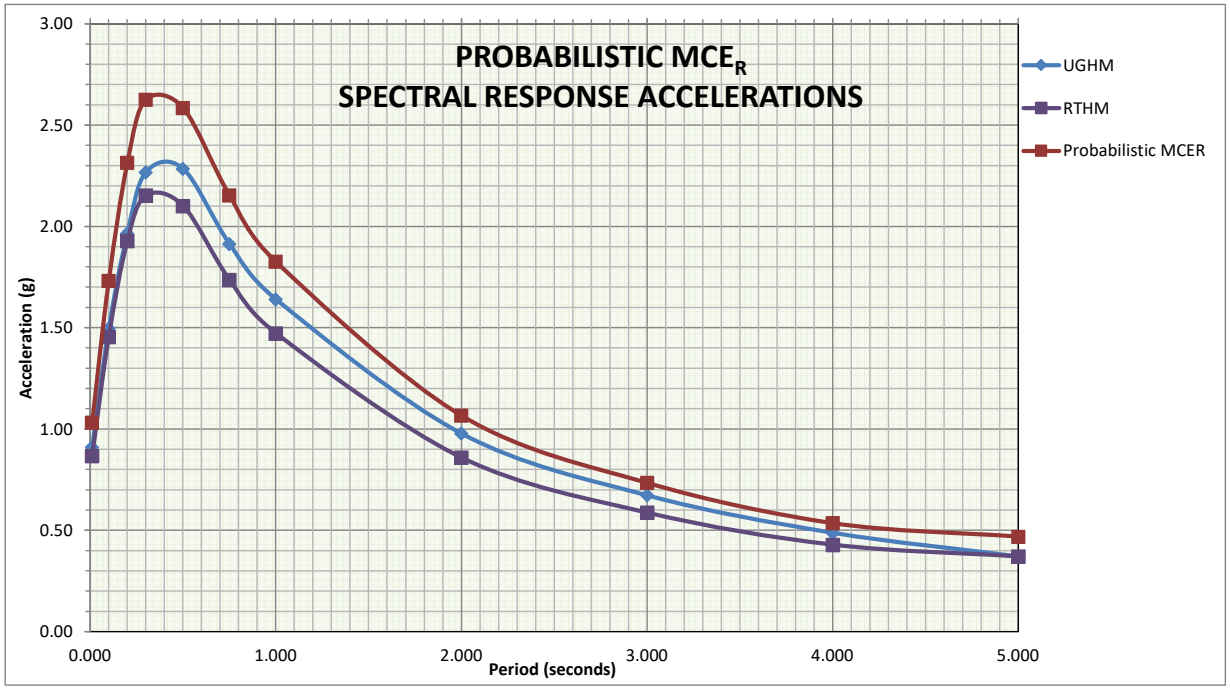
Project No: 544-23112

| Period | UGHM | RTGM | Max Directional Scale Factor[2] | Probabilistic MCE |
|---|---|---|---|---|
| 0.010 | 0.911 | 0.868 | 1.19 | 1.033 |
| 0.100 | 1.497 | 1.456 | 1.19 | 1.733 |
| 0.200 | 1.966 | 1.929 | 1.20 | 2.315 |
| 0.300 | 2.268 | 2.153 | 1.22 | 2.627 |
| 0.500 | 2.285 | 2.102 | 1.23 | 2.585 |
| 0.750 | 1.914 | 1.737 | 1.24 | 2.154 |
| 1.000 | 1.641 | 1.473 | 1.24 | 1.827 |
| 2.000 | 0.978 | 0.860 | 1.24 | 1.066 |
| 3.000 | 0.673 | 0.588 | 1.25 | 0.735 |
| 4.000 | 0.488 | 0.429 | 1.25 | 0.536 |
| 5.000 | 0.372 | 0.372 | 1.26 | 0.469 |

Probabilistic PGA: 0.911
Is Probabilistic $Sa_{(max)}$<$1.2F_a$? NO

[1] Data Sources:
https://earthquake.usgs.gov/hazards/interactive/
https://earthquake.usgs.gov/designmaps/rtgm/

[2] Shahi-Baker RotD100/RotD50 Factors (2014)




Sladden Engineering

## DETERMINISTIC SPECTRUM

**Largest Amplitudes of Ground Motions Considering All Sources Calculated using Weighted Mean of Attenuation Equations[1]**

**Controlling Source: San Andreas**

Is Probabilistic $Sa_{(max)}$<1.2Fa? NO

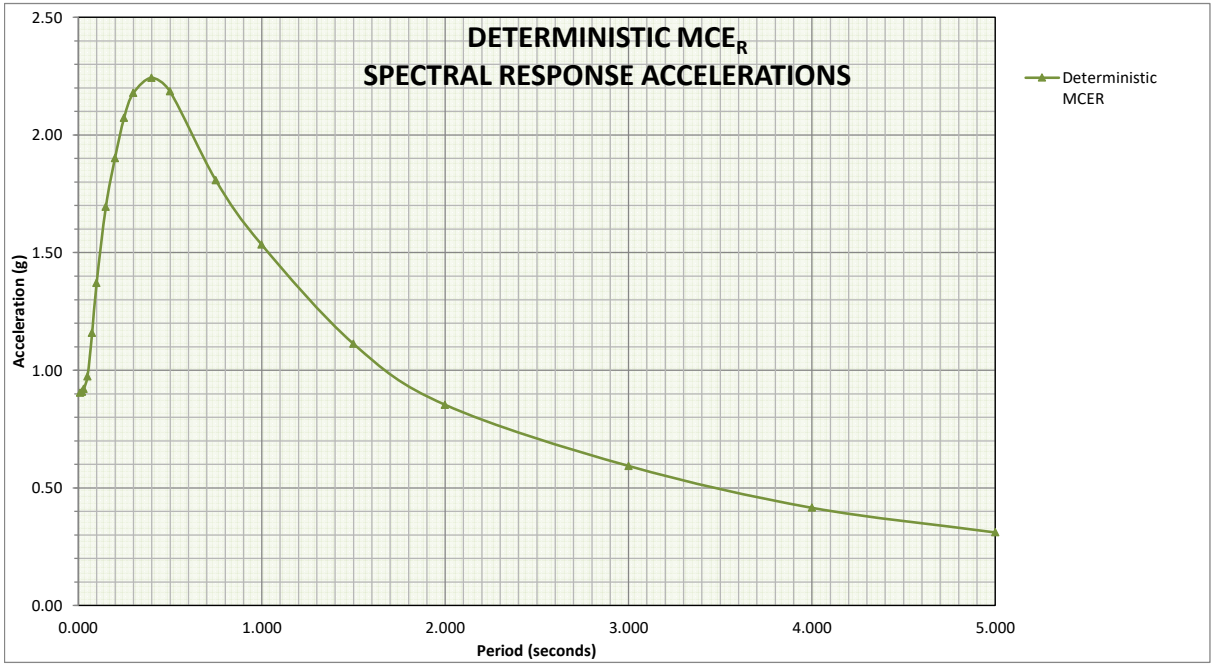
| Period | Deterministic PSa Median + 1.σ for 5% Damping | Max Directional Scale Factor[2] | Deterministic MCE | Section 21.2.2 Scaling Factor Applied |
|---|---|---|---|---|
| 0.010 | 0.759 | 1.19 | 0.904 | 0.904 |
| 0.020 | 0.763 | 1.19 | 0.908 | 0.908 |
| 0.030 | 0.774 | 1.19 | 0.921 | 0.921 |
| 0.050 | 0.818 | 1.19 | 0.973 | 0.973 |
| 0.075 | 0.974 | 1.19 | 1.159 | 1.159 |
| 0.100 | 1.152 | 1.19 | 1.371 | 1.371 |
| 0.150 | 1.412 | 1.20 | 1.695 | 1.695 |
| 0.200 | 1.584 | 1.20 | 1.901 | 1.901 |
| 0.250 | 1.713 | 1.21 | 2.073 | 2.073 |
| 0.300 | 1.786 | 1.22 | 2.178 | 2.178 |
| 0.400 | 1.824 | 1.23 | 2.243 | 2.243 |
| 0.500 | 1.777 | 1.23 | 2.185 | 2.185 |
| 0.750 | 1.458 | 1.24 | 1.808 | 1.808 |
| 1.000 | 1.237 | 1.24 | 1.534 | 1.534 |
| 1.500 | 0.897 | 1.24 | 1.113 | 1.113 |
| 2.000 | 0.688 | 1.24 | 0.853 | 0.853 |
| 3.000 | 0.475 | 1.25 | 0.593 | 0.593 |
| 4.000 | 0.333 | 1.25 | 0.416 | 0.416 |
| 5.000 | 0.247 | 1.26 | 0.311 | 0.311 |

Project No: 544-23112

| | |
|---|---|
| Is Determinstic $Sa_{(max)}$<1.5*Fa? | NO |
| Section 21.2.2 Scaling Factor: | N/A |
| Deterministic PGA: | 0.759 |
| Is Deterministic PGA >=$F_{PGA}$*0.5? | YES |

[1] NGAWest 2 GMPE worksheet and Uniform California Earthquake Rupture Forecast, Version 3 (UCERF3) - Time Dependent Model

[2] Shahi-Baker RotD100/RotD50 Factors (2014)




Sladden Engineering

## SITE SPECIFIC SPECTRA

| Period | Probabilistic MCE | Deterministic MCE | Site-Specific MCE | Design Response Spectrum (Sa) |
|---|---|---|---|---|
| 0.010 | 1.033 | 0.904 | 0.904 | 0.603 |
| 0.100 | 1.733 | 1.371 | 1.371 | 0.914 |
| 0.200 | 2.315 | 1.901 | 1.901 | 1.267 |
| 0.300 | 2.627 | 2.178 | 2.178 | 1.452 |
| 0.500 | 2.585 | 2.185 | 2.185 | 1.457 |
| 0.750 | 2.154 | 1.808 | 1.808 | 1.205 |
| 1.000 | 1.827 | 1.534 | 1.534 | 1.022 |
| 2.000 | 1.066 | 0.853 | 0.853 | 0.568 |
| 3.000 | 0.735 | 0.593 | 0.593 | 0.395 |
| 4.000 | 0.536 | 0.416 | 0.416 | 0.277 |
| 5.000 | 0.469 | 0.311 | 0.311 | 0.207 |

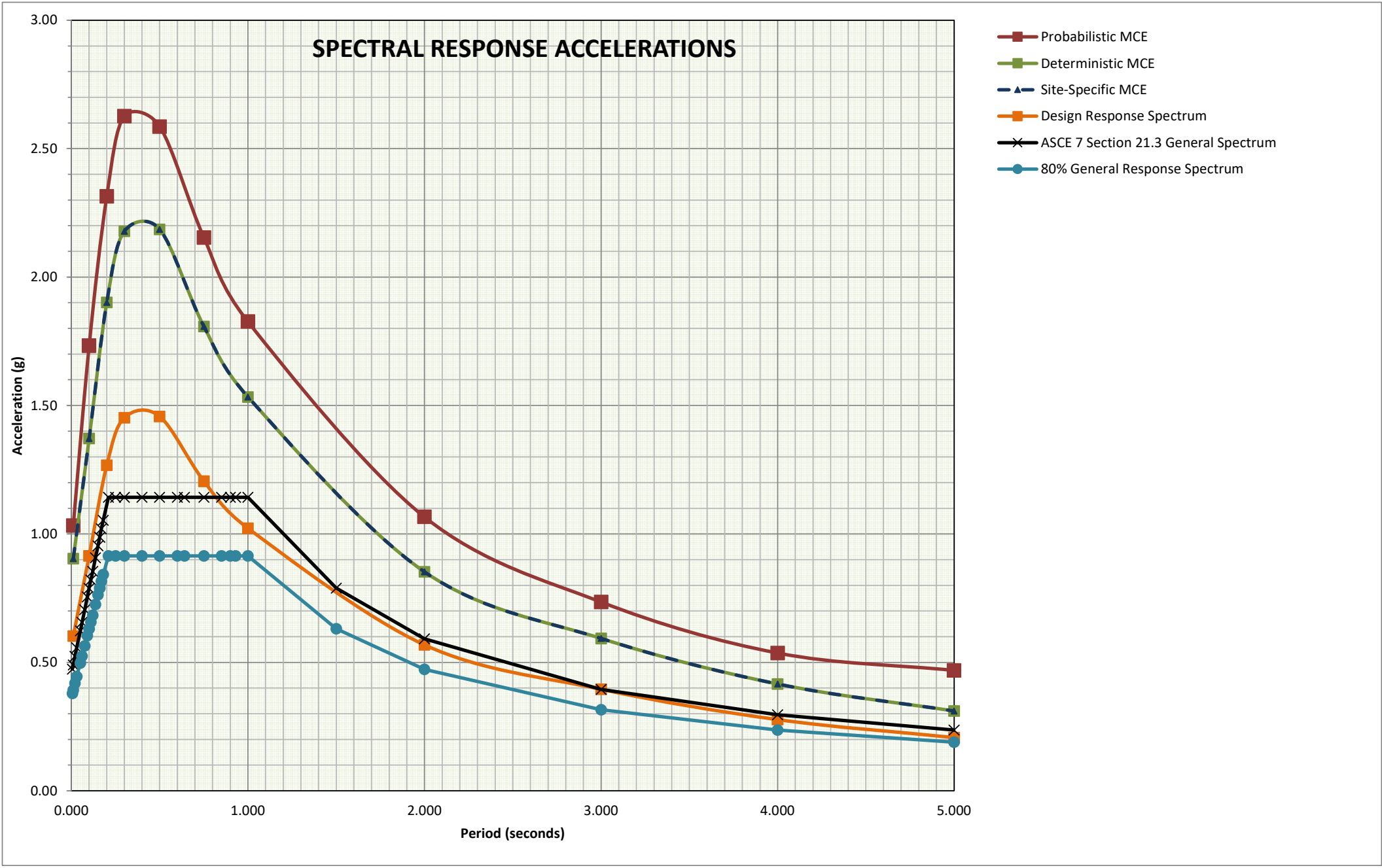
**ASCE 7-16: Section 21.4**
**Site Specific**

| | Calculated Value | Design Value |
|---|---|---|
| **SDS:** | 1.311 | 1.311 |
| **SD1:** | 1.186 | 1.186 |
| **SMS:** | 1.967 | 1.967 |
| **SM1:** | 1.779 | 1.779 |
| **Site Specific PGAm:** | 0.759 | 0.759 |
| **Site Class:** | D measured | |

**Seismic Design Category - Short*** D
**Seismic Design Category - 1s*** D
* Risk Categories I, II, or III

| Period | ASCE 7 SECTION 21.3 General Spectrum | 80% General Response Spectrum |
|---|---|---|
| 0.005 | 0.474 | 0.379 |
| 0.010 | 0.490 | 0.392 |
| 0.020 | 0.523 | 0.419 |
| 0.030 | 0.556 | 0.445 |
| 0.050 | 0.623 | 0.498 |
| 0.060 | 0.656 | 0.525 |
| 0.075 | 0.705 | 0.564 |
| 0.090 | 0.755 | 0.604 |
| 0.100 | 0.788 | 0.630 |
| 0.110 | 0.821 | 0.657 |
| 0.120 | 0.854 | 0.683 |
| 0.136 | 0.907 | 0.726 |
| 0.150 | 0.954 | 0.763 |
| 0.160 | 0.987 | 0.789 |
| 0.170 | 1.020 | 0.816 |
| 0.180 | 1.053 | 0.842 |
| 0.210 | 1.143 | 0.914 |
| 0.250 | 1.143 | 0.914 |
| 0.300 | 1.143 | 0.914 |
| 0.400 | 1.143 | 0.914 |
| 0.500 | 1.143 | 0.914 |
| 0.600 | 1.143 | 0.914 |
| 0.640 | 1.143 | 0.914 |
| 0.750 | 1.143 | 0.914 |
| 0.850 | 1.143 | 0.914 |
| 0.900 | 1.143 | 0.914 |
| 0.930 | 1.143 | 0.914 |
| 1.000 | 1.143 | 0.914 |
| 1.500 | 0.789 | 0.631 |
| 2.000 | 0.592 | 0.473 |
| 3.000 | 0.394 | 0.316 |
| 4.000 | 0.296 | 0.237 |
| 5.000 | 0.237 | 0.189 |

Project No: 544-23112


SPECTRAL RESPONSE ACCELERATIONS
Acceleration (g)
3.00
2.50
2.00
1.50
1.00
0.50
0.00
0.000
1.000
2.000
3.000
4.000
5.000
Period (seconds)
Probabilistic MCE
Deterministic MCE
Site-Specific MCE
Design Response Spectrum
ASCE 7 Section 21.3 General Spectrum
80% General Response Spectrum

**APPENDIX C**

RIVERSIDE COUNTY PARCEL REPORT

# Riverside County Parcel Report

APN(s):685120003,685120004

## DISCLAIMER

Maps, permit information and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.

## MAPS/IMAGES


## PARCEL

| | | | |
|---|---|---|---|
| APN | 685-120-003-9, 685-120-004-0 | Supervisorial District | Boundaries for Districts 2, 4 and 5 will be updated in January, 2023. Boundaries for Districts 1 and 3 will be updated in January, 2025. V MANUEL PEREZ, DISTRICT 4 |
| Previous APN | 685120003<br>618560012<br>685120004<br>618560013 | Township/Range | T4SR6E SEC 30 S |
| Owner Name | NOT AVAILABLE ONLINE | Elevation | 312 ft |
| Address | | Thomas Bros. Map Page/Grid | PAGE: 788, GRID: C6 |
| Mailing Address | 685120003<br>310 W PARK LN STE 3<br>FARMINGTON UT 84025<br><br>685120004<br>310 W PARK LN STE 3<br>FARMINGTON UT 84025 | Indian Tribal Land | NOT IN A TRIBAL LAND |

| | | | |
|---|---|---|---|
| Legal Description | 685120003<br>Recorded Book/Page: /<br>Subdivsion Name:<br>Lot/Parcel:<br>Block:<br>Tract Number:<br><br>685120004<br>Recorded Book/Page: /<br>Subdivsion Name:<br>Lot/Parcel:<br>Block:<br>Tract Number: | City Boundary | RANCHO MIRAGE |
| | | City Spheres of influence | NOT IN A CITY SPHERE |
| Lot Size | 685120003<br>Recorded lot size is 3.11 acres<br><br>685120004<br>Recorded lot size is 2.56 acres | March Joint Powers Authority | NOT IN THE JURISDICTION OF THE MARCH JOINT POWERS AUTHORITY |
| Property Characteristcs | 685120003<br>Year Constructed:<br>Baths:<br>Bedrooms:<br>Construction Type:<br>Garage Type:<br>Property Area (sq ft):<br>Roof Type:<br>Stories:<br>Pool: NO<br>Central Cool: NO<br>Central Heat: NO<br><br>685120004<br>Year Constructed:<br>Baths:<br>Bedrooms:<br>Construction Type:<br>Garage Type:<br>Property Area (sq ft):<br>Roof Type:<br>Stories:<br>Pool: NO<br>Central Cool: NO<br>Central Heat: NO | County Service Area | NOT IN A COUNTY SERVICE AREA |
| Annexation Date | 94-02-4<br>06/29/1994 | LAFCO Case | 94-02-4<br>06/29/1994 |
| Proposals | N/A | | |

**PLANNING more...**

| | | | |
|---|---|---|---|
| Specific Plans | NOT IN A SPECIFIC PLAN | Historic Preservation Districts | NOT IN A HISTORIC PRESERVATION DISTRICT |

| | | | |
|---|---|---|---|
| Land Use Designations | CITY | Agricultural Preserve | NOT IN AN AGRICULTRAL PRESERVE |
| General Plan Policy Overlays | N/A | | |
| Area Plan (RCIP) | Western Coachella Valley | Airport Influence Areas | NOT IN AN AIRPORT INFLUENCE AREA |
| General Plan Policy Areas | NOT IN A GENERAL PLAN POLICY AREA | Airport Compatibility Zones | NOT IN AN AIRPORT COMPATIBLITY AREA |
| Zoning Classifications (ORD. 348) | CHECK WITH THE CITY FOR MORE INFORMATION | Zoning Districts and Zoning Areas | NOT IN A ZONING DISTRICT/AREA |
| Zoning Overlays | NOT IN A ZONING OVERLAY | Community Advisory Councils | NOT IN A COMMUNITY ADVISORY COUNCIL |
| Enviromental Justice Communities | NOT IN AN ENVIRONMENTAL JUSTICE COMMUNITY | | |

Residential Permit Stats

N/A

## ENVIRONMENTAL more...

| | | | |
|---|---|---|---|
| CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Plan Area | COACHELLA VALLEY | WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Cell Group | NOT IN A CELL GROUP |
| CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Conservation Area | NOT COACHELLA VALLEY CONSERVATION AREA | WRMSHCP Cell Number | NOT IN A CELL NUMBER |
| CVMSHCP Fluvial Sand Transport Special Provision Areas | NOT IN A FLUVIAL SAND TRANSPORT SPECIAL PROVISION AREA | HANS/ERP (Habitat Acquisition and Negotiation Strategy/Expedited Review Process) | NOT IN A HANS/ERP PROJECT |
| WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Plan Area | NOT IN A WESTERN RIVERSIDE COUNTY PLAN FEE AREA | Vegetation (2005) | NOT IN A VEGETATION AREA |

## Fire

| | | | |
|---|---|---|---|
| Fire Hazard Classification (Ord. 787) | NOT IN A FIRE HAZARD ZONE | Fire Responsibility Area | NOT IN A FIRE RESPONSIBILITY AREA |

## DEVELOPMENT FEES

| | | | |
|---|---|---|---|
| CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Fee Area (Ord 875) | COACHELLA VALLEY | RBBD (Road & Bridge Benefit District) | NOT IN A ROAD BRIDGE BENEFIT DISTRICT |
| WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Fee Area (Ord. 810) | NOT IN A WESTERN RIVERSIDE COUNTY PLAN FEE AREA | DIF (Development Impact Fee Area Ord. 659) | WESTERN COACHELLA VALLEY, AREA 2 |
| Western TUMF (Transportation Uniform Mitigation Fee Ord. 824) | NOT IN THE WESTERN TUMF FEE AREA | SKR Fee Area (Stephenâ€™s Kagaroo Rat Ord. 663.10) | NOT IN THE SKR FEE AREA |
| Eastern TUMF (Transportation Uniform Mitigation Fee Ord. 673) | IN OR PARTIALLY WITHIN A TUMF FEE AREA | DA (Development Agreements) | NOT IN A DEVELOPMENT AGREEMENT |

## TRANSPORTATION more...

| | | | |
|---|---|---|---|
| Circulation Element Ultimate Right-of-Way | IN OR PARTIALLY WITHIN A CIRCULATION ELEMENT RIGHT-OF-WAY | Road Book Page | 187 |
| | | Transportation Agreements | NOT IN A TRANS AGREEMENT |
| | | CETAP (Community and Environmental Transportation Acceptability Process) Corridors | NOT IN A CETAP CORRIDOR |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Flood Plan Review | OUTSIDE FLOODPLAIN, REVIEW NOT REQUIRED | Watershed | WHITEWATER |
| Water District | COACHELLA VALLEY WATER DISTRICT | | |
| Flood Control District | COACHELLA VALLEY WATER DISTRICT | | |

## GEOLOGIC

| | | | |
|---|---|---|---|
| Fault Zone | NOT IN A FAULT ZONE | Paleontological Sensitivity | LOW POTENTIAL (L): FOLLOWING A LITERATURE SEARCH, RECORDS CHECK AND A FIELD SURVEY, AREAS MAY BE DETERMINED BY A QUALIFIED VERTEBRATE PALEONTOLOGIST AS HAVING LOW POTENTIAL FOR CONTAINING SIGNIFICANT PALEONTOLOGICAL RESOURCES SUBJECT TO ADVERSE IMPACTS. |
| Faults | NOT IN A FAULT LINE | | |
| Liquefaction Potential | MODERATE | | |
| Subsidence | SUSCEPTIBLE | | |

## MISCELLANEOUS

| | |
|---|---|
| School District | PALM SPRINGS UNIFIED |
| Communities | RANCHO MIRAGE |
| Lighting (Ord. 655) | ZONE: B |
| Census Tract | 449.21 |
| Farmland | OTHER LANDS<br>URBAN-BUILT UP LAND |
| Special Notes | NO SPECIAL NOTES |
| Tax Rate Areas | 017186 - CITRUS PEST CONTROL 2<br>017186 - CITY OF RANCHO MIRAGE<br>017186 - COACHELLA VALLEY RESOURCE CONS<br>017186 - COACHELLA VALLEY WATER DISTRICT<br>017186 - CSA 152<br>017186 - CV MOSQUITO & VECTOR CONTROL<br>017186 - CVWD STORM WATER UNIT<br>017186 - DESERT COMMUNITY COLLEGE<br>017186 - DESERT HOSPITAL<br>017186 - GENERAL<br>017186 - GENERAL PURPOSE<br>017186 - PALM SPRINGS PUBLIC CEMETERY<br>017186 - PALM SPRINGS UNIFIED B&I 1992-A<br>017186 - PALM SPRINGS UNIFIED SCHOOL<br>017186 - RANCHO MIRAGE CSD FIRE<br>017186 - RANCHO MIRAGE CSD LIBRARY<br>017186 - RIV CO REGIONAL PARK & OPEN SP<br>017186 - RIVERSIDE CO OFC OF EDUCATION |

## Department of Enviromental Health Permits

### Septic Permits

| Record Id | Application Date | Plan Check Approved Date | Final Inspection Date | Approved Date |
|---|---|---|---|---|
| N/A | N/A | N/A | N/A | N/A |

### Well Water Permits

| Record Id | PE | Permit Paid Date | Permit Approved Date | Well Finaled Date |
|---|---|---|---|---|
| N/A | N/A | N/A | N/A | N/A |

## PLUS PERMITS & CASES

### Administrative Cases

| Case | Case Description | Status |
|---|---|---|

| | | |
|---|---|---|
| N/A | N/A | N/A |

**Building and Safety Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**Code Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**Fire Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**Planning Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**Survey Cases**

| Case | Case Description | Status |
|---|---|---|
| MAP34238 | | ISSUED |
| ROS03034 | AT THE REQUEST OF LAURICH PROPERTIES | RECORDED |

**Transportation Cases**

| Case | Case Description | Status |
|---|---|---|
| N/A | N/A | N/A |

**APPENDIX D**

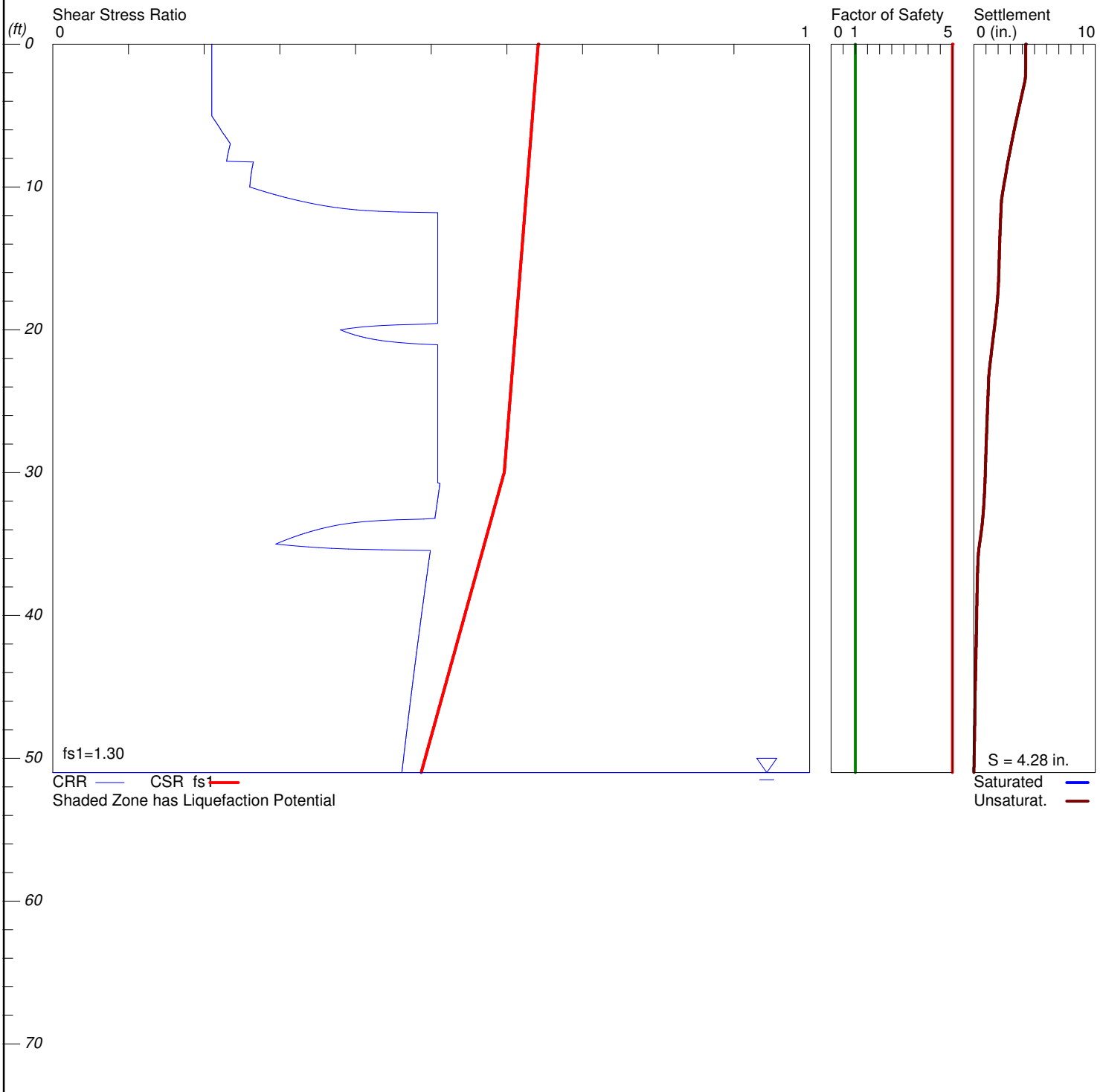
SEISMIC SETTLEMENT ANALYSES

# DYNAMIC SETTLEMENT ANALYSIS

## NEC Bob Hope Drive and Gerald Ford Drive, Rancho M

***Hole No.=BH-1  Water Depth=51 ft  Surface Elev.=300 Ft MSL***

***Magnitude=7.45***
***Acceleration=0.759g***



**********
LIQUEFACTION ANALYSIS SUMMARY



**********
Font: Courier New, Regular, Size 8 is recommended for this report.
Licensed to ,  7/18/2023  8:19:24 AM

Input File Name: D:\Liquefy5\544-23112 BH-1.liq
Title:  NEC Bob Hope Drive and Gerald Ford Drive, Rancho M
Subtitle:  Proposed Skilled Nursing Facility

Surface Elev.=300 Ft MSL
Hole No.=BH-1
Depth of Hole= 51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration= 0.76 g
Earthquake Magnitude= 7.45

Input Data:
Surface Elev.=300 Ft MSL
Hole No.=BH-1
Depth of Hole=51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration=0.76 g
Earthquake Magnitude=7.45
No-Liquefiable Soils:  CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
2. Settlement Analysis Method: Ishihara / Yoshimine
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.25
7. Borehole Diameter, Cb= 1
8. Sampling Method, Cs= 1
9. User request factor of safety (apply to CSR) ,  User= 1.3
   Plot one CSR curve (fs1=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:
Depth  SPT  gamma  Fines

| ft | | pcf | % |
|---|---|---|---|
| 0.00 | 12.00 | 105.00 | 5.10 |
| 5.00 | 12.00 | 105.00 | 5.00 |
| 10.00 | 15.00 | 105.00 | 7.40 |
| 15.00 | 32.60 | 105.00 | 6.60 |
| 20.00 | 24.00 | 105.00 | 6.50 |
| 25.00 | 32.00 | 108.50 | 5.20 |
| 30.00 | 38.00 | 108.50 | 7.20 |
| 35.00 | 27.30 | 112.70 | 4.20 |
| 40.00 | 85.00 | 112.70 | 8.40 |
| 45.00 | 66.60 | 112.70 | 4.80 |
| 50.00 | 47.00 | 112.70 | 9.60 |

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=4.28 in.
Total Settlement of Saturated and Unsaturated Sands=4.28 in.
Differential Settlement=2.139 to 2.823 in.

| Depth ft | CRRm | CSRfs | F.S. | S_sat. in. | S_dry in. | S_all in. |
|---|---|---|---|---|---|---|
| 0.00 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.05 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.10 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.15 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.20 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.25 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.30 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.35 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.40 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.45 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.50 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.55 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.60 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.65 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.70 | 0.21 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 0.75 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 0.80 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 0.85 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 0.90 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 0.95 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.00 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.05 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.10 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.15 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.20 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.25 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |

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|---|---|---|---|---|---|---|
| 1.30 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.35 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.40 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.45 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.50 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.55 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.60 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.65 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.70 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.75 | 0.21 | 0.64 | 5.00 | 0.00 | 4.27 | 4.27 |
| 1.80 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 1.85 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 1.90 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 1.95 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 2.00 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 2.05 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 2.10 | 0.21 | 0.64 | 5.00 | 0.00 | 4.26 | 4.26 |
| 2.15 | 0.21 | 0.64 | 5.00 | 0.00 | 4.25 | 4.25 |
| 2.20 | 0.21 | 0.64 | 5.00 | 0.00 | 4.25 | 4.25 |
| 2.25 | 0.21 | 0.64 | 5.00 | 0.00 | 4.25 | 4.25 |
| 2.30 | 0.21 | 0.64 | 5.00 | 0.00 | 4.25 | 4.25 |
| 2.35 | 0.21 | 0.64 | 5.00 | 0.00 | 4.24 | 4.24 |
| 2.40 | 0.21 | 0.64 | 5.00 | 0.00 | 4.24 | 4.24 |
| 2.45 | 0.21 | 0.64 | 5.00 | 0.00 | 4.23 | 4.23 |
| 2.50 | 0.21 | 0.64 | 5.00 | 0.00 | 4.22 | 4.22 |
| 2.55 | 0.21 | 0.64 | 5.00 | 0.00 | 4.21 | 4.21 |
| 2.60 | 0.21 | 0.64 | 5.00 | 0.00 | 4.20 | 4.20 |
| 2.65 | 0.21 | 0.64 | 5.00 | 0.00 | 4.19 | 4.19 |
| 2.70 | 0.21 | 0.64 | 5.00 | 0.00 | 4.18 | 4.18 |
| 2.75 | 0.21 | 0.64 | 5.00 | 0.00 | 4.16 | 4.16 |
| 2.80 | 0.21 | 0.64 | 5.00 | 0.00 | 4.15 | 4.15 |
| 2.85 | 0.21 | 0.64 | 5.00 | 0.00 | 4.14 | 4.14 |
| 2.90 | 0.21 | 0.64 | 5.00 | 0.00 | 4.12 | 4.12 |
| 2.95 | 0.21 | 0.64 | 5.00 | 0.00 | 4.11 | 4.11 |
| 3.00 | 0.21 | 0.64 | 5.00 | 0.00 | 4.10 | 4.10 |
| 3.05 | 0.21 | 0.64 | 5.00 | 0.00 | 4.08 | 4.08 |
| 3.10 | 0.21 | 0.64 | 5.00 | 0.00 | 4.07 | 4.07 |
| 3.15 | 0.21 | 0.64 | 5.00 | 0.00 | 4.06 | 4.06 |
| 3.20 | 0.21 | 0.64 | 5.00 | 0.00 | 4.05 | 4.05 |
| 3.25 | 0.21 | 0.64 | 5.00 | 0.00 | 4.03 | 4.03 |
| 3.30 | 0.21 | 0.64 | 5.00 | 0.00 | 4.02 | 4.02 |
| 3.35 | 0.21 | 0.64 | 5.00 | 0.00 | 4.01 | 4.01 |
| 3.40 | 0.21 | 0.64 | 5.00 | 0.00 | 3.99 | 3.99 |
| 3.45 | 0.21 | 0.64 | 5.00 | 0.00 | 3.98 | 3.98 |
| 3.50 | 0.21 | 0.64 | 5.00 | 0.00 | 3.97 | 3.97 |
| 3.55 | 0.21 | 0.64 | 5.00 | 0.00 | 3.95 | 3.95 |
| 3.60 | 0.21 | 0.64 | 5.00 | 0.00 | 3.94 | 3.94 |
| 3.65 | 0.21 | 0.64 | 5.00 | 0.00 | 3.93 | 3.93 |
| 3.70 | 0.21 | 0.64 | 5.00 | 0.00 | 3.91 | 3.91 |
| 3.75 | 0.21 | 0.64 | 5.00 | 0.00 | 3.90 | 3.90 |

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|---|---|---|---|---|---|---|
| 3.80 | 0.21 | 0.64 | 5.00 | 0.00 | 3.89 | 3.89 |
| 3.85 | 0.21 | 0.64 | 5.00 | 0.00 | 3.88 | 3.88 |
| 3.90 | 0.21 | 0.64 | 5.00 | 0.00 | 3.86 | 3.86 |
| 3.95 | 0.21 | 0.64 | 5.00 | 0.00 | 3.85 | 3.85 |
| 4.00 | 0.21 | 0.64 | 5.00 | 0.00 | 3.84 | 3.84 |
| 4.05 | 0.21 | 0.64 | 5.00 | 0.00 | 3.82 | 3.82 |
| 4.10 | 0.21 | 0.64 | 5.00 | 0.00 | 3.81 | 3.81 |
| 4.15 | 0.21 | 0.64 | 5.00 | 0.00 | 3.80 | 3.80 |
| 4.20 | 0.21 | 0.64 | 5.00 | 0.00 | 3.78 | 3.78 |
| 4.25 | 0.21 | 0.63 | 5.00 | 0.00 | 3.77 | 3.77 |
| 4.30 | 0.21 | 0.63 | 5.00 | 0.00 | 3.76 | 3.76 |
| 4.35 | 0.21 | 0.63 | 5.00 | 0.00 | 3.74 | 3.74 |
| 4.40 | 0.21 | 0.63 | 5.00 | 0.00 | 3.73 | 3.73 |
| 4.45 | 0.21 | 0.63 | 5.00 | 0.00 | 3.72 | 3.72 |
| 4.50 | 0.21 | 0.63 | 5.00 | 0.00 | 3.71 | 3.71 |
| 4.55 | 0.21 | 0.63 | 5.00 | 0.00 | 3.69 | 3.69 |
| 4.60 | 0.21 | 0.63 | 5.00 | 0.00 | 3.68 | 3.68 |
| 4.65 | 0.21 | 0.63 | 5.00 | 0.00 | 3.67 | 3.67 |
| 4.70 | 0.21 | 0.63 | 5.00 | 0.00 | 3.65 | 3.65 |
| 4.75 | 0.21 | 0.63 | 5.00 | 0.00 | 3.64 | 3.64 |
| 4.80 | 0.21 | 0.63 | 5.00 | 0.00 | 3.63 | 3.63 |
| 4.85 | 0.21 | 0.63 | 5.00 | 0.00 | 3.62 | 3.62 |
| 4.90 | 0.21 | 0.63 | 5.00 | 0.00 | 3.61 | 3.61 |
| 4.95 | 0.21 | 0.63 | 5.00 | 0.00 | 3.59 | 3.59 |
| 5.00 | 0.21 | 0.63 | 5.00 | 0.00 | 3.58 | 3.58 |
| 5.05 | 0.21 | 0.63 | 5.00 | 0.00 | 3.57 | 3.57 |
| 5.10 | 0.21 | 0.63 | 5.00 | 0.00 | 3.55 | 3.55 |
| 5.15 | 0.21 | 0.63 | 5.00 | 0.00 | 3.54 | 3.54 |
| 5.20 | 0.21 | 0.63 | 5.00 | 0.00 | 3.53 | 3.53 |
| 5.25 | 0.21 | 0.63 | 5.00 | 0.00 | 3.51 | 3.51 |
| 5.30 | 0.21 | 0.63 | 5.00 | 0.00 | 3.50 | 3.50 |
| 5.35 | 0.21 | 0.63 | 5.00 | 0.00 | 3.49 | 3.49 |
| 5.40 | 0.21 | 0.63 | 5.00 | 0.00 | 3.48 | 3.48 |
| 5.45 | 0.22 | 0.63 | 5.00 | 0.00 | 3.46 | 3.46 |
| 5.50 | 0.22 | 0.63 | 5.00 | 0.00 | 3.45 | 3.45 |
| 5.55 | 0.22 | 0.63 | 5.00 | 0.00 | 3.44 | 3.44 |
| 5.60 | 0.22 | 0.63 | 5.00 | 0.00 | 3.43 | 3.43 |
| 5.65 | 0.22 | 0.63 | 5.00 | 0.00 | 3.41 | 3.41 |
| 5.70 | 0.22 | 0.63 | 5.00 | 0.00 | 3.40 | 3.40 |
| 5.75 | 0.22 | 0.63 | 5.00 | 0.00 | 3.39 | 3.39 |
| 5.80 | 0.22 | 0.63 | 5.00 | 0.00 | 3.38 | 3.38 |
| 5.85 | 0.22 | 0.63 | 5.00 | 0.00 | 3.36 | 3.36 |
| 5.90 | 0.22 | 0.63 | 5.00 | 0.00 | 3.35 | 3.35 |
| 5.95 | 0.22 | 0.63 | 5.00 | 0.00 | 3.34 | 3.34 |
| 6.00 | 0.22 | 0.63 | 5.00 | 0.00 | 3.33 | 3.33 |
| 6.05 | 0.22 | 0.63 | 5.00 | 0.00 | 3.31 | 3.31 |
| 6.10 | 0.22 | 0.63 | 5.00 | 0.00 | 3.30 | 3.30 |
| 6.15 | 0.22 | 0.63 | 5.00 | 0.00 | 3.29 | 3.29 |
| 6.20 | 0.22 | 0.63 | 5.00 | 0.00 | 3.28 | 3.28 |
| 6.25 | 0.23 | 0.63 | 5.00 | 0.00 | 3.27 | 3.27 |

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|---|---|---|---|---|---|---|
| 6.30 | 0.23 | 0.63 | 5.00 | 0.00 | 3.25 | 3.25 |
| 6.35 | 0.23 | 0.63 | 5.00 | 0.00 | 3.24 | 3.24 |
| 6.40 | 0.23 | 0.63 | 5.00 | 0.00 | 3.23 | 3.23 |
| 6.45 | 0.23 | 0.63 | 5.00 | 0.00 | 3.22 | 3.22 |
| 6.50 | 0.23 | 0.63 | 5.00 | 0.00 | 3.21 | 3.21 |
| 6.55 | 0.23 | 0.63 | 5.00 | 0.00 | 3.19 | 3.19 |
| 6.60 | 0.23 | 0.63 | 5.00 | 0.00 | 3.18 | 3.18 |
| 6.65 | 0.23 | 0.63 | 5.00 | 0.00 | 3.17 | 3.17 |
| 6.70 | 0.23 | 0.63 | 5.00 | 0.00 | 3.16 | 3.16 |
| 6.75 | 0.23 | 0.63 | 5.00 | 0.00 | 3.15 | 3.15 |
| 6.80 | 0.23 | 0.63 | 5.00 | 0.00 | 3.14 | 3.14 |
| 6.85 | 0.23 | 0.63 | 5.00 | 0.00 | 3.12 | 3.12 |
| 6.90 | 0.23 | 0.63 | 5.00 | 0.00 | 3.11 | 3.11 |
| 6.95 | 0.23 | 0.63 | 5.00 | 0.00 | 3.10 | 3.10 |
| 7.00 | 0.23 | 0.63 | 5.00 | 0.00 | 3.09 | 3.09 |
| 7.05 | 0.23 | 0.63 | 5.00 | 0.00 | 3.08 | 3.08 |
| 7.10 | 0.23 | 0.63 | 5.00 | 0.00 | 3.07 | 3.07 |
| 7.15 | 0.23 | 0.63 | 5.00 | 0.00 | 3.06 | 3.06 |
| 7.20 | 0.23 | 0.63 | 5.00 | 0.00 | 3.04 | 3.04 |
| 7.25 | 0.23 | 0.63 | 5.00 | 0.00 | 3.03 | 3.03 |
| 7.30 | 0.23 | 0.63 | 5.00 | 0.00 | 3.02 | 3.02 |
| 7.35 | 0.23 | 0.63 | 5.00 | 0.00 | 3.01 | 3.01 |
| 7.40 | 0.23 | 0.63 | 5.00 | 0.00 | 3.00 | 3.00 |
| 7.45 | 0.23 | 0.63 | 5.00 | 0.00 | 2.99 | 2.99 |
| 7.50 | 0.23 | 0.63 | 5.00 | 0.00 | 2.98 | 2.98 |
| 7.55 | 0.23 | 0.63 | 5.00 | 0.00 | 2.96 | 2.96 |
| 7.60 | 0.23 | 0.63 | 5.00 | 0.00 | 2.95 | 2.95 |
| 7.65 | 0.23 | 0.63 | 5.00 | 0.00 | 2.94 | 2.94 |
| 7.70 | 0.23 | 0.63 | 5.00 | 0.00 | 2.93 | 2.93 |
| 7.75 | 0.23 | 0.63 | 5.00 | 0.00 | 2.92 | 2.92 |
| 7.80 | 0.23 | 0.63 | 5.00 | 0.00 | 2.91 | 2.91 |
| 7.85 | 0.23 | 0.63 | 5.00 | 0.00 | 2.89 | 2.89 |
| 7.90 | 0.23 | 0.63 | 5.00 | 0.00 | 2.88 | 2.88 |
| 7.95 | 0.23 | 0.63 | 5.00 | 0.00 | 2.87 | 2.87 |
| 8.00 | 0.23 | 0.63 | 5.00 | 0.00 | 2.86 | 2.86 |
| 8.05 | 0.23 | 0.63 | 5.00 | 0.00 | 2.85 | 2.85 |
| 8.10 | 0.23 | 0.63 | 5.00 | 0.00 | 2.84 | 2.84 |
| 8.15 | 0.23 | 0.63 | 5.00 | 0.00 | 2.82 | 2.82 |
| 8.20 | 0.23 | 0.63 | 5.00 | 0.00 | 2.81 | 2.81 |
| 8.25 | 0.27 | 0.63 | 5.00 | 0.00 | 2.80 | 2.80 |
| 8.30 | 0.26 | 0.63 | 5.00 | 0.00 | 2.79 | 2.79 |
| 8.35 | 0.26 | 0.63 | 5.00 | 0.00 | 2.78 | 2.78 |
| 8.40 | 0.26 | 0.63 | 5.00 | 0.00 | 2.77 | 2.77 |
| 8.45 | 0.26 | 0.63 | 5.00 | 0.00 | 2.76 | 2.76 |
| 8.50 | 0.26 | 0.63 | 5.00 | 0.00 | 2.75 | 2.75 |
| 8.55 | 0.26 | 0.63 | 5.00 | 0.00 | 2.74 | 2.74 |
| 8.60 | 0.26 | 0.63 | 5.00 | 0.00 | 2.73 | 2.73 |
| 8.65 | 0.26 | 0.63 | 5.00 | 0.00 | 2.72 | 2.72 |
| 8.70 | 0.26 | 0.63 | 5.00 | 0.00 | 2.71 | 2.71 |
| 8.75 | 0.26 | 0.63 | 5.00 | 0.00 | 2.70 | 2.70 |

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|---|---|---|---|---|---|---|
| 8.80 | 0.26 | 0.63 | 5.00 | 0.00 | 2.69 | 2.69 |
| 8.85 | 0.26 | 0.63 | 5.00 | 0.00 | 2.68 | 2.68 |
| 8.90 | 0.26 | 0.63 | 5.00 | 0.00 | 2.67 | 2.67 |
| 8.95 | 0.26 | 0.63 | 5.00 | 0.00 | 2.66 | 2.66 |
| 9.00 | 0.26 | 0.63 | 5.00 | 0.00 | 2.65 | 2.65 |
| 9.05 | 0.26 | 0.63 | 5.00 | 0.00 | 2.64 | 2.64 |
| 9.10 | 0.26 | 0.63 | 5.00 | 0.00 | 2.63 | 2.63 |
| 9.15 | 0.26 | 0.63 | 5.00 | 0.00 | 2.62 | 2.62 |
| 9.20 | 0.26 | 0.63 | 5.00 | 0.00 | 2.61 | 2.61 |
| 9.25 | 0.26 | 0.63 | 5.00 | 0.00 | 2.60 | 2.60 |
| 9.30 | 0.26 | 0.63 | 5.00 | 0.00 | 2.59 | 2.59 |
| 9.35 | 0.26 | 0.63 | 5.00 | 0.00 | 2.58 | 2.58 |
| 9.40 | 0.26 | 0.63 | 5.00 | 0.00 | 2.57 | 2.57 |
| 9.45 | 0.26 | 0.63 | 5.00 | 0.00 | 2.56 | 2.56 |
| 9.50 | 0.26 | 0.63 | 5.00 | 0.00 | 2.55 | 2.55 |
| 9.55 | 0.26 | 0.63 | 5.00 | 0.00 | 2.54 | 2.54 |
| 9.60 | 0.26 | 0.63 | 5.00 | 0.00 | 2.53 | 2.53 |
| 9.65 | 0.26 | 0.63 | 5.00 | 0.00 | 2.52 | 2.52 |
| 9.70 | 0.26 | 0.63 | 5.00 | 0.00 | 2.51 | 2.51 |
| 9.75 | 0.26 | 0.63 | 5.00 | 0.00 | 2.50 | 2.50 |
| 9.80 | 0.26 | 0.63 | 5.00 | 0.00 | 2.49 | 2.49 |
| 9.85 | 0.26 | 0.63 | 5.00 | 0.00 | 2.48 | 2.48 |
| 9.90 | 0.26 | 0.63 | 5.00 | 0.00 | 2.47 | 2.47 |
| 9.95 | 0.26 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.00 | 0.26 | 0.63 | 5.00 | 0.00 | 2.45 | 2.45 |
| 10.05 | 0.26 | 0.63 | 5.00 | 0.00 | 2.44 | 2.44 |
| 10.10 | 0.27 | 0.63 | 5.00 | 0.00 | 2.43 | 2.43 |
| 10.15 | 0.27 | 0.63 | 5.00 | 0.00 | 2.42 | 2.42 |
| 10.20 | 0.27 | 0.63 | 5.00 | 0.00 | 2.41 | 2.41 |
| 10.25 | 0.28 | 0.63 | 5.00 | 0.00 | 2.40 | 2.40 |
| 10.30 | 0.28 | 0.63 | 5.00 | 0.00 | 2.39 | 2.39 |
| 10.35 | 0.28 | 0.63 | 5.00 | 0.00 | 2.38 | 2.38 |
| 10.40 | 0.28 | 0.63 | 5.00 | 0.00 | 2.37 | 2.37 |
| 10.45 | 0.29 | 0.63 | 5.00 | 0.00 | 2.36 | 2.36 |
| 10.50 | 0.29 | 0.63 | 5.00 | 0.00 | 2.35 | 2.35 |
| 10.55 | 0.29 | 0.63 | 5.00 | 0.00 | 2.34 | 2.34 |
| 10.60 | 0.30 | 0.63 | 5.00 | 0.00 | 2.33 | 2.33 |
| 10.65 | 0.30 | 0.63 | 5.00 | 0.00 | 2.32 | 2.32 |
| 10.70 | 0.31 | 0.63 | 5.00 | 0.00 | 2.32 | 2.32 |
| 10.75 | 0.31 | 0.63 | 5.00 | 0.00 | 2.31 | 2.31 |
| 10.80 | 0.31 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.85 | 0.32 | 0.63 | 5.00 | 0.00 | 2.29 | 2.29 |
| 10.90 | 0.32 | 0.63 | 5.00 | 0.00 | 2.28 | 2.28 |
| 10.95 | 0.32 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 11.00 | 0.33 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 11.05 | 0.33 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 11.10 | 0.34 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 11.15 | 0.34 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 11.20 | 0.35 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 11.25 | 0.35 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |

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|---|---|---|---|---|---|---|
| 11.30 | 0.36 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 11.35 | 0.36 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 11.40 | 0.37 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 11.45 | 0.38 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 11.50 | 0.38 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 11.55 | 0.39 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 11.60 | 0.40 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 11.65 | 0.41 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 11.70 | 0.43 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 11.75 | 0.46 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 11.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 11.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 11.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 11.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 12.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 12.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 12.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 12.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 12.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 12.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 12.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 12.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 12.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 12.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 12.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 12.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 12.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 12.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 13.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 13.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 13.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 13.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 13.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 13.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 13.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |

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|---|---|---|---|---|---|---|
| 13.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 14.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 14.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 14.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 15.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 15.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |

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|---|---|---|---|---|---|---|
| 16.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.30 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.35 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.40 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.45 | 0.51 | 0.62 | 5.00 | 0.00 | 1.98 | 1.98 |
| 17.50 | 0.51 | 0.62 | 5.00 | 0.00 | 1.98 | 1.98 |
| 17.55 | 0.51 | 0.62 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.60 | 0.51 | 0.62 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 17.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 17.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 17.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 17.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 17.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 18.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 18.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 18.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 18.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 18.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 18.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 18.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 18.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 18.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 18.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 18.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 18.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 18.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 18.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 18.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 18.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |

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|---|---|---|---|---|---|---|
| 18.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 18.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 18.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 18.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 19.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 19.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 19.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 19.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 19.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 19.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 19.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 19.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 19.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 19.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 19.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 19.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 19.60 | 0.49 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 19.65 | 0.46 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 19.70 | 0.43 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 19.75 | 0.42 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 19.80 | 0.41 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 19.85 | 0.40 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 19.90 | 0.39 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 19.95 | 0.39 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 20.00 | 0.38 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 20.05 | 0.38 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 20.10 | 0.38 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 20.15 | 0.39 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 20.20 | 0.39 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 20.25 | 0.39 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 20.30 | 0.40 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 20.35 | 0.40 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 20.40 | 0.40 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 20.45 | 0.41 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 20.50 | 0.41 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 20.55 | 0.41 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 20.60 | 0.42 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 20.65 | 0.42 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 20.70 | 0.43 | 0.61 | 5.00 | 0.00 | 1.57 | 1.57 |
| 20.75 | 0.43 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 20.80 | 0.44 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 20.85 | 0.45 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 20.90 | 0.46 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 20.95 | 0.47 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 21.00 | 0.49 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 21.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 21.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 21.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 21.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.50 | 1.50 |
| 21.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.49 | 1.49 |

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|---|---|---|---|---|---|---|
| 21.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.49 | 1.49 |
| 21.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.48 | 1.48 |
| 21.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.47 | 1.47 |
| 21.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.46 | 1.46 |
| 21.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.46 | 1.46 |
| 21.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.45 | 1.45 |
| 21.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.44 | 1.44 |
| 21.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.44 | 1.44 |
| 21.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.43 | 1.43 |
| 21.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.42 | 1.42 |
| 21.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.42 | 1.42 |
| 21.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.41 | 1.41 |
| 21.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.40 | 1.40 |
| 21.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.40 | 1.40 |
| 22.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.39 | 1.39 |
| 22.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.38 | 1.38 |
| 22.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.38 | 1.38 |
| 22.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.37 | 1.37 |
| 22.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.36 | 1.36 |
| 22.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.36 | 1.36 |
| 22.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.35 | 1.35 |
| 22.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.34 | 1.34 |
| 22.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.34 | 1.34 |
| 22.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.33 | 1.33 |
| 22.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.32 | 1.32 |
| 22.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.32 | 1.32 |
| 22.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.31 | 1.31 |
| 22.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.30 | 1.30 |
| 22.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.30 | 1.30 |
| 22.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.29 | 1.29 |
| 22.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.28 | 1.28 |
| 22.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.28 | 1.28 |
| 22.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.27 | 1.27 |
| 22.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.26 | 1.26 |
| 23.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.26 | 1.26 |
| 23.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.25 | 1.25 |
| 23.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.25 | 1.25 |
| 23.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.24 | 1.24 |
| 23.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.23 | 1.23 |
| 23.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.23 | 1.23 |
| 23.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |

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|---|---|---|---|---|---|---|
| 23.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 24.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 24.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 26.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 26.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |

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|---|---|---|---|---|---|---|
| 26.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 27.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 27.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.60 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.65 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.70 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.75 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |

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|---|---|---|---|---|---|---|
| 28.80 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.85 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.90 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 28.95 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.00 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.05 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.10 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.15 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.20 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.25 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.30 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.35 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.40 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.45 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.50 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.55 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.60 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.65 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.70 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.75 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.80 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.85 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.90 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.95 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 30.00 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.05 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.10 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.15 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.20 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.25 | 0.51 | 0.60 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.40 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.45 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.50 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.55 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.60 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.65 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.70 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.75 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 30.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.20 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.25 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |

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|---|---|---|---|---|---|---|
| 31.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.40 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.45 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.50 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.55 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.60 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.65 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.70 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.75 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.20 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.25 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.30 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.35 | 0.51 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.40 | 0.51 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.45 | 0.51 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.50 | 0.51 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.55 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.60 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.65 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.70 | 0.51 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.75 | 0.51 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.80 | 0.51 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 32.85 | 0.51 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 32.90 | 0.51 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 32.95 | 0.51 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.00 | 0.51 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.05 | 0.51 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.10 | 0.51 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.15 | 0.51 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.20 | 0.50 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.25 | 0.49 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.30 | 0.45 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.35 | 0.43 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.40 | 0.42 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.45 | 0.41 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.50 | 0.40 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.55 | 0.39 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.60 | 0.38 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.65 | 0.38 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.70 | 0.37 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |
| 33.75 | 0.37 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |

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|---|---|---|---|---|---|---|
| 33.80 | 0.36 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 33.85 | 0.36 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 33.90 | 0.36 | 0.58 | 5.00 | 0.00 | 0.64 | 0.64 |
| 33.95 | 0.35 | 0.58 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.00 | 0.35 | 0.58 | 5.00 | 0.00 | 0.63 | 0.63 |
| 34.05 | 0.35 | 0.58 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.10 | 0.34 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.15 | 0.34 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.20 | 0.34 | 0.57 | 5.00 | 0.00 | 0.60 | 0.60 |
| 34.25 | 0.33 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.30 | 0.33 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.35 | 0.33 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.40 | 0.32 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.45 | 0.32 | 0.57 | 5.00 | 0.00 | 0.56 | 0.56 |
| 34.50 | 0.32 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.55 | 0.32 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 34.60 | 0.31 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 34.65 | 0.31 | 0.57 | 5.00 | 0.00 | 0.53 | 0.53 |
| 34.70 | 0.31 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 34.75 | 0.31 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 34.80 | 0.30 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 34.85 | 0.30 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 34.90 | 0.30 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 34.95 | 0.30 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.00 | 0.29 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.05 | 0.30 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.10 | 0.31 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.15 | 0.33 | 0.57 | 5.00 | 0.00 | 0.44 | 0.44 |
| 35.20 | 0.34 | 0.57 | 5.00 | 0.00 | 0.43 | 0.43 |
| 35.25 | 0.35 | 0.57 | 5.00 | 0.00 | 0.43 | 0.43 |
| 35.30 | 0.37 | 0.57 | 5.00 | 0.00 | 0.42 | 0.42 |
| 35.35 | 0.39 | 0.57 | 5.00 | 0.00 | 0.41 | 0.41 |
| 35.40 | 0.43 | 0.57 | 5.00 | 0.00 | 0.40 | 0.40 |
| 35.45 | 0.50 | 0.57 | 5.00 | 0.00 | 0.40 | 0.40 |
| 35.50 | 0.50 | 0.57 | 5.00 | 0.00 | 0.39 | 0.39 |
| 35.55 | 0.50 | 0.57 | 5.00 | 0.00 | 0.39 | 0.39 |
| 35.60 | 0.50 | 0.57 | 5.00 | 0.00 | 0.38 | 0.38 |
| 35.65 | 0.50 | 0.57 | 5.00 | 0.00 | 0.38 | 0.38 |
| 35.70 | 0.50 | 0.57 | 5.00 | 0.00 | 0.37 | 0.37 |
| 35.75 | 0.50 | 0.57 | 5.00 | 0.00 | 0.37 | 0.37 |
| 35.80 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.85 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.90 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.95 | 0.50 | 0.57 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.00 | 0.50 | 0.57 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |

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|---|---|---|---|---|---|---|
| 36.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.55 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.60 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.65 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.70 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.75 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.80 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.85 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.90 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.95 | 0.49 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 37.00 | 0.49 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 37.05 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.10 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.15 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.20 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.25 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.30 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.35 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.40 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.45 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.50 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.55 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.60 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.65 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.70 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.75 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.80 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.85 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.90 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.28 | 0.28 |
| 38.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.28 | 0.28 |
| 38.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |

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|---|---|---|---|---|---|---|
| 38.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.85 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.90 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 38.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 39.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 39.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.55 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.60 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.65 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.70 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.75 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.80 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.85 | 0.48 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.90 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 40.95 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.00 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.05 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.10 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.15 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.20 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.25 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 41.30 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.35 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.40 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.45 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.50 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.55 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.60 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.65 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.70 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.75 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 41.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 41.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.70 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.75 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 43.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.60 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.65 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.95 | 0.47 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.00 | 0.47 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.05 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.10 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.15 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.20 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.25 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.30 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.35 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.40 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.45 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.50 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.55 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 46.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.55 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.45 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.50 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 48.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 49.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 49.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.30 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.35 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.40 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 50.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.05 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.10 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.15 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.20 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.25 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.30 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.35 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.40 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 51.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |

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* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5,  CRR is limited to 2,  CSR is limited to 2)

Units:  Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight =

pcf; Depth = ft; Settlement = in.

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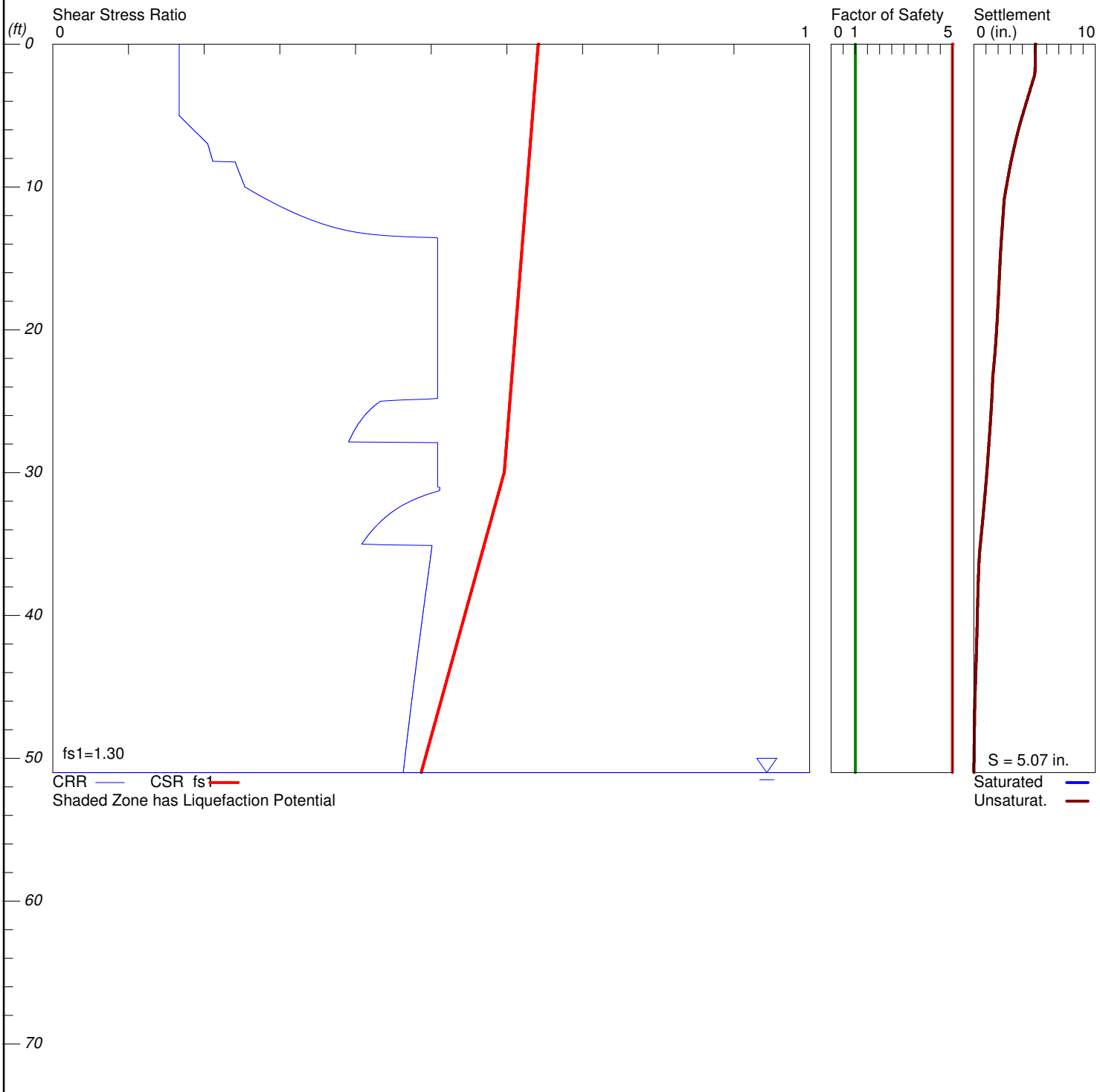
1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

# DYNAMIC SETTLEMENT ANALYSIS

## NEC Bob Hope Drive and Gerald Ford Drive, Rancho M

***Hole No.=BH-2  Water Depth=51 ft  Surface Elev.=300 Ft MSL***

***Magnitude=7.45***
***Acceleration=0.759g***



**********
LIQUEFACTION ANALYSIS SUMMARY



**********
Font: Courier New, Regular, Size 8 is recommended for this report.
Licensed to ,  7/18/2023  8:23:04 AM

Input File Name: D:\Liquefy5\544-23112 BH-2.liq
Title:  NEC Bob Hope Drive and Gerald Ford Drive, Rancho M
Subtitle:  Proposed Skilled Nursing Facility

Surface Elev.=300 Ft MSL
Hole No.=BH-2
Depth of Hole= 51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration= 0.76 g
Earthquake Magnitude= 7.45

Input Data:
Surface Elev.=300 Ft MSL
Hole No.=BH-2
Depth of Hole=51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration=0.76 g
Earthquake Magnitude=7.45
No-Liquefiable Soils:  CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
2. Settlement Analysis Method: Ishihara / Yoshimine
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.25
7. Borehole Diameter, Cb= 1
8. Sampling Method, Cs= 1
9. User request factor of safety (apply to CSR) ,  User= 1.3
   Plot one CSR curve (fs1=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:
Depth  SPT  gamma  Fines

| ft | | pcf | % |
|---|---|---|---|
| 0.00 | 9.00 | 105.00 | 8.50 |
| 5.00 | 9.00 | 105.00 | 8.50 |
| 10.00 | 14.60 | 105.00 | 8.00 |
| 15.00 | 26.00 | 105.00 | 8.00 |
| 20.00 | 34.00 | 105.00 | 8.00 |
| 25.00 | 27.00 | 105.00 | 9.20 |
| 30.00 | 28.00 | 105.00 | 11.80 |
| 35.00 | 31.00 | 105.00 | 5.80 |
| 40.00 | 61.30 | 111.80 | 6.20 |
| 45.00 | 50.00 | 111.80 | 7.10 |
| 50.00 | 66.60 | 110.20 | 7.30 |

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=5.07 in.
Total Settlement of Saturated and Unsaturated Sands=5.07 in.
Differential Settlement=2.533 to 3.344 in.

| Depth ft | CRRm | CSRfs | F.S. | S_sat. in. | S_dry in. | S_all in. |
|---|---|---|---|---|---|---|
| 0.00 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.05 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.10 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.15 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.20 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.25 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.30 | 0.17 | 0.64 | 5.00 | 0.00 | 5.07 | 5.07 |
| 0.35 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.40 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.45 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.50 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.55 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.60 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.65 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.70 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.75 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.80 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.85 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.90 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 0.95 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.00 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.05 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.10 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.15 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.20 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.25 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.30 | 0.17 | 0.64 | 5.00 | 0.00 | 5.06 | 5.06 |
| 1.35 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.40 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.45 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.50 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.55 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.60 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.65 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.70 | 0.17 | 0.64 | 5.00 | 0.00 | 5.05 | 5.05 |
| 1.75 | 0.17 | 0.64 | 5.00 | 0.00 | 5.04 | 5.04 |
| 1.80 | 0.17 | 0.64 | 5.00 | 0.00 | 5.04 | 5.04 |
| 1.85 | 0.17 | 0.64 | 5.00 | 0.00 | 5.04 | 5.04 |
| 1.90 | 0.17 | 0.64 | 5.00 | 0.00 | 5.04 | 5.04 |
| 1.95 | 0.17 | 0.64 | 5.00 | 0.00 | 5.03 | 5.03 |
| 2.00 | 0.17 | 0.64 | 5.00 | 0.00 | 5.03 | 5.03 |
| 2.05 | 0.17 | 0.64 | 5.00 | 0.00 | 5.02 | 5.02 |
| 2.10 | 0.17 | 0.64 | 5.00 | 0.00 | 5.01 | 5.01 |
| 2.15 | 0.17 | 0.64 | 5.00 | 0.00 | 5.00 | 5.00 |
| 2.20 | 0.17 | 0.64 | 5.00 | 0.00 | 4.99 | 4.99 |
| 2.25 | 0.17 | 0.64 | 5.00 | 0.00 | 4.97 | 4.97 |
| 2.30 | 0.17 | 0.64 | 5.00 | 0.00 | 4.95 | 4.95 |
| 2.35 | 0.17 | 0.64 | 5.00 | 0.00 | 4.94 | 4.94 |
| 2.40 | 0.17 | 0.64 | 5.00 | 0.00 | 4.92 | 4.92 |
| 2.45 | 0.17 | 0.64 | 5.00 | 0.00 | 4.90 | 4.90 |
| 2.50 | 0.17 | 0.64 | 5.00 | 0.00 | 4.88 | 4.88 |
| 2.55 | 0.17 | 0.64 | 5.00 | 0.00 | 4.86 | 4.86 |
| 2.60 | 0.17 | 0.64 | 5.00 | 0.00 | 4.85 | 4.85 |
| 2.65 | 0.17 | 0.64 | 5.00 | 0.00 | 4.83 | 4.83 |
| 2.70 | 0.17 | 0.64 | 5.00 | 0.00 | 4.81 | 4.81 |
| 2.75 | 0.17 | 0.64 | 5.00 | 0.00 | 4.79 | 4.79 |
| 2.80 | 0.17 | 0.64 | 5.00 | 0.00 | 4.78 | 4.78 |
| 2.85 | 0.17 | 0.64 | 5.00 | 0.00 | 4.76 | 4.76 |
| 2.90 | 0.17 | 0.64 | 5.00 | 0.00 | 4.74 | 4.74 |
| 2.95 | 0.17 | 0.64 | 5.00 | 0.00 | 4.72 | 4.72 |
| 3.00 | 0.17 | 0.64 | 5.00 | 0.00 | 4.71 | 4.71 |
| 3.05 | 0.17 | 0.64 | 5.00 | 0.00 | 4.69 | 4.69 |
| 3.10 | 0.17 | 0.64 | 5.00 | 0.00 | 4.67 | 4.67 |
| 3.15 | 0.17 | 0.64 | 5.00 | 0.00 | 4.65 | 4.65 |
| 3.20 | 0.17 | 0.64 | 5.00 | 0.00 | 4.64 | 4.64 |
| 3.25 | 0.17 | 0.64 | 5.00 | 0.00 | 4.62 | 4.62 |
| 3.30 | 0.17 | 0.64 | 5.00 | 0.00 | 4.60 | 4.60 |
| 3.35 | 0.17 | 0.64 | 5.00 | 0.00 | 4.58 | 4.58 |
| 3.40 | 0.17 | 0.64 | 5.00 | 0.00 | 4.56 | 4.56 |
| 3.45 | 0.17 | 0.64 | 5.00 | 0.00 | 4.55 | 4.55 |
| 3.50 | 0.17 | 0.64 | 5.00 | 0.00 | 4.53 | 4.53 |
| 3.55 | 0.17 | 0.64 | 5.00 | 0.00 | 4.51 | 4.51 |
| 3.60 | 0.17 | 0.64 | 5.00 | 0.00 | 4.49 | 4.49 |
| 3.65 | 0.17 | 0.64 | 5.00 | 0.00 | 4.48 | 4.48 |
| 3.70 | 0.17 | 0.64 | 5.00 | 0.00 | 4.46 | 4.46 |
| 3.75 | 0.17 | 0.64 | 5.00 | 0.00 | 4.44 | 4.44 |

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|---|---|---|---|---|---|---|
| 3.80 | 0.17 | 0.64 | 5.00 | 0.00 | 4.42 | 4.42 |
| 3.85 | 0.17 | 0.64 | 5.00 | 0.00 | 4.41 | 4.41 |
| 3.90 | 0.17 | 0.64 | 5.00 | 0.00 | 4.39 | 4.39 |
| 3.95 | 0.17 | 0.64 | 5.00 | 0.00 | 4.37 | 4.37 |
| 4.00 | 0.17 | 0.64 | 5.00 | 0.00 | 4.35 | 4.35 |
| 4.05 | 0.17 | 0.64 | 5.00 | 0.00 | 4.34 | 4.34 |
| 4.10 | 0.17 | 0.64 | 5.00 | 0.00 | 4.32 | 4.32 |
| 4.15 | 0.17 | 0.64 | 5.00 | 0.00 | 4.30 | 4.30 |
| 4.20 | 0.17 | 0.64 | 5.00 | 0.00 | 4.28 | 4.28 |
| 4.25 | 0.17 | 0.63 | 5.00 | 0.00 | 4.27 | 4.27 |
| 4.30 | 0.17 | 0.63 | 5.00 | 0.00 | 4.25 | 4.25 |
| 4.35 | 0.17 | 0.63 | 5.00 | 0.00 | 4.23 | 4.23 |
| 4.40 | 0.17 | 0.63 | 5.00 | 0.00 | 4.21 | 4.21 |
| 4.45 | 0.17 | 0.63 | 5.00 | 0.00 | 4.19 | 4.19 |
| 4.50 | 0.17 | 0.63 | 5.00 | 0.00 | 4.18 | 4.18 |
| 4.55 | 0.17 | 0.63 | 5.00 | 0.00 | 4.16 | 4.16 |
| 4.60 | 0.17 | 0.63 | 5.00 | 0.00 | 4.14 | 4.14 |
| 4.65 | 0.17 | 0.63 | 5.00 | 0.00 | 4.12 | 4.12 |
| 4.70 | 0.17 | 0.63 | 5.00 | 0.00 | 4.11 | 4.11 |
| 4.75 | 0.17 | 0.63 | 5.00 | 0.00 | 4.09 | 4.09 |
| 4.80 | 0.17 | 0.63 | 5.00 | 0.00 | 4.07 | 4.07 |
| 4.85 | 0.17 | 0.63 | 5.00 | 0.00 | 4.05 | 4.05 |
| 4.90 | 0.17 | 0.63 | 5.00 | 0.00 | 4.04 | 4.04 |
| 4.95 | 0.17 | 0.63 | 5.00 | 0.00 | 4.02 | 4.02 |
| 5.00 | 0.17 | 0.63 | 5.00 | 0.00 | 4.00 | 4.00 |
| 5.05 | 0.17 | 0.63 | 5.00 | 0.00 | 3.98 | 3.98 |
| 5.10 | 0.17 | 0.63 | 5.00 | 0.00 | 3.97 | 3.97 |
| 5.15 | 0.17 | 0.63 | 5.00 | 0.00 | 3.95 | 3.95 |
| 5.20 | 0.17 | 0.63 | 5.00 | 0.00 | 3.93 | 3.93 |
| 5.25 | 0.17 | 0.63 | 5.00 | 0.00 | 3.91 | 3.91 |
| 5.30 | 0.17 | 0.63 | 5.00 | 0.00 | 3.90 | 3.90 |
| 5.35 | 0.17 | 0.63 | 5.00 | 0.00 | 3.88 | 3.88 |
| 5.40 | 0.17 | 0.63 | 5.00 | 0.00 | 3.86 | 3.86 |
| 5.45 | 0.18 | 0.63 | 5.00 | 0.00 | 3.85 | 3.85 |
| 5.50 | 0.18 | 0.63 | 5.00 | 0.00 | 3.83 | 3.83 |
| 5.55 | 0.18 | 0.63 | 5.00 | 0.00 | 3.81 | 3.81 |
| 5.60 | 0.18 | 0.63 | 5.00 | 0.00 | 3.80 | 3.80 |
| 5.65 | 0.18 | 0.63 | 5.00 | 0.00 | 3.78 | 3.78 |
| 5.70 | 0.18 | 0.63 | 5.00 | 0.00 | 3.76 | 3.76 |
| 5.75 | 0.18 | 0.63 | 5.00 | 0.00 | 3.75 | 3.75 |
| 5.80 | 0.18 | 0.63 | 5.00 | 0.00 | 3.73 | 3.73 |
| 5.85 | 0.18 | 0.63 | 5.00 | 0.00 | 3.72 | 3.72 |
| 5.90 | 0.18 | 0.63 | 5.00 | 0.00 | 3.70 | 3.70 |
| 5.95 | 0.19 | 0.63 | 5.00 | 0.00 | 3.69 | 3.69 |
| 6.00 | 0.19 | 0.63 | 5.00 | 0.00 | 3.67 | 3.67 |
| 6.05 | 0.19 | 0.63 | 5.00 | 0.00 | 3.66 | 3.66 |
| 6.10 | 0.19 | 0.63 | 5.00 | 0.00 | 3.64 | 3.64 |
| 6.15 | 0.19 | 0.63 | 5.00 | 0.00 | 3.63 | 3.63 |
| 6.20 | 0.19 | 0.63 | 5.00 | 0.00 | 3.61 | 3.61 |
| 6.25 | 0.19 | 0.63 | 5.00 | 0.00 | 3.60 | 3.60 |

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|---|---|---|---|---|---|---|
| 6.30 | 0.19 | 0.63 | 5.00 | 0.00 | 3.58 | 3.58 |
| 6.35 | 0.19 | 0.63 | 5.00 | 0.00 | 3.57 | 3.57 |
| 6.40 | 0.19 | 0.63 | 5.00 | 0.00 | 3.55 | 3.55 |
| 6.45 | 0.19 | 0.63 | 5.00 | 0.00 | 3.54 | 3.54 |
| 6.50 | 0.20 | 0.63 | 5.00 | 0.00 | 3.52 | 3.52 |
| 6.55 | 0.20 | 0.63 | 5.00 | 0.00 | 3.51 | 3.51 |
| 6.60 | 0.20 | 0.63 | 5.00 | 0.00 | 3.49 | 3.49 |
| 6.65 | 0.20 | 0.63 | 5.00 | 0.00 | 3.48 | 3.48 |
| 6.70 | 0.20 | 0.63 | 5.00 | 0.00 | 3.47 | 3.47 |
| 6.75 | 0.20 | 0.63 | 5.00 | 0.00 | 3.45 | 3.45 |
| 6.80 | 0.20 | 0.63 | 5.00 | 0.00 | 3.44 | 3.44 |
| 6.85 | 0.20 | 0.63 | 5.00 | 0.00 | 3.42 | 3.42 |
| 6.90 | 0.20 | 0.63 | 5.00 | 0.00 | 3.41 | 3.41 |
| 6.95 | 0.20 | 0.63 | 5.00 | 0.00 | 3.40 | 3.40 |
| 7.00 | 0.20 | 0.63 | 5.00 | 0.00 | 3.38 | 3.38 |
| 7.05 | 0.21 | 0.63 | 5.00 | 0.00 | 3.37 | 3.37 |
| 7.10 | 0.21 | 0.63 | 5.00 | 0.00 | 3.36 | 3.36 |
| 7.15 | 0.21 | 0.63 | 5.00 | 0.00 | 3.34 | 3.34 |
| 7.20 | 0.21 | 0.63 | 5.00 | 0.00 | 3.33 | 3.33 |
| 7.25 | 0.21 | 0.63 | 5.00 | 0.00 | 3.32 | 3.32 |
| 7.30 | 0.21 | 0.63 | 5.00 | 0.00 | 3.30 | 3.30 |
| 7.35 | 0.21 | 0.63 | 5.00 | 0.00 | 3.29 | 3.29 |
| 7.40 | 0.21 | 0.63 | 5.00 | 0.00 | 3.28 | 3.28 |
| 7.45 | 0.21 | 0.63 | 5.00 | 0.00 | 3.26 | 3.26 |
| 7.50 | 0.21 | 0.63 | 5.00 | 0.00 | 3.25 | 3.25 |
| 7.55 | 0.21 | 0.63 | 5.00 | 0.00 | 3.24 | 3.24 |
| 7.60 | 0.21 | 0.63 | 5.00 | 0.00 | 3.22 | 3.22 |
| 7.65 | 0.21 | 0.63 | 5.00 | 0.00 | 3.21 | 3.21 |
| 7.70 | 0.21 | 0.63 | 5.00 | 0.00 | 3.20 | 3.20 |
| 7.75 | 0.21 | 0.63 | 5.00 | 0.00 | 3.18 | 3.18 |
| 7.80 | 0.21 | 0.63 | 5.00 | 0.00 | 3.17 | 3.17 |
| 7.85 | 0.21 | 0.63 | 5.00 | 0.00 | 3.16 | 3.16 |
| 7.90 | 0.21 | 0.63 | 5.00 | 0.00 | 3.14 | 3.14 |
| 7.95 | 0.21 | 0.63 | 5.00 | 0.00 | 3.13 | 3.13 |
| 8.00 | 0.21 | 0.63 | 5.00 | 0.00 | 3.12 | 3.12 |
| 8.05 | 0.21 | 0.63 | 5.00 | 0.00 | 3.10 | 3.10 |
| 8.10 | 0.21 | 0.63 | 5.00 | 0.00 | 3.09 | 3.09 |
| 8.15 | 0.21 | 0.63 | 5.00 | 0.00 | 3.08 | 3.08 |
| 8.20 | 0.21 | 0.63 | 5.00 | 0.00 | 3.07 | 3.07 |
| 8.25 | 0.24 | 0.63 | 5.00 | 0.00 | 3.05 | 3.05 |
| 8.30 | 0.24 | 0.63 | 5.00 | 0.00 | 3.04 | 3.04 |
| 8.35 | 0.24 | 0.63 | 5.00 | 0.00 | 3.03 | 3.03 |
| 8.40 | 0.24 | 0.63 | 5.00 | 0.00 | 3.02 | 3.02 |
| 8.45 | 0.24 | 0.63 | 5.00 | 0.00 | 3.01 | 3.01 |
| 8.50 | 0.24 | 0.63 | 5.00 | 0.00 | 3.00 | 3.00 |
| 8.55 | 0.24 | 0.63 | 5.00 | 0.00 | 2.99 | 2.99 |
| 8.60 | 0.24 | 0.63 | 5.00 | 0.00 | 2.97 | 2.97 |
| 8.65 | 0.24 | 0.63 | 5.00 | 0.00 | 2.96 | 2.96 |
| 8.70 | 0.24 | 0.63 | 5.00 | 0.00 | 2.95 | 2.95 |
| 8.75 | 0.24 | 0.63 | 5.00 | 0.00 | 2.94 | 2.94 |

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|---|---|---|---|---|---|---|
| 8.80 | 0.24 | 0.63 | 5.00 | 0.00 | 2.93 | 2.93 |
| 8.85 | 0.25 | 0.63 | 5.00 | 0.00 | 2.92 | 2.92 |
| 8.90 | 0.25 | 0.63 | 5.00 | 0.00 | 2.91 | 2.91 |
| 8.95 | 0.25 | 0.63 | 5.00 | 0.00 | 2.90 | 2.90 |
| 9.00 | 0.25 | 0.63 | 5.00 | 0.00 | 2.89 | 2.89 |
| 9.05 | 0.25 | 0.63 | 5.00 | 0.00 | 2.88 | 2.88 |
| 9.10 | 0.25 | 0.63 | 5.00 | 0.00 | 2.87 | 2.87 |
| 9.15 | 0.25 | 0.63 | 5.00 | 0.00 | 2.86 | 2.86 |
| 9.20 | 0.25 | 0.63 | 5.00 | 0.00 | 2.84 | 2.84 |
| 9.25 | 0.25 | 0.63 | 5.00 | 0.00 | 2.83 | 2.83 |
| 9.30 | 0.25 | 0.63 | 5.00 | 0.00 | 2.82 | 2.82 |
| 9.35 | 0.25 | 0.63 | 5.00 | 0.00 | 2.81 | 2.81 |
| 9.40 | 0.25 | 0.63 | 5.00 | 0.00 | 2.80 | 2.80 |
| 9.45 | 0.25 | 0.63 | 5.00 | 0.00 | 2.79 | 2.79 |
| 9.50 | 0.25 | 0.63 | 5.00 | 0.00 | 2.78 | 2.78 |
| 9.55 | 0.25 | 0.63 | 5.00 | 0.00 | 2.77 | 2.77 |
| 9.60 | 0.25 | 0.63 | 5.00 | 0.00 | 2.76 | 2.76 |
| 9.65 | 0.25 | 0.63 | 5.00 | 0.00 | 2.75 | 2.75 |
| 9.70 | 0.25 | 0.63 | 5.00 | 0.00 | 2.74 | 2.74 |
| 9.75 | 0.25 | 0.63 | 5.00 | 0.00 | 2.73 | 2.73 |
| 9.80 | 0.25 | 0.63 | 5.00 | 0.00 | 2.72 | 2.72 |
| 9.85 | 0.25 | 0.63 | 5.00 | 0.00 | 2.71 | 2.71 |
| 9.90 | 0.25 | 0.63 | 5.00 | 0.00 | 2.70 | 2.70 |
| 9.95 | 0.25 | 0.63 | 5.00 | 0.00 | 2.69 | 2.69 |
| 10.00 | 0.25 | 0.63 | 5.00 | 0.00 | 2.68 | 2.68 |
| 10.05 | 0.26 | 0.63 | 5.00 | 0.00 | 2.67 | 2.67 |
| 10.10 | 0.26 | 0.63 | 5.00 | 0.00 | 2.65 | 2.65 |
| 10.15 | 0.26 | 0.63 | 5.00 | 0.00 | 2.64 | 2.64 |
| 10.20 | 0.26 | 0.63 | 5.00 | 0.00 | 2.63 | 2.63 |
| 10.25 | 0.26 | 0.63 | 5.00 | 0.00 | 2.62 | 2.62 |
| 10.30 | 0.26 | 0.63 | 5.00 | 0.00 | 2.61 | 2.61 |
| 10.35 | 0.27 | 0.63 | 5.00 | 0.00 | 2.60 | 2.60 |
| 10.40 | 0.27 | 0.63 | 5.00 | 0.00 | 2.59 | 2.59 |
| 10.45 | 0.27 | 0.63 | 5.00 | 0.00 | 2.58 | 2.58 |
| 10.50 | 0.27 | 0.63 | 5.00 | 0.00 | 2.57 | 2.57 |
| 10.55 | 0.27 | 0.63 | 5.00 | 0.00 | 2.56 | 2.56 |
| 10.60 | 0.27 | 0.63 | 5.00 | 0.00 | 2.55 | 2.55 |
| 10.65 | 0.28 | 0.63 | 5.00 | 0.00 | 2.54 | 2.54 |
| 10.70 | 0.28 | 0.63 | 5.00 | 0.00 | 2.54 | 2.54 |
| 10.75 | 0.28 | 0.63 | 5.00 | 0.00 | 2.53 | 2.53 |
| 10.80 | 0.28 | 0.63 | 5.00 | 0.00 | 2.52 | 2.52 |
| 10.85 | 0.28 | 0.63 | 5.00 | 0.00 | 2.51 | 2.51 |
| 10.90 | 0.28 | 0.63 | 5.00 | 0.00 | 2.50 | 2.50 |
| 10.95 | 0.29 | 0.62 | 5.00 | 0.00 | 2.49 | 2.49 |
| 11.00 | 0.29 | 0.62 | 5.00 | 0.00 | 2.49 | 2.49 |
| 11.05 | 0.29 | 0.62 | 5.00 | 0.00 | 2.48 | 2.48 |
| 11.10 | 0.29 | 0.62 | 5.00 | 0.00 | 2.48 | 2.48 |
| 11.15 | 0.29 | 0.62 | 5.00 | 0.00 | 2.48 | 2.48 |
| 11.20 | 0.29 | 0.62 | 5.00 | 0.00 | 2.47 | 2.47 |
| 11.25 | 0.30 | 0.62 | 5.00 | 0.00 | 2.47 | 2.47 |

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|---|---|---|---|---|---|---|
| 11.30 | 0.30 | 0.62 | 5.00 | 0.00 | 2.46 | 2.46 |
| 11.35 | 0.30 | 0.62 | 5.00 | 0.00 | 2.46 | 2.46 |
| 11.40 | 0.30 | 0.62 | 5.00 | 0.00 | 2.46 | 2.46 |
| 11.45 | 0.30 | 0.62 | 5.00 | 0.00 | 2.45 | 2.45 |
| 11.50 | 0.31 | 0.62 | 5.00 | 0.00 | 2.45 | 2.45 |
| 11.55 | 0.31 | 0.62 | 5.00 | 0.00 | 2.44 | 2.44 |
| 11.60 | 0.31 | 0.62 | 5.00 | 0.00 | 2.44 | 2.44 |
| 11.65 | 0.31 | 0.62 | 5.00 | 0.00 | 2.43 | 2.43 |
| 11.70 | 0.31 | 0.62 | 5.00 | 0.00 | 2.43 | 2.43 |
| 11.75 | 0.32 | 0.62 | 5.00 | 0.00 | 2.43 | 2.43 |
| 11.80 | 0.32 | 0.62 | 5.00 | 0.00 | 2.42 | 2.42 |
| 11.85 | 0.32 | 0.62 | 5.00 | 0.00 | 2.42 | 2.42 |
| 11.90 | 0.32 | 0.62 | 5.00 | 0.00 | 2.41 | 2.41 |
| 11.95 | 0.32 | 0.62 | 5.00 | 0.00 | 2.41 | 2.41 |
| 12.00 | 0.33 | 0.62 | 5.00 | 0.00 | 2.41 | 2.41 |
| 12.05 | 0.33 | 0.62 | 5.00 | 0.00 | 2.40 | 2.40 |
| 12.10 | 0.33 | 0.62 | 5.00 | 0.00 | 2.40 | 2.40 |
| 12.15 | 0.33 | 0.62 | 5.00 | 0.00 | 2.39 | 2.39 |
| 12.20 | 0.34 | 0.62 | 5.00 | 0.00 | 2.39 | 2.39 |
| 12.25 | 0.34 | 0.62 | 5.00 | 0.00 | 2.39 | 2.39 |
| 12.30 | 0.34 | 0.62 | 5.00 | 0.00 | 2.38 | 2.38 |
| 12.35 | 0.34 | 0.62 | 5.00 | 0.00 | 2.38 | 2.38 |
| 12.40 | 0.35 | 0.62 | 5.00 | 0.00 | 2.37 | 2.37 |
| 12.45 | 0.35 | 0.62 | 5.00 | 0.00 | 2.37 | 2.37 |
| 12.50 | 0.35 | 0.62 | 5.00 | 0.00 | 2.36 | 2.36 |
| 12.55 | 0.35 | 0.62 | 5.00 | 0.00 | 2.36 | 2.36 |
| 12.60 | 0.36 | 0.62 | 5.00 | 0.00 | 2.36 | 2.36 |
| 12.65 | 0.36 | 0.62 | 5.00 | 0.00 | 2.35 | 2.35 |
| 12.70 | 0.36 | 0.62 | 5.00 | 0.00 | 2.35 | 2.35 |
| 12.75 | 0.37 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 12.80 | 0.37 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 12.85 | 0.37 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 12.90 | 0.38 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 12.95 | 0.38 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 13.00 | 0.38 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 13.05 | 0.39 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 13.10 | 0.39 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 13.15 | 0.40 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 13.20 | 0.40 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 13.25 | 0.41 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 13.30 | 0.42 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 13.35 | 0.43 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 13.40 | 0.44 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 13.45 | 0.45 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 13.50 | 0.47 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 13.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 13.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 13.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |

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|---|---|---|---|---|---|---|
| 13.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 14.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 14.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 14.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 14.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 14.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 14.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 15.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |

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|---|---|---|---|---|---|---|
| 16.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.65 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.70 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.75 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.80 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.85 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.90 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.95 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 18.00 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.05 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.10 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 18.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 18.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |

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|---|---|---|---|---|---|---|
| 18.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 19.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 19.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 19.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 19.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 20.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 20.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 20.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 20.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 20.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 20.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 20.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 20.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 21.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 21.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 21.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |

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|---|---|---|---|---|---|---|
| 21.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 21.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 21.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 21.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 21.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 21.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 21.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 21.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 21.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 21.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 21.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 22.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 22.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 22.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 22.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 22.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 22.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 22.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 22.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 22.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 22.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 22.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 22.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 22.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 22.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 22.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 22.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 22.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 22.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 22.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 22.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 23.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 23.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 23.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 23.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 23.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.57 | 1.57 |
| 23.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |

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|---|---|---|---|---|---|---|
| 23.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 23.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 23.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 24.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 24.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.85 | 0.50 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.90 | 0.47 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.95 | 0.45 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.00 | 0.43 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.05 | 0.43 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.10 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.15 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.20 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.25 | 0.43 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.30 | 0.43 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.35 | 0.42 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.40 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.45 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.50 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.55 | 0.42 | 0.60 | 5.00 | 0.00 | 1.43 | 1.43 |
| 25.60 | 0.42 | 0.60 | 5.00 | 0.00 | 1.43 | 1.43 |
| 25.65 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.70 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.75 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.80 | 0.42 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.85 | 0.41 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.90 | 0.41 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.95 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.00 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.05 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.10 | 0.41 | 0.60 | 5.00 | 0.00 | 1.39 | 1.39 |
| 26.15 | 0.41 | 0.60 | 5.00 | 0.00 | 1.39 | 1.39 |
| 26.20 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |
| 26.25 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |

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|---|---|---|---|---|---|---|
| 26.30 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |
| 26.35 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.40 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.45 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.50 | 0.40 | 0.60 | 5.00 | 0.00 | 1.36 | 1.36 |
| 26.55 | 0.40 | 0.60 | 5.00 | 0.00 | 1.36 | 1.36 |
| 26.60 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.65 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.70 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.75 | 0.40 | 0.60 | 5.00 | 0.00 | 1.34 | 1.34 |
| 26.80 | 0.40 | 0.60 | 5.00 | 0.00 | 1.34 | 1.34 |
| 26.85 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 26.90 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 26.95 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 27.00 | 0.40 | 0.60 | 5.00 | 0.00 | 1.32 | 1.32 |
| 27.05 | 0.40 | 0.60 | 5.00 | 0.00 | 1.32 | 1.32 |
| 27.10 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.15 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.20 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.25 | 0.40 | 0.60 | 5.00 | 0.00 | 1.30 | 1.30 |
| 27.30 | 0.40 | 0.60 | 5.00 | 0.00 | 1.30 | 1.30 |
| 27.35 | 0.40 | 0.60 | 5.00 | 0.00 | 1.29 | 1.29 |
| 27.40 | 0.39 | 0.60 | 5.00 | 0.00 | 1.29 | 1.29 |
| 27.45 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.50 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.55 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.60 | 0.39 | 0.60 | 5.00 | 0.00 | 1.27 | 1.27 |
| 27.65 | 0.39 | 0.60 | 5.00 | 0.00 | 1.27 | 1.27 |
| 27.70 | 0.39 | 0.60 | 5.00 | 0.00 | 1.26 | 1.26 |
| 27.75 | 0.39 | 0.60 | 5.00 | 0.00 | 1.26 | 1.26 |
| 27.80 | 0.39 | 0.60 | 5.00 | 0.00 | 1.25 | 1.25 |
| 27.85 | 0.39 | 0.60 | 5.00 | 0.00 | 1.25 | 1.25 |
| 27.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 27.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 28.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 28.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.22 | 1.22 |
| 28.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.22 | 1.22 |
| 28.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.20 | 1.20 |
| 28.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.20 | 1.20 |
| 28.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 28.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |

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|---|---|---|---|---|---|---|
| 28.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 28.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 28.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 28.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 29.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 29.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 29.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 29.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 29.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 29.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 29.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 29.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 29.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 29.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 29.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 29.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 29.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 29.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 30.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 30.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 30.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 30.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 30.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 30.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.30 | 0.51 | 0.59 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.35 | 0.51 | 0.59 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.40 | 0.51 | 0.59 | 5.00 | 0.00 | 1.03 | 1.03 |
| 30.45 | 0.51 | 0.59 | 5.00 | 0.00 | 1.03 | 1.03 |
| 30.50 | 0.51 | 0.59 | 5.00 | 0.00 | 1.02 | 1.02 |
| 30.55 | 0.51 | 0.59 | 5.00 | 0.00 | 1.02 | 1.02 |
| 30.60 | 0.51 | 0.59 | 5.00 | 0.00 | 1.01 | 1.01 |
| 30.65 | 0.51 | 0.59 | 5.00 | 0.00 | 1.01 | 1.01 |
| 30.70 | 0.51 | 0.59 | 5.00 | 0.00 | 1.00 | 1.00 |
| 30.75 | 0.51 | 0.59 | 5.00 | 0.00 | 1.00 | 1.00 |
| 30.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.99 | 0.99 |
| 30.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.99 | 0.99 |
| 30.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.98 | 0.98 |
| 30.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.98 | 0.98 |
| 31.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.97 | 0.97 |
| 31.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.97 | 0.97 |
| 31.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.96 | 0.96 |
| 31.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.96 | 0.96 |
| 31.20 | 0.51 | 0.59 | 5.00 | 0.00 | 0.95 | 0.95 |
| 31.25 | 0.51 | 0.59 | 5.00 | 0.00 | 0.95 | 0.95 |

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|---|---|---|---|---|---|---|
| 31.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.94 | 0.94 |
| 31.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.94 | 0.94 |
| 31.40 | 0.50 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 31.45 | 0.50 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 31.50 | 0.50 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 31.55 | 0.49 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 31.60 | 0.49 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 31.65 | 0.49 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 31.70 | 0.49 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.75 | 0.48 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.80 | 0.48 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.85 | 0.48 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.90 | 0.48 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.95 | 0.47 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 32.00 | 0.47 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 32.05 | 0.47 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 32.10 | 0.47 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 32.15 | 0.47 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 32.20 | 0.47 | 0.58 | 5.00 | 0.00 | 0.85 | 0.85 |
| 32.25 | 0.46 | 0.58 | 5.00 | 0.00 | 0.85 | 0.85 |
| 32.30 | 0.46 | 0.58 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.35 | 0.46 | 0.58 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.40 | 0.46 | 0.58 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.45 | 0.46 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.50 | 0.46 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.55 | 0.45 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.60 | 0.45 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.65 | 0.45 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.70 | 0.45 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.75 | 0.45 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.80 | 0.45 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.85 | 0.45 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.90 | 0.44 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.95 | 0.44 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 33.00 | 0.44 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.05 | 0.44 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.10 | 0.44 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.15 | 0.44 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.20 | 0.44 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.25 | 0.44 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.30 | 0.44 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.35 | 0.43 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.40 | 0.43 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.45 | 0.43 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.50 | 0.43 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.55 | 0.43 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.60 | 0.43 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.65 | 0.43 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.70 | 0.43 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.75 | 0.43 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |

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|---|---|---|---|---|---|---|
| 33.80 | 0.43 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.85 | 0.43 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |
| 33.90 | 0.42 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 33.95 | 0.42 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 34.00 | 0.42 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 34.05 | 0.42 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 34.10 | 0.42 | 0.57 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.15 | 0.42 | 0.57 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.20 | 0.42 | 0.57 | 5.00 | 0.00 | 0.63 | 0.63 |
| 34.25 | 0.42 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.30 | 0.42 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.35 | 0.42 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.40 | 0.42 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.45 | 0.42 | 0.57 | 5.00 | 0.00 | 0.60 | 0.60 |
| 34.50 | 0.42 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.55 | 0.41 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.60 | 0.41 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.65 | 0.41 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.70 | 0.41 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.75 | 0.41 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.80 | 0.41 | 0.57 | 5.00 | 0.00 | 0.56 | 0.56 |
| 34.85 | 0.41 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.90 | 0.41 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.95 | 0.41 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 35.00 | 0.41 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 35.05 | 0.44 | 0.57 | 5.00 | 0.00 | 0.53 | 0.53 |
| 35.10 | 0.50 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 35.15 | 0.50 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 35.20 | 0.50 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 35.25 | 0.50 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 35.30 | 0.50 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 35.35 | 0.50 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 35.40 | 0.50 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 35.45 | 0.50 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 35.50 | 0.50 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.55 | 0.50 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.60 | 0.50 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.65 | 0.50 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.70 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.75 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.80 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.85 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.90 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.95 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 36.00 | 0.50 | 0.57 | 5.00 | 0.00 | 0.44 | 0.44 |
| 36.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.44 | 0.44 |
| 36.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |

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|---|---|---|---|---|---|---|
| 36.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.55 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.60 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.65 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.70 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.75 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.80 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.85 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 36.90 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 36.95 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.00 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.55 | 0.49 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.60 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.65 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.70 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.75 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.80 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.85 | 0.49 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 37.90 | 0.49 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 37.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |

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|---|---|---|---|---|---|---|
| 38.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.85 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.90 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.55 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.60 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.65 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.70 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.75 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.80 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 40.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 40.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |

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|---|---|---|---|---|---|---|
| 41.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.55 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.60 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.65 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.70 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.75 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 41.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 41.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.70 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.75 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 43.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 43.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |

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|---|---|---|---|---|---|---|
| 43.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.60 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.65 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.60 | 0.48 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.65 | 0.48 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 45.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 45.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 46.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.55 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.45 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.50 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 48.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.45 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.50 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.55 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.60 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.65 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.70 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.75 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.80 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.85 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.90 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.95 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.00 | 0.47 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.05 | 0.47 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.10 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.15 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.20 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.25 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.30 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.35 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.40 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 51.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |

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* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5,  CRR is limited to 2,    CSR is limited to 2)

Units:  Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight =

pcf; Depth = ft; Settlement = in.

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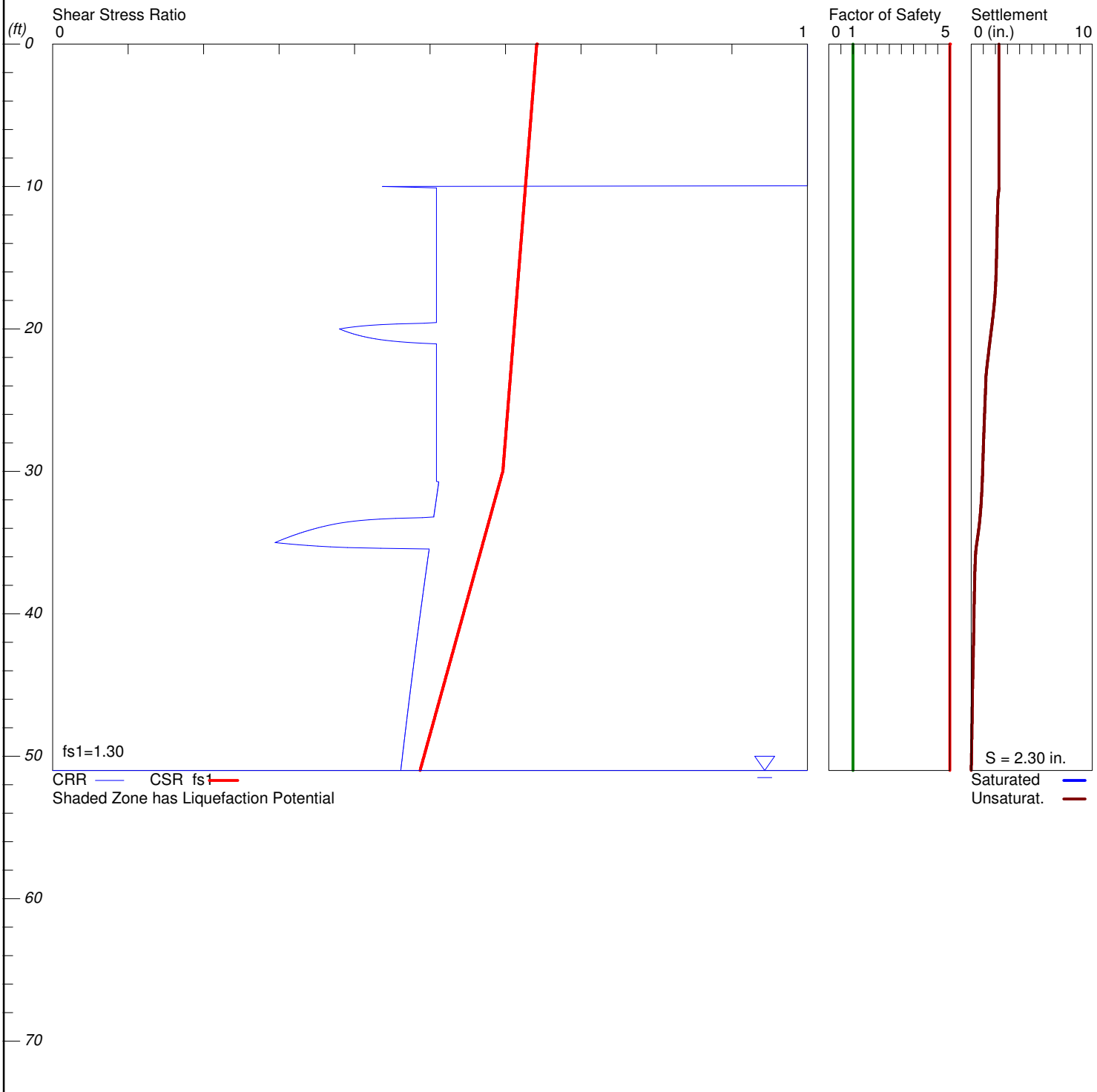
1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

# DYNAMIC SETTLEMENT ANALYSIS

## NEC Bob Hope Drive and Gerald Ford Drive, Rancho M

***Hole No.=BH-1  Water Depth=51 ft  Surface Elev.=300 F***

***Magnitude=7.45***
***Acceleration=0.759g***



**********
LIQUEFACTION ANALYSIS SUMMARY



**********
Font: Courier New, Regular, Size 8 is recommended for this report.
Licensed to ,  8/23/2023  9:55:41 AM

Input File Name: D:\Liquefy5\544-23112 BH-1 (10 Ft OX).liq
Title:  NEC Bob Hope Drive and Gerald Ford Drive, Rancho M
Subtitle:  Proposed Skilled Nursing Facility

Surface Elev.=300 F
Hole No.=BH-1
Depth of Hole= 51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration= 0.76 g
Earthquake Magnitude= 7.45

Input Data:
Surface Elev.=300 F
Hole No.=BH-1
Depth of Hole=51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration=0.76 g
Earthquake Magnitude=7.45
No-Liquefiable Soils:  CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
2. Settlement Analysis Method: Ishihara / Yoshimine
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.25
7. Borehole Diameter, Cb= 1
8. Sampling Method, Cs= 1
9. User request factor of safety (apply to CSR) ,  User= 1.3
   Plot one CSR curve (fs1=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:
Depth  SPT  gamma  Fines

| ft | | pcf | % |
|---|---|---|---|
| 0.00 | 12.00 | 105.00 | NoLiq |
| 5.00 | 12.00 | 105.00 | NoLiq |
| 10.00 | 15.00 | 105.00 | NoLiq |
| 15.00 | 32.60 | 105.00 | 6.60 |
| 20.00 | 24.00 | 105.00 | 6.50 |
| 25.00 | 32.00 | 108.50 | 5.20 |
| 30.00 | 38.00 | 108.50 | 7.20 |
| 35.00 | 27.30 | 112.70 | 4.20 |
| 40.00 | 85.00 | 112.70 | 8.40 |
| 45.00 | 66.60 | 112.70 | 4.80 |
| 50.00 | 47.00 | 112.70 | 9.60 |

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=2.30 in.
Total Settlement of Saturated and Unsaturated Sands=2.30 in.
Differential Settlement=1.151 to 1.520 in.

| Depth ft | CRRm | CSRfs | F.S. | S_sat. in. | S_dry in. | S_all in. |
|---|---|---|---|---|---|---|
| 0.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 0.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 1.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 2.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |

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|---|---|---|---|---|---|---|
| 3.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 3.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 4.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 5.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |

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|---|---|---|---|---|---|---|
| 6.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 6.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 7.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 8.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 8.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 9.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.00 | 0.44 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.05 | 0.48 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.10 | 0.51 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.15 | 0.51 | 0.63 | 5.00 | 0.00 | 2.30 | 2.30 |
| 10.20 | 0.51 | 0.63 | 5.00 | 0.00 | 2.29 | 2.29 |
| 10.25 | 0.51 | 0.63 | 5.00 | 0.00 | 2.28 | 2.28 |
| 10.30 | 0.51 | 0.63 | 5.00 | 0.00 | 2.27 | 2.27 |
| 10.35 | 0.51 | 0.63 | 5.00 | 0.00 | 2.27 | 2.27 |
| 10.40 | 0.51 | 0.63 | 5.00 | 0.00 | 2.26 | 2.26 |
| 10.45 | 0.51 | 0.63 | 5.00 | 0.00 | 2.25 | 2.25 |
| 10.50 | 0.51 | 0.63 | 5.00 | 0.00 | 2.25 | 2.25 |
| 10.55 | 0.51 | 0.63 | 5.00 | 0.00 | 2.24 | 2.24 |
| 10.60 | 0.51 | 0.63 | 5.00 | 0.00 | 2.24 | 2.24 |
| 10.65 | 0.51 | 0.63 | 5.00 | 0.00 | 2.23 | 2.23 |
| 10.70 | 0.51 | 0.63 | 5.00 | 0.00 | 2.22 | 2.22 |
| 10.75 | 0.51 | 0.63 | 5.00 | 0.00 | 2.22 | 2.22 |
| 10.80 | 0.51 | 0.63 | 5.00 | 0.00 | 2.21 | 2.21 |
| 10.85 | 0.51 | 0.63 | 5.00 | 0.00 | 2.20 | 2.20 |
| 10.90 | 0.51 | 0.63 | 5.00 | 0.00 | 2.20 | 2.20 |
| 10.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 11.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 11.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 11.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 11.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 11.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 11.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 12.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 12.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 12.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 12.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 13.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 13.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |

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|---|---|---|---|---|---|---|
| 13.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 13.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 13.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 13.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 14.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 14.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 14.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 14.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 14.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 15.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 15.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 15.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 15.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 15.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 16.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |

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|---|---|---|---|---|---|---|
| 16.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 16.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 16.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 16.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 16.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.00 | 2.00 |
| 17.30 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.35 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.40 | 0.51 | 0.62 | 5.00 | 0.00 | 1.99 | 1.99 |
| 17.45 | 0.51 | 0.62 | 5.00 | 0.00 | 1.98 | 1.98 |
| 17.50 | 0.51 | 0.62 | 5.00 | 0.00 | 1.98 | 1.98 |
| 17.55 | 0.51 | 0.62 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.60 | 0.51 | 0.62 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 17.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 17.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 17.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 17.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 17.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 17.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 18.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 18.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 18.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 18.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 18.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 18.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 18.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 18.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 18.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 18.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 18.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 18.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 18.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 18.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 18.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 18.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |

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|---|---|---|---|---|---|---|
| 18.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 18.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 18.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 18.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 19.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 19.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 19.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 19.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 19.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 19.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 19.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 19.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 19.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 19.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 19.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 19.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 19.60 | 0.49 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 19.65 | 0.46 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 19.70 | 0.43 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 19.75 | 0.42 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 19.80 | 0.41 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 19.85 | 0.40 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 19.90 | 0.39 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 19.95 | 0.39 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 20.00 | 0.38 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 20.05 | 0.38 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 20.10 | 0.38 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 20.15 | 0.39 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 20.20 | 0.39 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 20.25 | 0.39 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 20.30 | 0.40 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 20.35 | 0.40 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 20.40 | 0.40 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 20.45 | 0.41 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 20.50 | 0.41 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 20.55 | 0.41 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 20.60 | 0.42 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 20.65 | 0.42 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 20.70 | 0.43 | 0.61 | 5.00 | 0.00 | 1.57 | 1.57 |
| 20.75 | 0.43 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 20.80 | 0.44 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 20.85 | 0.45 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 20.90 | 0.46 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 20.95 | 0.47 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 21.00 | 0.49 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 21.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 21.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 21.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 21.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.50 | 1.50 |
| 21.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.49 | 1.49 |

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|---|---|---|---|---|---|---|
| 21.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.49 | 1.49 |
| 21.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.48 | 1.48 |
| 21.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.47 | 1.47 |
| 21.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.46 | 1.46 |
| 21.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.46 | 1.46 |
| 21.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.45 | 1.45 |
| 21.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.44 | 1.44 |
| 21.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.44 | 1.44 |
| 21.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.43 | 1.43 |
| 21.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.42 | 1.42 |
| 21.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.42 | 1.42 |
| 21.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.41 | 1.41 |
| 21.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.40 | 1.40 |
| 21.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.40 | 1.40 |
| 22.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.39 | 1.39 |
| 22.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.38 | 1.38 |
| 22.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.38 | 1.38 |
| 22.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.37 | 1.37 |
| 22.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.36 | 1.36 |
| 22.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.36 | 1.36 |
| 22.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.35 | 1.35 |
| 22.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.34 | 1.34 |
| 22.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.34 | 1.34 |
| 22.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.33 | 1.33 |
| 22.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.32 | 1.32 |
| 22.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.32 | 1.32 |
| 22.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.31 | 1.31 |
| 22.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.30 | 1.30 |
| 22.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.30 | 1.30 |
| 22.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.29 | 1.29 |
| 22.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.28 | 1.28 |
| 22.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.28 | 1.28 |
| 22.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.27 | 1.27 |
| 22.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.26 | 1.26 |
| 23.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.26 | 1.26 |
| 23.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.25 | 1.25 |
| 23.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.25 | 1.25 |
| 23.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.24 | 1.24 |
| 23.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.23 | 1.23 |
| 23.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.23 | 1.23 |
| 23.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.22 | 1.22 |
| 23.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.21 | 1.21 |
| 23.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |

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|---|---|---|---|---|---|---|
| 23.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 23.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.20 | 1.20 |
| 24.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.19 | 1.19 |
| 24.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 24.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 24.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 24.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 24.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 25.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 25.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 25.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 25.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 25.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 26.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 26.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 26.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |

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|---|---|---|---|---|---|---|
| 26.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 26.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 26.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 26.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 27.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 27.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 27.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.03 | 1.03 |
| 27.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 27.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 27.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.02 | 1.02 |
| 28.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.01 | 1.01 |
| 28.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.00 | 1.00 |
| 28.60 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.65 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.70 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.75 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |

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|---|---|---|---|---|---|---|
| 28.80 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.85 | 0.51 | 0.60 | 5.00 | 0.00 | 0.99 | 0.99 |
| 28.90 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 28.95 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.00 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.05 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.10 | 0.51 | 0.60 | 5.00 | 0.00 | 0.98 | 0.98 |
| 29.15 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.20 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.25 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.30 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.35 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.40 | 0.51 | 0.60 | 5.00 | 0.00 | 0.97 | 0.97 |
| 29.45 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.50 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.55 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.60 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.65 | 0.51 | 0.60 | 5.00 | 0.00 | 0.96 | 0.96 |
| 29.70 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.75 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.80 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.85 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.90 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 29.95 | 0.51 | 0.60 | 5.00 | 0.00 | 0.95 | 0.95 |
| 30.00 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.05 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.10 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.15 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.20 | 0.51 | 0.60 | 5.00 | 0.00 | 0.94 | 0.94 |
| 30.25 | 0.51 | 0.60 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.40 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.45 | 0.51 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 30.50 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.55 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.60 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.65 | 0.51 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 30.70 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.75 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 30.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 30.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.20 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.25 | 0.51 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |

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|---|---|---|---|---|---|---|
| 31.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.40 | 0.51 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.45 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.50 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.55 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.60 | 0.51 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 31.65 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.70 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.75 | 0.51 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 31.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.85 | 0.85 |
| 31.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.20 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.25 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.30 | 0.51 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.35 | 0.51 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.40 | 0.51 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.45 | 0.51 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.50 | 0.51 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.55 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.60 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.65 | 0.51 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.70 | 0.51 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.75 | 0.51 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.80 | 0.51 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 32.85 | 0.51 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 32.90 | 0.51 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 32.95 | 0.51 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.00 | 0.51 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.05 | 0.51 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.10 | 0.51 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.15 | 0.51 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.20 | 0.50 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.25 | 0.49 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.30 | 0.45 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.35 | 0.43 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.40 | 0.42 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.45 | 0.41 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.50 | 0.40 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.55 | 0.39 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.60 | 0.38 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.65 | 0.38 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.70 | 0.37 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |
| 33.75 | 0.37 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |

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|---|---|---|---|---|---|---|
| 33.80 | 0.36 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 33.85 | 0.36 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 33.90 | 0.36 | 0.58 | 5.00 | 0.00 | 0.64 | 0.64 |
| 33.95 | 0.35 | 0.58 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.00 | 0.35 | 0.58 | 5.00 | 0.00 | 0.63 | 0.63 |
| 34.05 | 0.35 | 0.58 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.10 | 0.34 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.15 | 0.34 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.20 | 0.34 | 0.57 | 5.00 | 0.00 | 0.60 | 0.60 |
| 34.25 | 0.33 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.30 | 0.33 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.35 | 0.33 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.40 | 0.32 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.45 | 0.32 | 0.57 | 5.00 | 0.00 | 0.56 | 0.56 |
| 34.50 | 0.32 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.55 | 0.32 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 34.60 | 0.31 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 34.65 | 0.31 | 0.57 | 5.00 | 0.00 | 0.53 | 0.53 |
| 34.70 | 0.31 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 34.75 | 0.31 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 34.80 | 0.30 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 34.85 | 0.30 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 34.90 | 0.30 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 34.95 | 0.30 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.00 | 0.29 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.05 | 0.30 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.10 | 0.31 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.15 | 0.33 | 0.57 | 5.00 | 0.00 | 0.44 | 0.44 |
| 35.20 | 0.34 | 0.57 | 5.00 | 0.00 | 0.43 | 0.43 |
| 35.25 | 0.35 | 0.57 | 5.00 | 0.00 | 0.43 | 0.43 |
| 35.30 | 0.37 | 0.57 | 5.00 | 0.00 | 0.42 | 0.42 |
| 35.35 | 0.39 | 0.57 | 5.00 | 0.00 | 0.41 | 0.41 |
| 35.40 | 0.43 | 0.57 | 5.00 | 0.00 | 0.40 | 0.40 |
| 35.45 | 0.50 | 0.57 | 5.00 | 0.00 | 0.40 | 0.40 |
| 35.50 | 0.50 | 0.57 | 5.00 | 0.00 | 0.39 | 0.39 |
| 35.55 | 0.50 | 0.57 | 5.00 | 0.00 | 0.39 | 0.39 |
| 35.60 | 0.50 | 0.57 | 5.00 | 0.00 | 0.38 | 0.38 |
| 35.65 | 0.50 | 0.57 | 5.00 | 0.00 | 0.38 | 0.38 |
| 35.70 | 0.50 | 0.57 | 5.00 | 0.00 | 0.37 | 0.37 |
| 35.75 | 0.50 | 0.57 | 5.00 | 0.00 | 0.37 | 0.37 |
| 35.80 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.85 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.90 | 0.50 | 0.57 | 5.00 | 0.00 | 0.36 | 0.36 |
| 35.95 | 0.50 | 0.57 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.00 | 0.50 | 0.57 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 36.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.34 | 0.34 |
| 36.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |

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|---|---|---|---|---|---|---|
| 36.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.33 | 0.33 |
| 36.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.55 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.60 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.65 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.70 | 0.50 | 0.56 | 5.00 | 0.00 | 0.32 | 0.32 |
| 36.75 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.80 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.85 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.90 | 0.50 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 36.95 | 0.49 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 37.00 | 0.49 | 0.56 | 5.00 | 0.00 | 0.31 | 0.31 |
| 37.05 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.10 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.15 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.20 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.25 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.30 | 0.49 | 0.56 | 5.00 | 0.00 | 0.30 | 0.30 |
| 37.35 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.40 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.45 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.50 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.55 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.60 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.65 | 0.49 | 0.56 | 5.00 | 0.00 | 0.29 | 0.29 |
| 37.70 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.75 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.80 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.85 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.90 | 0.49 | 0.56 | 5.00 | 0.00 | 0.28 | 0.28 |
| 37.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.28 | 0.28 |
| 38.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.28 | 0.28 |
| 38.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.27 | 0.27 |
| 38.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |

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|---|---|---|---|---|---|---|
| 38.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.85 | 0.49 | 0.55 | 5.00 | 0.00 | 0.26 | 0.26 |
| 38.90 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 38.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.25 | 0.25 |
| 39.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.24 | 0.24 |
| 39.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 39.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 39.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.23 | 0.23 |
| 40.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.55 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.60 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.65 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.70 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.75 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.80 | 0.49 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.85 | 0.48 | 0.54 | 5.00 | 0.00 | 0.22 | 0.22 |
| 40.90 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 40.95 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.00 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.05 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.10 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.15 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.20 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.25 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |

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|---|---|---|---|---|---|---|
| 41.30 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.35 | 0.48 | 0.54 | 5.00 | 0.00 | 0.21 | 0.21 |
| 41.40 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.45 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.50 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.55 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.60 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.65 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.70 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.75 | 0.48 | 0.54 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 41.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 41.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 41.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 42.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.70 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 42.75 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 42.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |

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|---|---|---|---|---|---|---|
| 43.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 43.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.60 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.65 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.95 | 0.47 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.00 | 0.47 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.05 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.10 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.15 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.20 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.25 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.30 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.35 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.40 | 0.47 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.45 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.50 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.55 | 0.47 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.10 | 0.10 |
| 46.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |

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|---|---|---|---|---|---|---|
| 46.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.55 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 46.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 47.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.07 | 0.07 |
| 47.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.45 | 0.47 | 0.50 | 5.00 | 0.00 | 0.06 | 0.06 |
| 48.50 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |

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|---|---|---|---|---|---|---|
| 48.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 49.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 49.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.30 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.35 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.40 | 0.46 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.04 | 0.04 |
| 49.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.03 | 0.03 |
| 50.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.05 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.10 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.15 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.20 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.25 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.30 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.35 | 0.46 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.40 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 51.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |

---

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5,  CRR is limited to 2,  CSR is limited to 2)

Units:  Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight =

pcf; Depth = ft; Settlement = in.

---

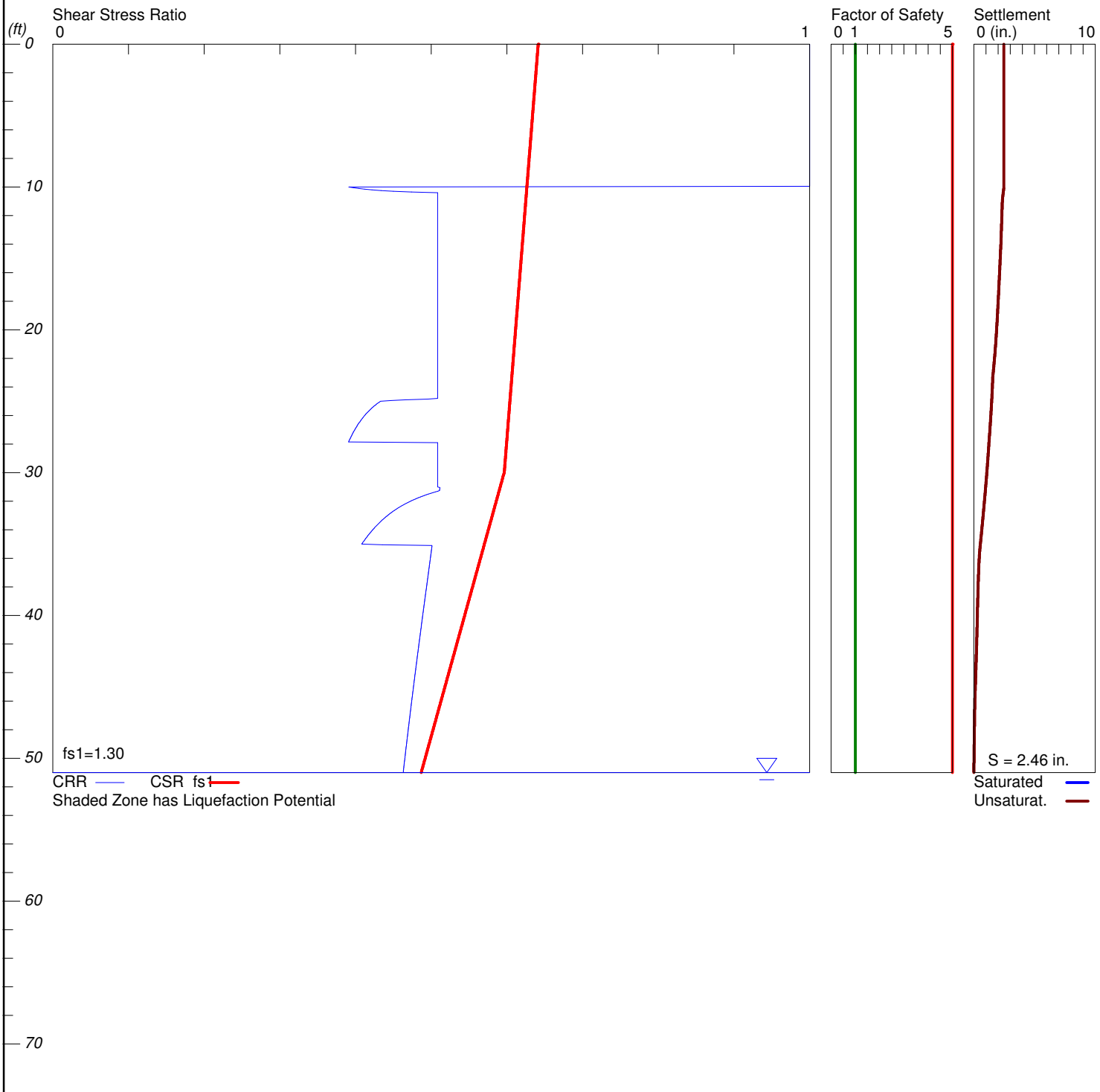
1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

# DYNAMIC SETTLEMENT ANALYSIS

## NEC Bob Hope Drive and Gerald Ford Drive, Rancho M

***Hole No.=BH-2  Water Depth=51 ft  Surface Elev.=300 F***

***Magnitude=7.45***
***Acceleration=0.759g***



**********
LIQUEFACTION ANALYSIS SUMMARY



**********
Font: Courier New, Regular, Size 8 is recommended for this report.
Licensed to ,  8/23/2023  9:54:44 AM

Input File Name: D:\Liquefy5\544-23112 BH-2 (10 Ft OX).liq
Title:  NEC Bob Hope Drive and Gerald Ford Drive, Rancho M
Subtitle:  Proposed Skilled Nursing Facility

Surface Elev.=300 F
Hole No.=BH-2
Depth of Hole= 51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration= 0.76 g
Earthquake Magnitude= 7.45

Input Data:
Surface Elev.=300 F
Hole No.=BH-2
Depth of Hole=51.00 ft
Water Table during Earthquake= 51.00 ft
Water Table during In-Situ Testing= 51.00 ft
Max. Acceleration=0.76 g
Earthquake Magnitude=7.45
No-Liquefiable Soils:  CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
2. Settlement Analysis Method: Ishihara / Yoshimine
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.25
7. Borehole Diameter, Cb= 1
8. Sampling Method, Cs= 1
9. User request factor of safety (apply to CSR) ,  User= 1.3
   Plot one CSR curve (fs1=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:
Depth  SPT  gamma  Fines

| ft | | pcf | |
|---|---|---|---|
| 0.00 | 9.00 | 105.00 | NoLiq |
| 5.00 | 9.00 | 105.00 | NoLiq |
| 10.00 | 14.60 | 105.00 | NoLiq |
| 15.00 | 26.00 | 105.00 | 8.00 |
| 20.00 | 34.00 | 105.00 | 8.00 |
| 25.00 | 27.00 | 105.00 | 9.20 |
| 30.00 | 28.00 | 105.00 | 11.80 |
| 35.00 | 31.00 | 105.00 | 5.80 |
| 40.00 | 61.30 | 111.80 | 6.20 |
| 45.00 | 50.00 | 111.80 | 7.10 |
| 50.00 | 66.60 | 110.20 | 7.30 |

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=2.46 in.
Total Settlement of Saturated and Unsaturated Sands=2.46 in.
Differential Settlement=1.232 to 1.626 in.

| Depth ft | CRRm | CSRfs | F.S. | S_sat. in. | S_dry in. | S_all in. |
|---|---|---|---|---|---|---|
| 0.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 0.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 1.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 2.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.25 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.30 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.35 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.40 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.45 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.50 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.55 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.60 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.65 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.70 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.75 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3.80 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.85 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.90 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 3.95 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.00 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.05 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.10 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.15 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.20 | 2.00 | 0.64 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 4.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 5.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 6.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 6.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 7.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 8.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 8.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.00 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.05 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.10 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.15 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.20 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.25 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.30 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.35 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.40 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.45 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.50 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.55 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.60 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.65 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.70 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.75 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.80 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.85 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.90 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 9.95 | 2.00 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.00 | 0.39 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.05 | 0.40 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.10 | 0.40 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.15 | 0.41 | 0.63 | 5.00 | 0.00 | 2.46 | 2.46 |
| 10.20 | 0.42 | 0.63 | 5.00 | 0.00 | 2.45 | 2.45 |
| 10.25 | 0.43 | 0.63 | 5.00 | 0.00 | 2.44 | 2.44 |
| 10.30 | 0.45 | 0.63 | 5.00 | 0.00 | 2.43 | 2.43 |
| 10.35 | 0.47 | 0.63 | 5.00 | 0.00 | 2.43 | 2.43 |
| 10.40 | 0.51 | 0.63 | 5.00 | 0.00 | 2.42 | 2.42 |
| 10.45 | 0.51 | 0.63 | 5.00 | 0.00 | 2.41 | 2.41 |
| 10.50 | 0.51 | 0.63 | 5.00 | 0.00 | 2.41 | 2.41 |
| 10.55 | 0.51 | 0.63 | 5.00 | 0.00 | 2.40 | 2.40 |
| 10.60 | 0.51 | 0.63 | 5.00 | 0.00 | 2.39 | 2.39 |
| 10.65 | 0.51 | 0.63 | 5.00 | 0.00 | 2.38 | 2.38 |
| 10.70 | 0.51 | 0.63 | 5.00 | 0.00 | 2.38 | 2.38 |
| 10.75 | 0.51 | 0.63 | 5.00 | 0.00 | 2.37 | 2.37 |
| 10.80 | 0.51 | 0.63 | 5.00 | 0.00 | 2.36 | 2.36 |
| 10.85 | 0.51 | 0.63 | 5.00 | 0.00 | 2.36 | 2.36 |
| 10.90 | 0.51 | 0.63 | 5.00 | 0.00 | 2.35 | 2.35 |
| 10.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.35 | 2.35 |
| 11.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.35 | 2.35 |
| 11.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 11.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 11.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 11.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |
| 11.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.34 | 2.34 |

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|---|---|---|---|---|---|---|
| 11.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.33 | 2.33 |
| 11.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.32 | 2.32 |
| 11.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 11.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 11.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 11.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 12.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.31 | 2.31 |
| 12.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.30 | 2.30 |
| 12.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.29 | 2.29 |
| 12.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.28 | 2.28 |
| 12.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 12.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 12.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.27 | 2.27 |
| 13.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.26 | 2.26 |
| 13.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.25 | 2.25 |
| 13.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 13.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 13.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 13.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |

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|---|---|---|---|---|---|---|
| 13.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.24 | 2.24 |
| 13.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 13.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 13.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 14.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.23 | 2.23 |
| 14.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.22 | 2.22 |
| 14.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.21 | 2.21 |
| 14.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.20 | 2.20 |
| 14.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.19 | 2.19 |
| 14.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.18 | 2.18 |
| 14.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.17 | 2.17 |
| 15.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.16 | 2.16 |
| 15.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.15 | 2.15 |
| 15.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.14 | 2.14 |
| 15.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.13 | 2.13 |
| 15.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 15.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.12 | 2.12 |
| 16.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.11 | 2.11 |
| 16.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |

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|---|---|---|---|---|---|---|
| 16.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.10 | 2.10 |
| 16.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.09 | 2.09 |
| 16.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.65 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.70 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.75 | 0.51 | 0.62 | 5.00 | 0.00 | 2.08 | 2.08 |
| 16.80 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.85 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.90 | 0.51 | 0.62 | 5.00 | 0.00 | 2.07 | 2.07 |
| 16.95 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.00 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.05 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.10 | 0.51 | 0.62 | 5.00 | 0.00 | 2.06 | 2.06 |
| 17.15 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.20 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.25 | 0.51 | 0.62 | 5.00 | 0.00 | 2.05 | 2.05 |
| 17.30 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.35 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.40 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.45 | 0.51 | 0.62 | 5.00 | 0.00 | 2.04 | 2.04 |
| 17.50 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.55 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.60 | 0.51 | 0.62 | 5.00 | 0.00 | 2.03 | 2.03 |
| 17.65 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.70 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.75 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.80 | 0.51 | 0.61 | 5.00 | 0.00 | 2.02 | 2.02 |
| 17.85 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.90 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 17.95 | 0.51 | 0.61 | 5.00 | 0.00 | 2.01 | 2.01 |
| 18.00 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.05 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.10 | 0.51 | 0.61 | 5.00 | 0.00 | 2.00 | 2.00 |
| 18.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.99 | 1.99 |
| 18.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.98 | 1.98 |
| 18.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.97 | 1.97 |
| 18.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 18.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |
| 18.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.96 | 1.96 |

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|---|---|---|---|---|---|---|
| 18.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.95 | 1.95 |
| 18.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.94 | 1.94 |
| 19.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.93 | 1.93 |
| 19.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.92 | 1.92 |
| 19.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.91 | 1.91 |
| 19.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.90 | 1.90 |
| 19.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 19.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.89 | 1.89 |
| 19.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 19.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 19.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.88 | 1.88 |
| 20.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.87 | 1.87 |
| 20.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.86 | 1.86 |
| 20.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 20.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.85 | 1.85 |
| 20.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.84 | 1.84 |
| 20.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 20.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.83 | 1.83 |
| 20.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.82 | 1.82 |
| 20.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 20.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.81 | 1.81 |
| 20.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 20.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.80 | 1.80 |
| 21.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.79 | 1.79 |
| 21.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 21.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.78 | 1.78 |
| 21.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |

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|---|---|---|---|---|---|---|
| 21.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.77 | 1.77 |
| 21.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 21.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.76 | 1.76 |
| 21.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.75 | 1.75 |
| 21.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 21.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.74 | 1.74 |
| 21.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 21.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.73 | 1.73 |
| 21.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 21.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.72 | 1.72 |
| 21.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 21.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.71 | 1.71 |
| 22.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 22.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.70 | 1.70 |
| 22.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 22.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.69 | 1.69 |
| 22.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 22.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.68 | 1.68 |
| 22.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.67 | 1.67 |
| 22.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 22.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.66 | 1.66 |
| 22.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 22.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.65 | 1.65 |
| 22.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 22.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.64 | 1.64 |
| 22.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 22.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.63 | 1.63 |
| 22.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 22.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.62 | 1.62 |
| 22.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.61 | 1.61 |
| 22.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 22.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.60 | 1.60 |
| 23.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 23.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.59 | 1.59 |
| 23.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 23.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.58 | 1.58 |
| 23.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.57 | 1.57 |
| 23.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.35 | 0.51 | 0.61 | 5.00 | 0.00 | 1.56 | 1.56 |
| 23.40 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.45 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.50 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.55 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.60 | 0.51 | 0.61 | 5.00 | 0.00 | 1.55 | 1.55 |
| 23.65 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.70 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.75 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |

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|---|---|---|---|---|---|---|
| 23.80 | 0.51 | 0.61 | 5.00 | 0.00 | 1.54 | 1.54 |
| 23.85 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 23.90 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 23.95 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 24.00 | 0.51 | 0.61 | 5.00 | 0.00 | 1.53 | 1.53 |
| 24.05 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.10 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.15 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.20 | 0.51 | 0.61 | 5.00 | 0.00 | 1.52 | 1.52 |
| 24.25 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.30 | 0.51 | 0.61 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.51 | 1.51 |
| 24.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.50 | 1.50 |
| 24.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.49 | 1.49 |
| 24.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.85 | 0.50 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.90 | 0.47 | 0.60 | 5.00 | 0.00 | 1.48 | 1.48 |
| 24.95 | 0.45 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.00 | 0.43 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.05 | 0.43 | 0.60 | 5.00 | 0.00 | 1.47 | 1.47 |
| 25.10 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.15 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.20 | 0.43 | 0.60 | 5.00 | 0.00 | 1.46 | 1.46 |
| 25.25 | 0.43 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.30 | 0.43 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.35 | 0.42 | 0.60 | 5.00 | 0.00 | 1.45 | 1.45 |
| 25.40 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.45 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.50 | 0.42 | 0.60 | 5.00 | 0.00 | 1.44 | 1.44 |
| 25.55 | 0.42 | 0.60 | 5.00 | 0.00 | 1.43 | 1.43 |
| 25.60 | 0.42 | 0.60 | 5.00 | 0.00 | 1.43 | 1.43 |
| 25.65 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.70 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.75 | 0.42 | 0.60 | 5.00 | 0.00 | 1.42 | 1.42 |
| 25.80 | 0.42 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.85 | 0.41 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.90 | 0.41 | 0.60 | 5.00 | 0.00 | 1.41 | 1.41 |
| 25.95 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.00 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.05 | 0.41 | 0.60 | 5.00 | 0.00 | 1.40 | 1.40 |
| 26.10 | 0.41 | 0.60 | 5.00 | 0.00 | 1.39 | 1.39 |
| 26.15 | 0.41 | 0.60 | 5.00 | 0.00 | 1.39 | 1.39 |
| 26.20 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |
| 26.25 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |

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|---|---|---|---|---|---|---|
| 26.30 | 0.41 | 0.60 | 5.00 | 0.00 | 1.38 | 1.38 |
| 26.35 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.40 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.45 | 0.41 | 0.60 | 5.00 | 0.00 | 1.37 | 1.37 |
| 26.50 | 0.40 | 0.60 | 5.00 | 0.00 | 1.36 | 1.36 |
| 26.55 | 0.40 | 0.60 | 5.00 | 0.00 | 1.36 | 1.36 |
| 26.60 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.65 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.70 | 0.40 | 0.60 | 5.00 | 0.00 | 1.35 | 1.35 |
| 26.75 | 0.40 | 0.60 | 5.00 | 0.00 | 1.34 | 1.34 |
| 26.80 | 0.40 | 0.60 | 5.00 | 0.00 | 1.34 | 1.34 |
| 26.85 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 26.90 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 26.95 | 0.40 | 0.60 | 5.00 | 0.00 | 1.33 | 1.33 |
| 27.00 | 0.40 | 0.60 | 5.00 | 0.00 | 1.32 | 1.32 |
| 27.05 | 0.40 | 0.60 | 5.00 | 0.00 | 1.32 | 1.32 |
| 27.10 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.15 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.20 | 0.40 | 0.60 | 5.00 | 0.00 | 1.31 | 1.31 |
| 27.25 | 0.40 | 0.60 | 5.00 | 0.00 | 1.30 | 1.30 |
| 27.30 | 0.40 | 0.60 | 5.00 | 0.00 | 1.30 | 1.30 |
| 27.35 | 0.40 | 0.60 | 5.00 | 0.00 | 1.29 | 1.29 |
| 27.40 | 0.39 | 0.60 | 5.00 | 0.00 | 1.29 | 1.29 |
| 27.45 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.50 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.55 | 0.39 | 0.60 | 5.00 | 0.00 | 1.28 | 1.28 |
| 27.60 | 0.39 | 0.60 | 5.00 | 0.00 | 1.27 | 1.27 |
| 27.65 | 0.39 | 0.60 | 5.00 | 0.00 | 1.27 | 1.27 |
| 27.70 | 0.39 | 0.60 | 5.00 | 0.00 | 1.26 | 1.26 |
| 27.75 | 0.39 | 0.60 | 5.00 | 0.00 | 1.26 | 1.26 |
| 27.80 | 0.39 | 0.60 | 5.00 | 0.00 | 1.25 | 1.25 |
| 27.85 | 0.39 | 0.60 | 5.00 | 0.00 | 1.25 | 1.25 |
| 27.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 27.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 28.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.24 | 1.24 |
| 28.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.23 | 1.23 |
| 28.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.22 | 1.22 |
| 28.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.22 | 1.22 |
| 28.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.21 | 1.21 |
| 28.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.20 | 1.20 |
| 28.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.20 | 1.20 |
| 28.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.19 | 1.19 |
| 28.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |
| 28.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.18 | 1.18 |

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|---|---|---|---|---|---|---|
| 28.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 28.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.17 | 1.17 |
| 28.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 28.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 29.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.16 | 1.16 |
| 29.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 29.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.15 | 1.15 |
| 29.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.14 | 1.14 |
| 29.30 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 29.35 | 0.51 | 0.60 | 5.00 | 0.00 | 1.13 | 1.13 |
| 29.40 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 29.45 | 0.51 | 0.60 | 5.00 | 0.00 | 1.12 | 1.12 |
| 29.50 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 29.55 | 0.51 | 0.60 | 5.00 | 0.00 | 1.11 | 1.11 |
| 29.60 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.65 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.70 | 0.51 | 0.60 | 5.00 | 0.00 | 1.10 | 1.10 |
| 29.75 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 29.80 | 0.51 | 0.60 | 5.00 | 0.00 | 1.09 | 1.09 |
| 29.85 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 29.90 | 0.51 | 0.60 | 5.00 | 0.00 | 1.08 | 1.08 |
| 29.95 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 30.00 | 0.51 | 0.60 | 5.00 | 0.00 | 1.07 | 1.07 |
| 30.05 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 30.10 | 0.51 | 0.60 | 5.00 | 0.00 | 1.06 | 1.06 |
| 30.15 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 30.20 | 0.51 | 0.60 | 5.00 | 0.00 | 1.05 | 1.05 |
| 30.25 | 0.51 | 0.60 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.30 | 0.51 | 0.59 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.35 | 0.51 | 0.59 | 5.00 | 0.00 | 1.04 | 1.04 |
| 30.40 | 0.51 | 0.59 | 5.00 | 0.00 | 1.03 | 1.03 |
| 30.45 | 0.51 | 0.59 | 5.00 | 0.00 | 1.03 | 1.03 |
| 30.50 | 0.51 | 0.59 | 5.00 | 0.00 | 1.02 | 1.02 |
| 30.55 | 0.51 | 0.59 | 5.00 | 0.00 | 1.02 | 1.02 |
| 30.60 | 0.51 | 0.59 | 5.00 | 0.00 | 1.01 | 1.01 |
| 30.65 | 0.51 | 0.59 | 5.00 | 0.00 | 1.01 | 1.01 |
| 30.70 | 0.51 | 0.59 | 5.00 | 0.00 | 1.00 | 1.00 |
| 30.75 | 0.51 | 0.59 | 5.00 | 0.00 | 1.00 | 1.00 |
| 30.80 | 0.51 | 0.59 | 5.00 | 0.00 | 0.99 | 0.99 |
| 30.85 | 0.51 | 0.59 | 5.00 | 0.00 | 0.99 | 0.99 |
| 30.90 | 0.51 | 0.59 | 5.00 | 0.00 | 0.98 | 0.98 |
| 30.95 | 0.51 | 0.59 | 5.00 | 0.00 | 0.98 | 0.98 |
| 31.00 | 0.51 | 0.59 | 5.00 | 0.00 | 0.97 | 0.97 |
| 31.05 | 0.51 | 0.59 | 5.00 | 0.00 | 0.97 | 0.97 |
| 31.10 | 0.51 | 0.59 | 5.00 | 0.00 | 0.96 | 0.96 |
| 31.15 | 0.51 | 0.59 | 5.00 | 0.00 | 0.96 | 0.96 |
| 31.20 | 0.51 | 0.59 | 5.00 | 0.00 | 0.95 | 0.95 |
| 31.25 | 0.51 | 0.59 | 5.00 | 0.00 | 0.95 | 0.95 |

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|---|---|---|---|---|---|---|
| 31.30 | 0.51 | 0.59 | 5.00 | 0.00 | 0.94 | 0.94 |
| 31.35 | 0.51 | 0.59 | 5.00 | 0.00 | 0.94 | 0.94 |
| 31.40 | 0.50 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 31.45 | 0.50 | 0.59 | 5.00 | 0.00 | 0.93 | 0.93 |
| 31.50 | 0.50 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 31.55 | 0.49 | 0.59 | 5.00 | 0.00 | 0.92 | 0.92 |
| 31.60 | 0.49 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 31.65 | 0.49 | 0.59 | 5.00 | 0.00 | 0.91 | 0.91 |
| 31.70 | 0.49 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.75 | 0.48 | 0.59 | 5.00 | 0.00 | 0.90 | 0.90 |
| 31.80 | 0.48 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.85 | 0.48 | 0.59 | 5.00 | 0.00 | 0.89 | 0.89 |
| 31.90 | 0.48 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 31.95 | 0.47 | 0.59 | 5.00 | 0.00 | 0.88 | 0.88 |
| 32.00 | 0.47 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 32.05 | 0.47 | 0.59 | 5.00 | 0.00 | 0.87 | 0.87 |
| 32.10 | 0.47 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 32.15 | 0.47 | 0.59 | 5.00 | 0.00 | 0.86 | 0.86 |
| 32.20 | 0.47 | 0.58 | 5.00 | 0.00 | 0.85 | 0.85 |
| 32.25 | 0.46 | 0.58 | 5.00 | 0.00 | 0.85 | 0.85 |
| 32.30 | 0.46 | 0.58 | 5.00 | 0.00 | 0.84 | 0.84 |
| 32.35 | 0.46 | 0.58 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.40 | 0.46 | 0.58 | 5.00 | 0.00 | 0.83 | 0.83 |
| 32.45 | 0.46 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.50 | 0.46 | 0.58 | 5.00 | 0.00 | 0.82 | 0.82 |
| 32.55 | 0.45 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.60 | 0.45 | 0.58 | 5.00 | 0.00 | 0.81 | 0.81 |
| 32.65 | 0.45 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.70 | 0.45 | 0.58 | 5.00 | 0.00 | 0.80 | 0.80 |
| 32.75 | 0.45 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.80 | 0.45 | 0.58 | 5.00 | 0.00 | 0.79 | 0.79 |
| 32.85 | 0.45 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.90 | 0.44 | 0.58 | 5.00 | 0.00 | 0.78 | 0.78 |
| 32.95 | 0.44 | 0.58 | 5.00 | 0.00 | 0.77 | 0.77 |
| 33.00 | 0.44 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.05 | 0.44 | 0.58 | 5.00 | 0.00 | 0.76 | 0.76 |
| 33.10 | 0.44 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.15 | 0.44 | 0.58 | 5.00 | 0.00 | 0.75 | 0.75 |
| 33.20 | 0.44 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.25 | 0.44 | 0.58 | 5.00 | 0.00 | 0.74 | 0.74 |
| 33.30 | 0.44 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.35 | 0.43 | 0.58 | 5.00 | 0.00 | 0.73 | 0.73 |
| 33.40 | 0.43 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.45 | 0.43 | 0.58 | 5.00 | 0.00 | 0.72 | 0.72 |
| 33.50 | 0.43 | 0.58 | 5.00 | 0.00 | 0.71 | 0.71 |
| 33.55 | 0.43 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.60 | 0.43 | 0.58 | 5.00 | 0.00 | 0.70 | 0.70 |
| 33.65 | 0.43 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.70 | 0.43 | 0.58 | 5.00 | 0.00 | 0.69 | 0.69 |
| 33.75 | 0.43 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |

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|---|---|---|---|---|---|---|
| 33.80 | 0.43 | 0.58 | 5.00 | 0.00 | 0.68 | 0.68 |
| 33.85 | 0.43 | 0.58 | 5.00 | 0.00 | 0.67 | 0.67 |
| 33.90 | 0.42 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 33.95 | 0.42 | 0.58 | 5.00 | 0.00 | 0.66 | 0.66 |
| 34.00 | 0.42 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 34.05 | 0.42 | 0.58 | 5.00 | 0.00 | 0.65 | 0.65 |
| 34.10 | 0.42 | 0.57 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.15 | 0.42 | 0.57 | 5.00 | 0.00 | 0.64 | 0.64 |
| 34.20 | 0.42 | 0.57 | 5.00 | 0.00 | 0.63 | 0.63 |
| 34.25 | 0.42 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.30 | 0.42 | 0.57 | 5.00 | 0.00 | 0.62 | 0.62 |
| 34.35 | 0.42 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.40 | 0.42 | 0.57 | 5.00 | 0.00 | 0.61 | 0.61 |
| 34.45 | 0.42 | 0.57 | 5.00 | 0.00 | 0.60 | 0.60 |
| 34.50 | 0.42 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.55 | 0.41 | 0.57 | 5.00 | 0.00 | 0.59 | 0.59 |
| 34.60 | 0.41 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.65 | 0.41 | 0.57 | 5.00 | 0.00 | 0.58 | 0.58 |
| 34.70 | 0.41 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.75 | 0.41 | 0.57 | 5.00 | 0.00 | 0.57 | 0.57 |
| 34.80 | 0.41 | 0.57 | 5.00 | 0.00 | 0.56 | 0.56 |
| 34.85 | 0.41 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.90 | 0.41 | 0.57 | 5.00 | 0.00 | 0.55 | 0.55 |
| 34.95 | 0.41 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 35.00 | 0.41 | 0.57 | 5.00 | 0.00 | 0.54 | 0.54 |
| 35.05 | 0.44 | 0.57 | 5.00 | 0.00 | 0.53 | 0.53 |
| 35.10 | 0.50 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 35.15 | 0.50 | 0.57 | 5.00 | 0.00 | 0.52 | 0.52 |
| 35.20 | 0.50 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 35.25 | 0.50 | 0.57 | 5.00 | 0.00 | 0.51 | 0.51 |
| 35.30 | 0.50 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 35.35 | 0.50 | 0.57 | 5.00 | 0.00 | 0.50 | 0.50 |
| 35.40 | 0.50 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 35.45 | 0.50 | 0.57 | 5.00 | 0.00 | 0.49 | 0.49 |
| 35.50 | 0.50 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.55 | 0.50 | 0.57 | 5.00 | 0.00 | 0.48 | 0.48 |
| 35.60 | 0.50 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.65 | 0.50 | 0.57 | 5.00 | 0.00 | 0.47 | 0.47 |
| 35.70 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.75 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.80 | 0.50 | 0.57 | 5.00 | 0.00 | 0.46 | 0.46 |
| 35.85 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.90 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 35.95 | 0.50 | 0.57 | 5.00 | 0.00 | 0.45 | 0.45 |
| 36.00 | 0.50 | 0.57 | 5.00 | 0.00 | 0.44 | 0.44 |
| 36.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.44 | 0.44 |
| 36.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |
| 36.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.43 | 0.43 |

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|---|---|---|---|---|---|---|
| 36.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.42 | 0.42 |
| 36.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.55 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.60 | 0.50 | 0.56 | 5.00 | 0.00 | 0.41 | 0.41 |
| 36.65 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.70 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.75 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.80 | 0.50 | 0.56 | 5.00 | 0.00 | 0.40 | 0.40 |
| 36.85 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 36.90 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 36.95 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.00 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.05 | 0.50 | 0.56 | 5.00 | 0.00 | 0.39 | 0.39 |
| 37.10 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.15 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.20 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.25 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.30 | 0.50 | 0.56 | 5.00 | 0.00 | 0.38 | 0.38 |
| 37.35 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.40 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.45 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.50 | 0.50 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.55 | 0.49 | 0.56 | 5.00 | 0.00 | 0.37 | 0.37 |
| 37.60 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.65 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.70 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.75 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.80 | 0.49 | 0.56 | 5.00 | 0.00 | 0.36 | 0.36 |
| 37.85 | 0.49 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 37.90 | 0.49 | 0.56 | 5.00 | 0.00 | 0.35 | 0.35 |
| 37.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.35 | 0.35 |
| 38.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.34 | 0.34 |
| 38.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.33 | 0.33 |
| 38.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |

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|---|---|---|---|---|---|---|
| 38.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.85 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.90 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 38.95 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.00 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.05 | 0.49 | 0.55 | 5.00 | 0.00 | 0.32 | 0.32 |
| 39.10 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.15 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.20 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.25 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.30 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.35 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.40 | 0.49 | 0.55 | 5.00 | 0.00 | 0.31 | 0.31 |
| 39.45 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.50 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.55 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.60 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.65 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.70 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.75 | 0.49 | 0.55 | 5.00 | 0.00 | 0.30 | 0.30 |
| 39.80 | 0.49 | 0.55 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 39.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.29 | 0.29 |
| 40.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.28 | 0.28 |
| 40.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.55 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.60 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.65 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.70 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.75 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.80 | 0.49 | 0.54 | 5.00 | 0.00 | 0.27 | 0.27 |
| 40.85 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 40.90 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 40.95 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.00 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.05 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.10 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.15 | 0.49 | 0.54 | 5.00 | 0.00 | 0.26 | 0.26 |
| 41.20 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.25 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |

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|---|---|---|---|---|---|---|
| 41.30 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.35 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.40 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.45 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.50 | 0.49 | 0.54 | 5.00 | 0.00 | 0.25 | 0.25 |
| 41.55 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.60 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.65 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.70 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.75 | 0.48 | 0.54 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.24 | 0.24 |
| 41.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 41.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 41.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.23 | 0.23 |
| 42.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.22 | 0.22 |
| 42.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.70 | 0.48 | 0.53 | 5.00 | 0.00 | 0.21 | 0.21 |
| 42.75 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.80 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.85 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.90 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 42.95 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 43.00 | 0.48 | 0.53 | 5.00 | 0.00 | 0.20 | 0.20 |
| 43.05 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.10 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.15 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.20 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.25 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.30 | 0.48 | 0.53 | 5.00 | 0.00 | 0.19 | 0.19 |
| 43.35 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.40 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.45 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.50 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.55 | 0.48 | 0.53 | 5.00 | 0.00 | 0.18 | 0.18 |
| 43.60 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.65 | 0.48 | 0.53 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |

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|---|---|---|---|---|---|---|
| 43.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.17 | 0.17 |
| 43.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 43.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.16 | 0.16 |
| 44.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.15 | 0.15 |
| 44.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.60 | 0.48 | 0.52 | 5.00 | 0.00 | 0.14 | 0.14 |
| 44.65 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.70 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.75 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.80 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.85 | 0.48 | 0.52 | 5.00 | 0.00 | 0.13 | 0.13 |
| 44.90 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 44.95 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.00 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.05 | 0.48 | 0.52 | 5.00 | 0.00 | 0.12 | 0.12 |
| 45.10 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.15 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.20 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.25 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.30 | 0.48 | 0.52 | 5.00 | 0.00 | 0.11 | 0.11 |
| 45.35 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.40 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.45 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.50 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.55 | 0.48 | 0.52 | 5.00 | 0.00 | 0.10 | 0.10 |
| 45.60 | 0.48 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.65 | 0.48 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.09 | 0.09 |
| 45.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 45.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 45.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.08 | 0.08 |
| 46.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |

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|---|---|---|---|---|---|---|
| 46.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.55 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.60 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.65 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.70 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.75 | 0.47 | 0.51 | 5.00 | 0.00 | 0.07 | 0.07 |
| 46.80 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.85 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.90 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 46.95 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.00 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.05 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.10 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.15 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.20 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.25 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.30 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.35 | 0.47 | 0.51 | 5.00 | 0.00 | 0.06 | 0.06 |
| 47.40 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.45 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.50 | 0.47 | 0.51 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 47.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.05 | 0.05 |
| 48.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.45 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.50 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.55 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.60 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.65 | 0.47 | 0.50 | 5.00 | 0.00 | 0.04 | 0.04 |
| 48.70 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.75 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 48.80 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.85 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.90 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 48.95 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.00 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.05 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.10 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.15 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.20 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.25 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.30 | 0.47 | 0.50 | 5.00 | 0.00 | 0.03 | 0.03 |
| 49.35 | 0.47 | 0.50 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.40 | 0.47 | 0.50 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.45 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.50 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.55 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.60 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.65 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.70 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.75 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.80 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.85 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.90 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 49.95 | 0.47 | 0.49 | 5.00 | 0.00 | 0.02 | 0.02 |
| 50.00 | 0.47 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.05 | 0.47 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.10 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.15 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.20 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.25 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.30 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.35 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.40 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.45 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.50 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.55 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.60 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.65 | 0.46 | 0.49 | 5.00 | 0.00 | 0.01 | 0.01 |
| 50.70 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.75 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.80 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.85 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.90 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 50.95 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |
| 51.00 | 0.46 | 0.49 | 5.00 | 0.00 | 0.00 | 0.00 |

---

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5,  CRR is limited to 2,    CSR is limited to 2)

Units:  Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight =

pcf; Depth = ft; Settlement = in.

---

1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

**APPENDIX E**

FIELD EXPLORATION

## APPENDIX E

## FIELD EXPLORATION

Our field investigation consisted of ten (10) exploratory bores excavated on May 24, 2023 utilizing a track mounted hollow stem auger rig (CME 75). Continuous logs of the materials encountered were reported by a representative of Sladden Engineering. Materials encountered in the boreholes were classified in accordance with the Unified Soil Classification System.

Representative undisturbed samples were obtained within our borings by driving a thin-walled steel penetration sampler (California split spoon sampler) or a Standard Penetration Test (SPT) sampler with a 140 pound automatic-trip hammer dropping approximately 30 inches (ASTM D1586). The number of blows required to drive the samplers 18 inches was recorded in 6-inch increments and blowcounts are indicated on the boring logs.

The California samplers are 3.0 inches in diameter, provided with brass sample rings having inner diameters of 2.5 inches. The standard penetration samplers are 2.0 inches in diameter with an inner diameter of 1.5 inches. Undisturbed samples were removed from the sampler and placed in moisture sealed containers to preserve the natural soil moisture content. Bulk samples were obtained from the excavation spoils and samples were then transported to our laboratory for further observations and testing.

UNIFIED SOIL CLASSIFICATION SYSTEM

| MAJOR DIVISIONS | | | TYPICAL NAMES | |
|---|---|---|---|---|
| COARSE GRAINED SOILS<br>MORE THAN HALF IS LARGER THAN No.200 SIEVE | GRAVELS<br>MORE THAN HALF COARSE FRACTION IS LARGER THAN No.4 SIEVE SIZE | CLEAN GRAVELS WITH LITTLE OR NO FINES | GW | WELL GRADED GRAVEL-SAND MIXTURES |
| | | | GP | POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES |
| | | GRAVELS WITH OVER 12% FINES | GM | SILTY GRAVELS, POORLY-GRADED GRAVEL-SAND-SILT MIXTURES |
| | | | GC | CLAYEY GRAVELS, POORLY GRADED GRAVEL-SAND-CLAY MIXTURES |
| | SANDS<br>MORE THAN HALF COARSE FRACTION IS SMALLER THAN No.4 SIEVE SIZE | CLEAN SANDS WITH LITTLE OR NO FINES | SW | WELL GRADED SANDS, GRAVELLY SANDS |
| | | | SP | POORLY GRADED SANDS, GRAVELLY SANDS |
| | | SANDS WITH OVER 12% FINES | SM | SILTY SANDS, POORLY GRADED SAND-SILT MIXTURES |
| | | | SC | CLAYEY SANDS, POORLY GRADED SAND-CLAY MIXTURES |
| FINE GRAINED SOILS<br>MORE THAN HALF IS SMALLER THAN No.200 SIEVE | SILTS AND CLAYS<br>LIQUID LIMIT LESS THAN 50 | | ML | INORGANIC SILTS & VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS, OR CLAYEY SILTS WITH SLIGHT PLASTICITY |
| | | | CL | INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, CLEAN CLAYS |
| | | | OL | ORGANIC CLAYS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY |
| | SILTS AND CLAYS: LIQUID LIMIT GREATER THAN 50 | | MH | INORGANIC SILTS, MICACEOUS OR DIATOMACIOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS |
| | | | CH | INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS |
| | | | OH | ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS |
| HIGHLY ORGANIC SOILS | | | Pt | PEAT AND OTHER HIGHLY ORGANIC SOILS |

EXPLANATION OF BORE LOG SYMBOLS


California Split-spoon Sample


Unrecovered Sample


Standard Penetration Test Sample


Groundwater depth

Note: The stratification lines on the borelogs represent the approximate boundaries between the soil types; the transitions may be gradual.

**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-1 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| X | 4 7 11 | 1 | 0 | | | | 2 | | No Recovery. |
| | 8 12 15 | | | 5.1 | 0.1 | | 4 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 4 6 9 | | | 7.4 | 0.2 | | 8 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 10 26 23 | | | 6.6 | 0.2 | | 12 14 16 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 9 12 12 | | | 6.5 | 0.4 | | 18 20 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 14 20 28 | | | 5.2 | 0.2 | 108.2 | 22 24 26 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 15 18 20 | | | 7.2 | 0.4 | | 28 30 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 17 19 22 | | | 4.2 | 0.2 | 112.5 | 32 34 36 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 20 35 50 | | | 8.4 | 0.4 | | 38 40 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |
| | 20/50-5" | | | 4.8 | 0.3 | | 42 44 46 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |
| | 15 27 20 | | | 9.6 | 0.3 | | 48 50 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |

Completion Notes:
Terminated at ~51.5 Feet bgs.
No Bedrock Encountered.
No Groundwater or Seepage Encountered.

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

| Project No: | 544-23112 | Page | 1 |
|---|---|---|---|
| Report No: | 23-07-368 | | |

**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-2 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | | | | | | | 2 | | |
| | | | | | | | 4 | | |
| | 3 4 5 | | | 8.5 | 0..2 | | 6 | | Sand (SP); yellowish brown, dry, loose, fine-grained (Qs). |
| | | | | | | | 8 | | |
| | 5 10 12 | | | 8.0 | 0.1 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 12 | | |
| | | | | | | | 14 | | |
| | 8 12 14 | | | 8.0 | 0.3 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 18 | | |
| X | 12 21 30 | | | | | | 20 | | No Recovery. |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | |
| | 10 12 15 | | | 9.2 | 0.4 | | 26 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 28 | | |
| | 11 17 25 | | | 11.8 | 0.2 | | 30 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | |
| | 10 14 17 | | | 5.8 | 0.5 | | 36 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 38 | | |
| | 30 42 50 | | | 6.2 | 0.4 | 111.4 | 40 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | 14 24 26 | | | 7.1 | 0.6 | | 46 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 48 | | |
| | 30/50-6" | | | 7.3 | 0.3 | 109.9 | 50 | | Sand (SP); yellowish brown, dry, very dense, fine-grained (Qs). |

Completion Notes:
Terminated at ~51.5 Feet bgs.
No Bedrock Encountered.
No Groundwater or Seepage Encountered.

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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| Report No: | 23-07-368 | | |

**Sladden Engineering**

# BORE LOG

| | | | |
|---|---|---|---|
| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
| Elevation: | 300 Ft. MSL | Boring No: | BH-3 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 3 3 5 | | | 5.4 | 0.1 | | 6 | | Sand (SP); yellowish brown, dry, loose, fine-grained (Qs). |
| | 7 11 14 | | | 5.7 | 0.1 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 5 7 10 | | | 6.8 | 0.3 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 18 32 34 | | | 7.2 | 0.3 | 108.7 | 20 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 22 | | Terminated at ~21.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

| | | | |
|---|---|---|---|
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| Report No: | 23-07-368 | | |

Sladden Engineering

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-4 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| X | 6 10 12 | | | | | | 5 | | No Recovery. |
| | 6 10 11 | | | 7.0 | 0.3 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 7 22 36 | | | 5.0 | 0.3 | 113.7 | 15 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 9 9 12 | | | 6.7 | 0.4 | | 20 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 12 22 30 | | | 4.7 | 0.3 | 10.9 | 25 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 26.5 | | Terminated at ~26.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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|---|---|---|---|
| Report No: | 23-07-368 | | |

**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-5 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 3 5 8 | | | 6.6 | 0.2 | | 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 12 18 18 | | | 8.0 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 9 12 17 | | | 7.7 | 0.5 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 18 | | Terminated at ~16.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-6 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | | | | | | | 2 | | |
| | | | | | | | 4 | | |
| | 4 5 7 | | | 4.5 | 0.2 | | 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 8 | | |
| | 5 6 9 | | | 6.7 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 12 | | |
| | | | | | | | 14 | | |
| | 5 8 10 | | | 8.0 | 0.2 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 18 | | |
| | 7 15 25 | | | | | | 20 | | No Recovery. |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | |
| | 8 14 16 | | | 7.0 | 0.4 | | 26 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 28 | | |
| | 15 25 38 | | | 5.6 | 0.3 | 109.8 | 30 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | Terminated at ~31.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |
| | | | | | | | 36 | | |
| | | | | | | | 38 | | |
| | | | | | | | 40 | | |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | | | | | | | 46 | | |
| | | | | | | | 48 | | |
| | | | | | | | 50 | | |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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|---|---|---|---|
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**Sladden Engineering**

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-7 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 4 5 6 | | | 6.4 | 0.2 | | 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 5 6 7 | | | 7.8 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 10 24 27 | | | 5.5 | 0.3 | 107.3 | 16 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | 9 11 15 | | | 9.9 | 0.4 | | 20 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | Terminated at ~21.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |
| | | | | | | | 26 | | |
| | | | | | | | 28 | | |
| | | | | | | | 30 | | |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | |
| | | | | | | | 36 | | |
| | | | | | | | 38 | | |
| | | | | | | | 40 | | |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | | | | | | | 46 | | |
| | | | | | | | 48 | | |
| | | | | | | | 50 | | |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

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|---|---|---|---|
| Report No: | 23-07-368 | | |

**Sladden Engineering**

# BORE LOG

| | | | |
|---|---|---|---|
| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
| Elevation: | 300 Ft. MSL | Boring No: | BH-8 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 2 4 6 | | | 5.4 | 0.1 | | 6 | | Sand (SP); yellowish brown, dry, loose, fine-grained (Qs). |
| | 4 7 9 | | | 8.1 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 12 18 22 | | | 7.9 | 0.2 | | 16 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 10 15 18 | | | 8.6 | 0.2 | | 20 | | Sand (SP); yellowish brown, dry, dense, fine-grained (Qs). |
| | | | | | | | 22 | | Terminated at ~21.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

| | | | |
|---|---|---|---|
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| Report No: | 23-07-368 | | |

Sladden Engineering

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-9 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | | | | | | | 2 | | |
| | | | | | | | 4 | | |
| ■ | 3 4 5 | | | 5.4 | 0.1 | | 6 | | Sand (SP); yellowish brown, dry, loose, fine-grained (Qs). |
| | | | | | | | 8 | | |
| ■ | 8 7 5 | | | 7.6 | 0.2 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 12 | | |
| | | | | | | | 14 | | Terminated at ~11.5 Feet bgs. |
| | | | | | | | 16 | | No Bedrock Encountered. |
| | | | | | | | 18 | | No Groundwater or Seepage Encountered. |
| | | | | | | | 20 | | |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | |
| | | | | | | | 26 | | |
| | | | | | | | 28 | | |
| | | | | | | | 30 | | |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | |
| | | | | | | | 36 | | |
| | | | | | | | 38 | | |
| | | | | | | | 40 | | |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | | | | | | | 46 | | |
| | | | | | | | 48 | | |
| | | | | | | | 50 | | |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

| Project No: | 544-23112 | Page | 9 |
|---|---|---|---|
| Report No: | 23-07-368 | | |

Sladden Engineering

# BORE LOG

| Equipment: | CME-75 | Date Drilled: | 5/24/2023 |
|---|---|---|---|
| Elevation: | 300 Ft. MSL | Boring No: | BH-10 |

| Sample | Blow Counts | Bulk Sample | Expansion Index | % Minus #200 | % Moisture | Density, pcf | Depth (Feet) | Graphic Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2 | | Sand (SP); yellowish brown, dry, fine-grained (Qs). |
| | 4 4 8 | | | 6.2 | 0.2 | | 6 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | 3 6 7 | | | 8.2 | 0.3 | | 10 | | Sand (SP); yellowish brown, dry, medium dense, fine-grained (Qs). |
| | | | | | | | 12 | | Terminated at ~11.5 Feet bgs.<br>No Bedrock Encountered.<br>No Groundwater or Seepage Encountered. |
| | | | | | | | 14 | | |
| | | | | | | | 16 | | |
| | | | | | | | 18 | | |
| | | | | | | | 20 | | |
| | | | | | | | 22 | | |
| | | | | | | | 24 | | |
| | | | | | | | 26 | | |
| | | | | | | | 28 | | |
| | | | | | | | 30 | | |
| | | | | | | | 32 | | |
| | | | | | | | 34 | | |
| | | | | | | | 36 | | |
| | | | | | | | 38 | | |
| | | | | | | | 40 | | |
| | | | | | | | 42 | | |
| | | | | | | | 44 | | |
| | | | | | | | 46 | | |
| | | | | | | | 48 | | |
| | | | | | | | 50 | | |

Completion Notes:

PROPOSED SKILLED NURSING FACILITY
GERALD FORD DR., RANCHO MIRAGE; APN 685-120-003 & 004

| Project No: | 544-23112 | Page | 10 |
|---|---|---|---|
| Report No: | 23-07-368 | | |

**APPENDIX F**

LABORATORY TESTING

## APPENDIX F

## LABORATORY TESTING

Representative bulk and relatively undisturbed soil samples were obtained in the field and returned to our laboratory for additional observations and testing. Laboratory testing was generally performed in two phases. The first phase consisted of testing in order to determine the compaction of the existing natural soil and the general engineering classifications of the soil underlying the site. This testing was performed in order to estimate the engineering characteristics of the soil and to serve as a basis for selecting samples for the second phase of testing. The second phase consisted of soil mechanics testing. This testing including consolidation, shear strength and expansion testing was performed in order to provide a means of developing specific design recommendations based on the mechanical properties of the soil.

## CLASSIFICATION AND COMPACTION TESTING

**Unit Weight and Moisture Content Determinations:** Each undisturbed sample was weighed and measured in order to determine its unit weight. A small portion of each sample was then subjected to testing in order to determine its moisture content. This was used in order to determine the dry density of the soil in its natural condition. The results of this testing are shown on the Boring Logs.

**Maximum Density-Optimum Moisture Determinations:** Representative soil types were selected for maximum density determinations. This testing was performed in accordance with the ASTM Standard D1557-91, Test Method A. The results of this testing are presented graphically in this appendix. The maximum densities are compared to the field densities of the soil in order to determine the existing relative compaction to the soil. This is shown on the Boring Logs, and is useful in estimating the strength and compressibility of the soil.

**Classification Testing:** Soil samples were selected for classification testing. This testing consists of mechanical grain size analyses. This provides information for developing classifications for the soil in accordance with the Unified Soil Classification System which is presented in the preceding appendix. This classification system categorizes the soil into groups having similar engineering characteristics. The results of this testing is very useful in detecting variations in the soil and in selecting samples for further testing.

## SOIL MECHANIC'S TESTING

**Expansion Testing:** One (1) bulk sample was selected for Expansion testing. Expansion testing was performed in accordance with the UBC Standard 18-2. This testing consists of remolding 4-inch diameter by 1-inch thick test specimens to a moisture content and dry density corresponding to approximately 50 percent saturation. The samples are subjected to a surcharge of 144 pounds per square foot and allowed to reach equilibrium. At that point the specimens are inundated with distilled water. The linear expansion is then measured until complete.

**Direct Shear Tests:** One bulk sample was selected for Direct Shear testing. This test measures the shear strength of the soil under various normal pressures and is used to develop parameters for foundation design and lateral design. Tests were performed using a recompacted test specimen that was saturated prior to tests. Tests were performed using a strain controlled test apparatus with normal pressures ranging from 700 to 4,200 pounds per square foot.

**Corrosion Series Testing:** The soluble sulfate concentrations of the surface soil were determined in accordance with California Test Method Number (CA) 417. The pH and Minimum Resistivity were determined in accordance with CA 643. The soluble chloride concentrations were determined in accordance with CA 422.

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# Maximum Density/Optimum Moisture

ASTM D698/D1557

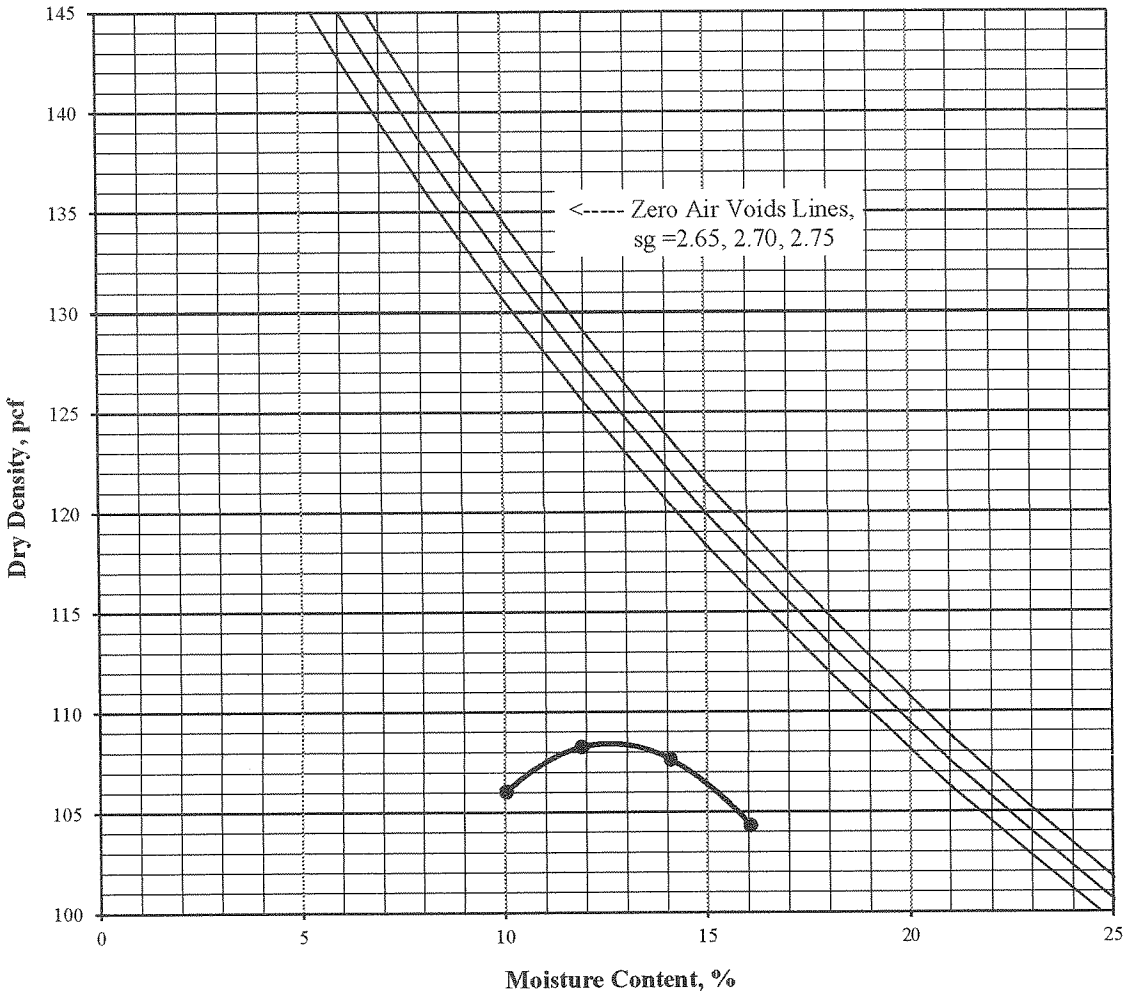
Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample Location: BH-1 Bulk 1 @ 0-5'
Description: Gray Brown Sand w/ Silt (SP-SM)

June 27, 2023

ASTM D-1557 A
Rammer Type: Machine

**Maximum Density:** **109 pcf**
**Optimum Moisture:** **13%**

| Sieve Size | % Retained |
|---|---|
| 3/4" | |
| 3/8" | |
| #4 | 0.4 |



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# Expansion Index

ASTM D 4829

Job Number: 544-23112

Job Name: Gerald Ford Drive

Lab ID Number: LN6-23219

Sample ID: BH-1 Bulk 1 @ 0-5'

Soil Description: Gray Brown Sand w/Silt (SP-SM)

June 27, 2023

| | |
|---|---|
| Wt of Soil + Ring: | 550.6 |
| Weight of Ring: | 191.9 |
| Wt of Wet Soil: | 358.7 |
| Percent Moisture: | 11.4% |
| Sample Height, in | 0.95 |
| Wet Density, pcf: | 114.8 |
| Dry Denstiy, pcf: | 103.0 |

| | |
|---|---|
| **% Saturation:** | 48.4 |

**Expansion** **Rack # 3**

| | | |
|---|---|---|
| Date/Time | 6/23/2023 | 1:45 PM |
| Initial Reading | 0.0000 | |
| Final Reading | 0.0000 | |

**Expansion Index** **0**

(Final - Initial) x 1000

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# Gradation

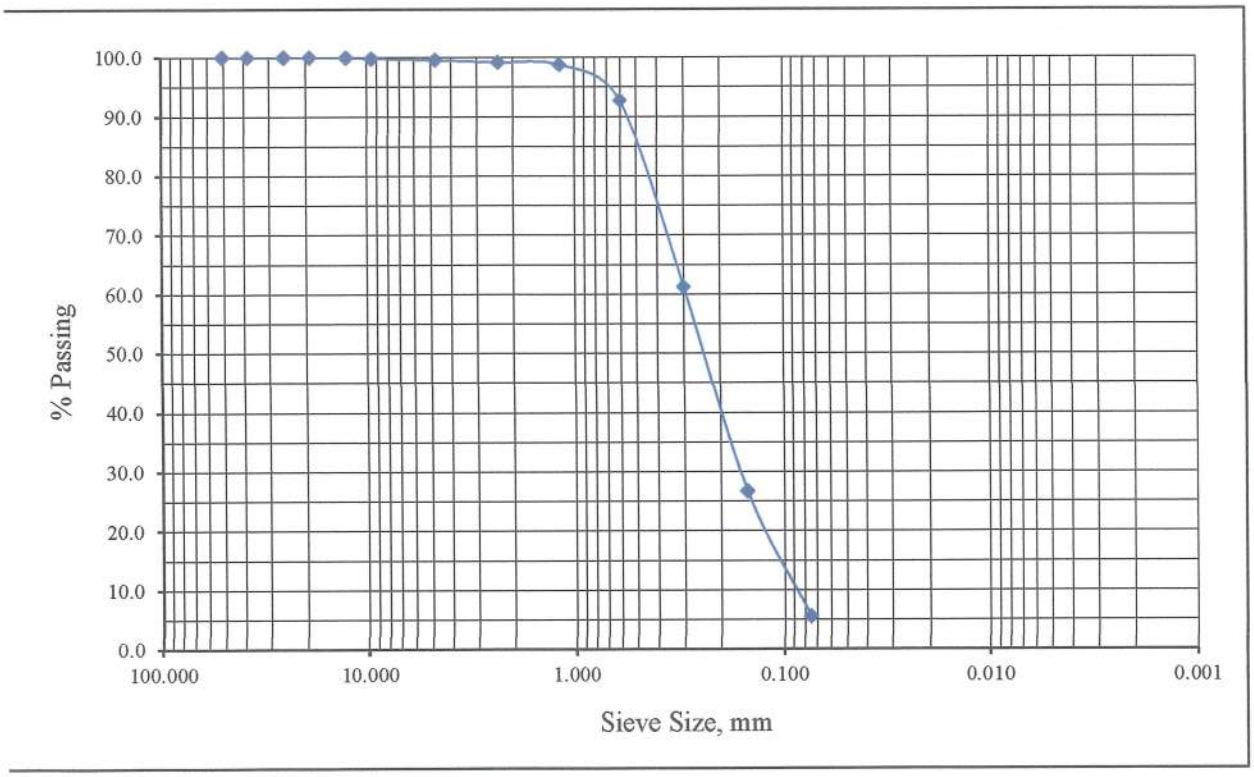
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-1 Bulk 1 @ 0-5'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 2" | 50.8 | 100.0 |
| 1 1/2" | 38.1 | 100.0 |
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 99.8 |
| #4 | 4.75 | 99.6 |
| #8 | 2.36 | 99.2 |
| #16 | 1.18 | 98.8 |
| #30 | 0.60 | 92.7 |
| #50 | 0.30 | 61.2 |
| #100 | 0.15 | 26.7 |
| #200 | 0.075 | 5.5 |



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## Gradation

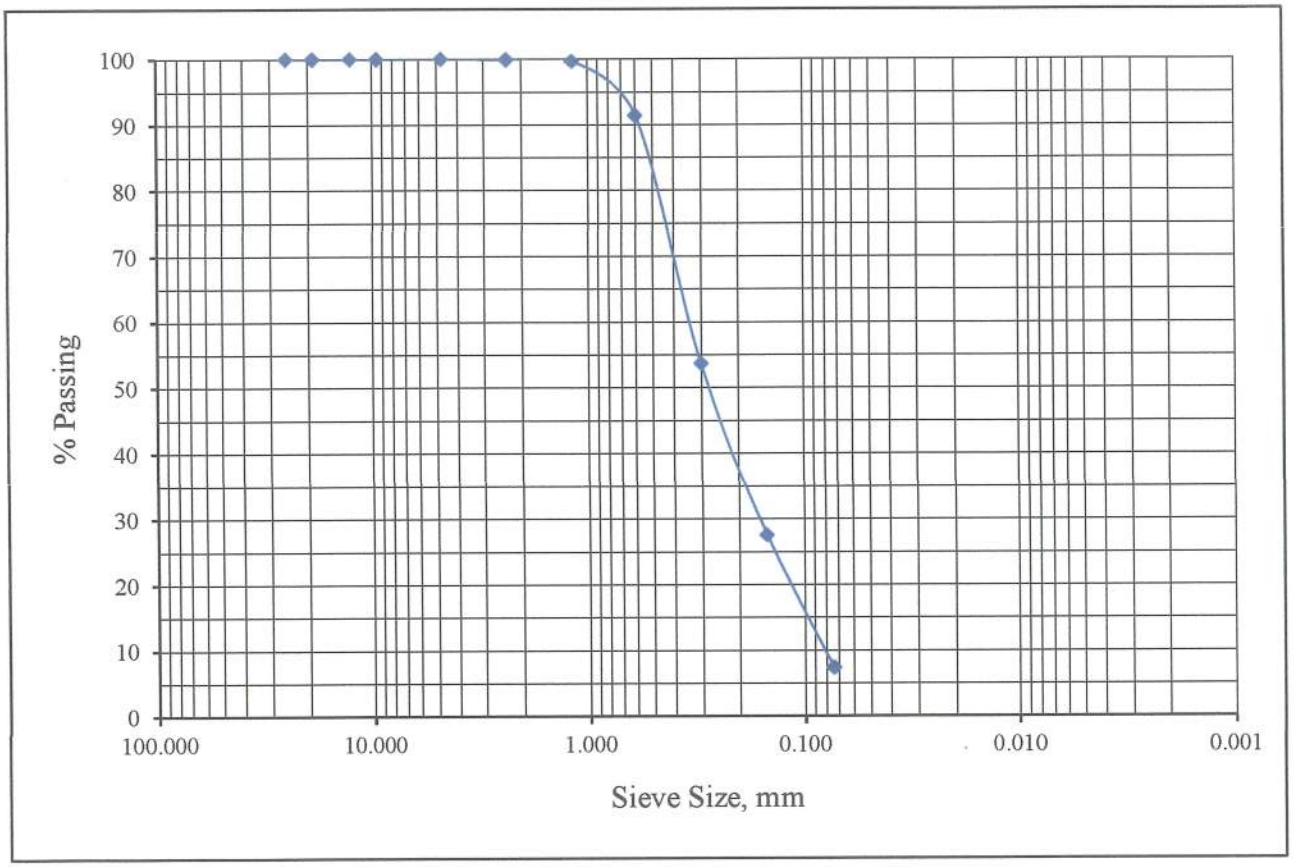
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-1 S-2 @ 10'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 99.9 |
| #16 | 1.18 | 99.7 |
| #30 | 0.60 | 91.4 |
| #50 | 0.30 | 53.7 |
| #100 | 0.15 | 27.6 |
| #200 | 0.074 | 7.4 |



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## Gradation

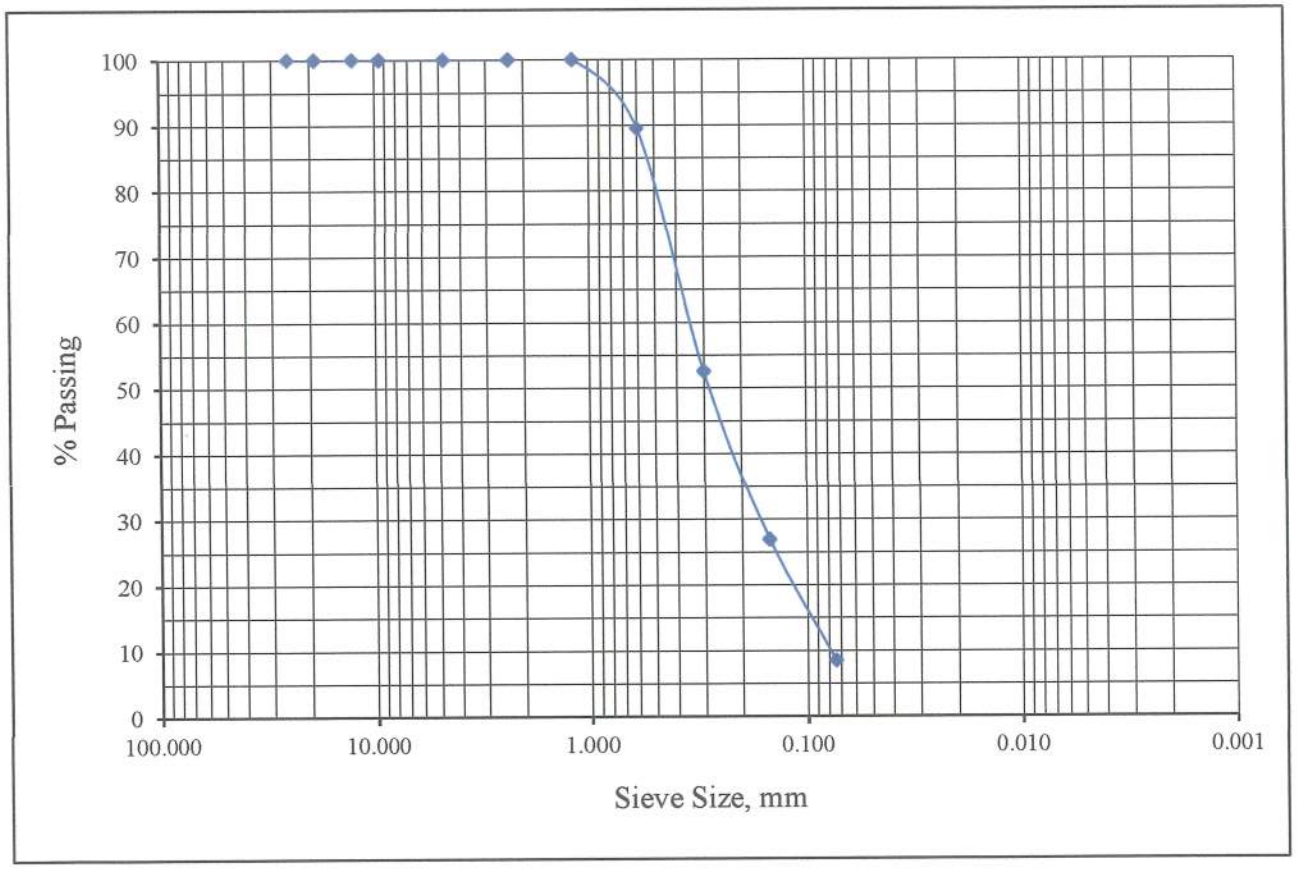
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-2 S-1 @ 5'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 100.0 |
| #16 | 1.18 | 100.0 |
| #30 | 0.60 | 89.5 |
| #50 | 0.30 | 52.5 |
| #100 | 0.15 | 26.9 |
| #200 | 0.074 | 8.5 |



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## Gradation

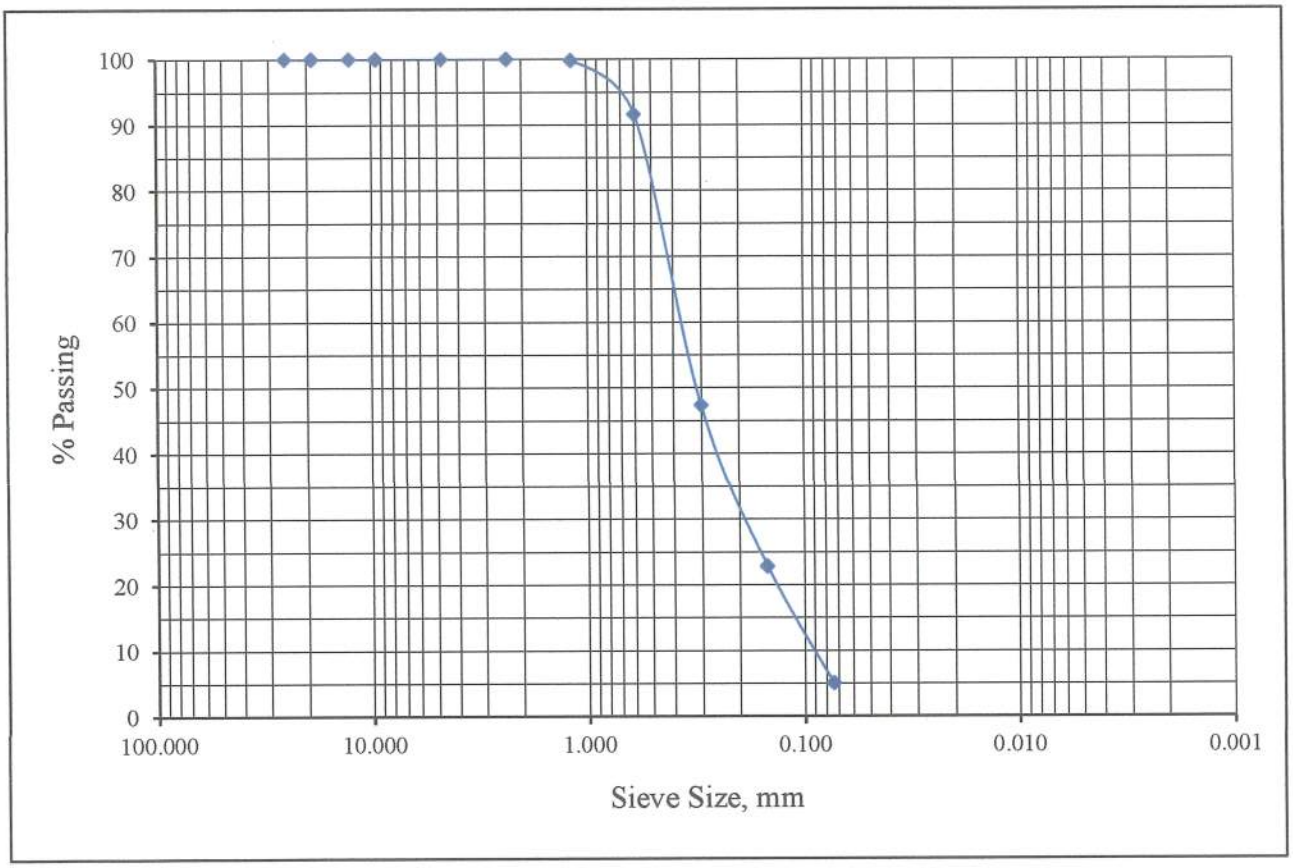
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-4 R-2 @ 15'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 100.0 |
| #16 | 1.18 | 99.8 |
| #30 | 0.60 | 91.6 |
| #50 | 0.30 | 47.3 |
| #100 | 0.15 | 22.8 |
| #200 | 0.074 | 5.0 |



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## Gradation

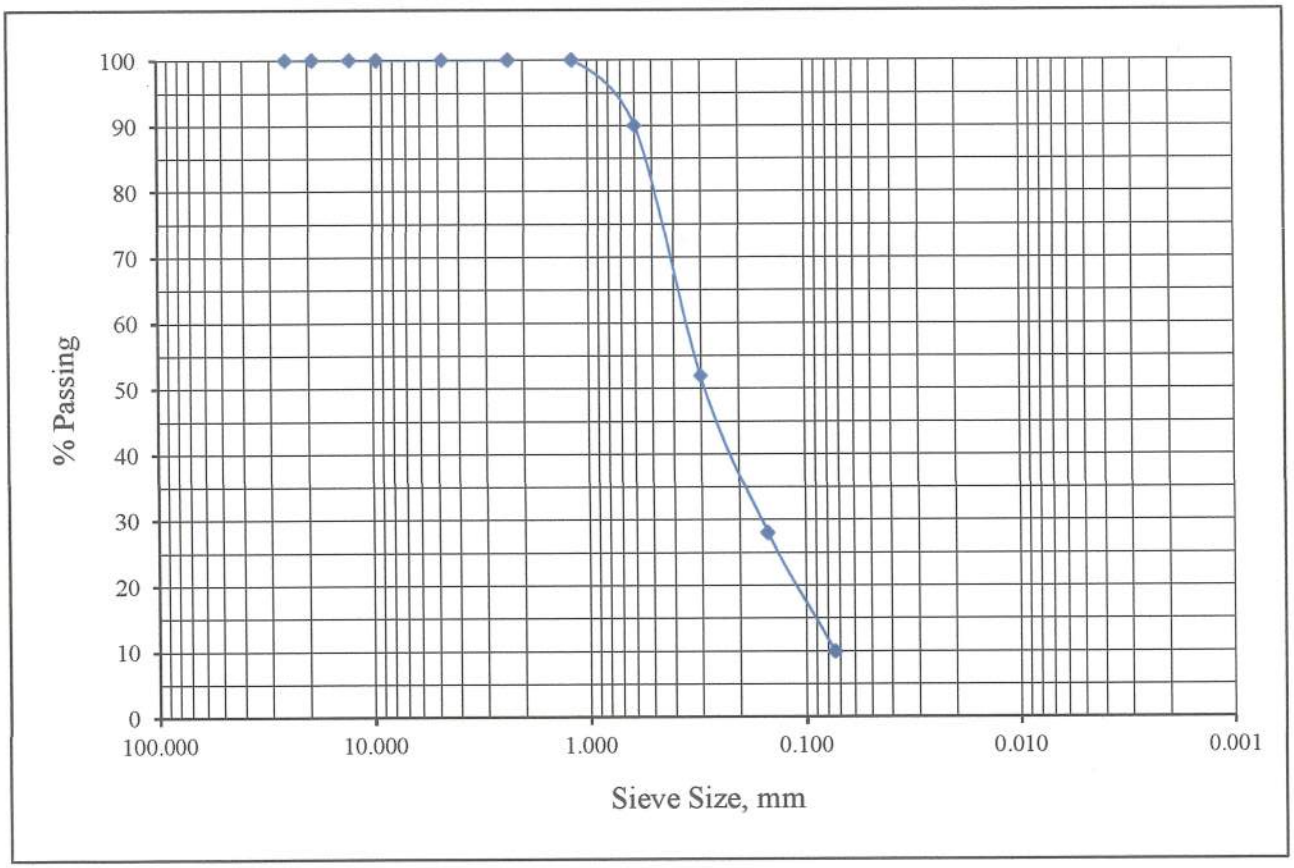
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-7 S-4 @ 20'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 100.0 |
| #16 | 1.18 | 100.0 |
| #30 | 0.60 | 90.0 |
| #50 | 0.30 | 51.9 |
| #100 | 0.15 | 28.0 |
| #200 | 0.074 | 9.9 |



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## Gradation

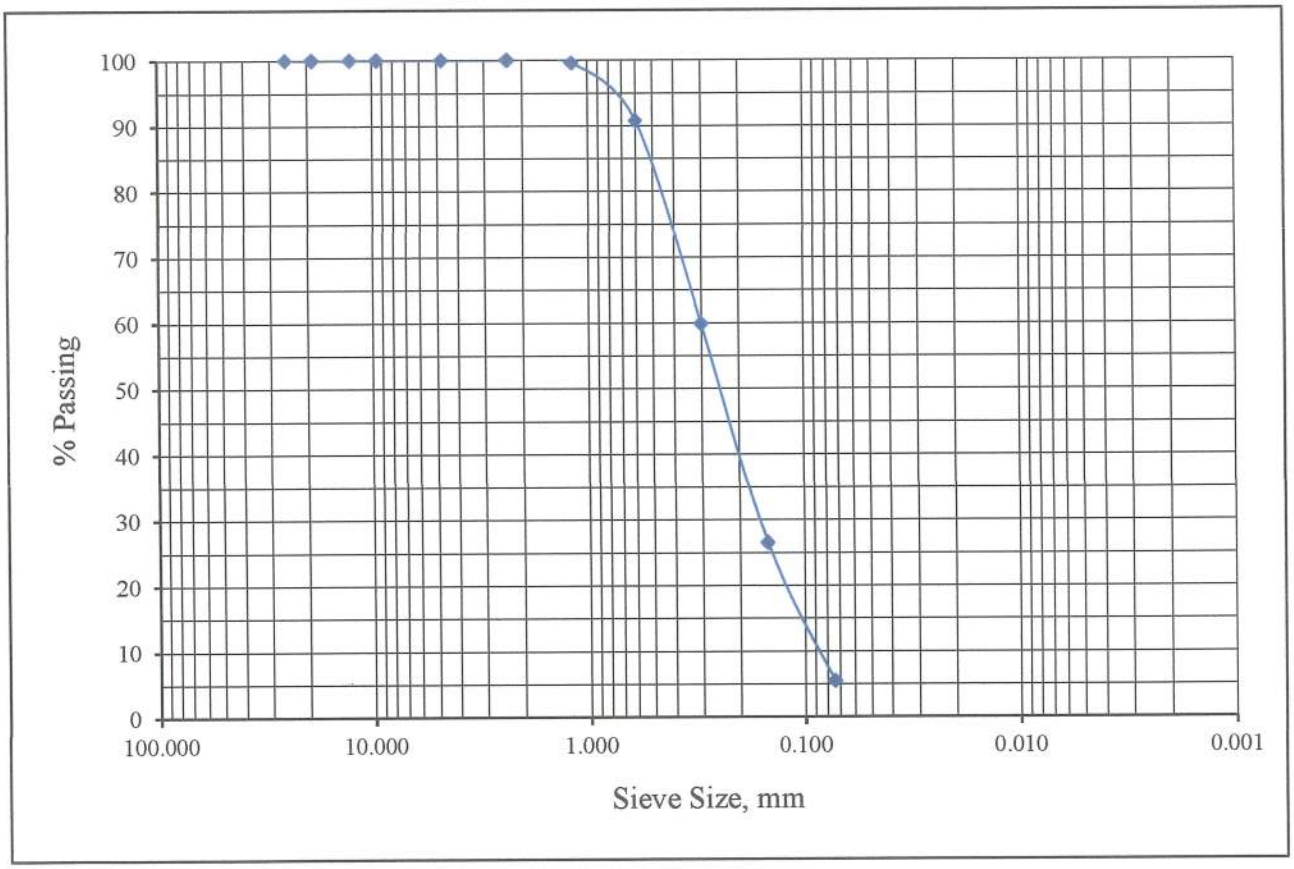
ASTM C117 & C136

Project Number: 544-23112
Project Name: Gerald Ford Drive
Lab ID Number: LN6-23219
Sample ID: BH-9 S-1 @ 5'

June 27, 2023

Soil Classification: SP-SM

| Sieve Size, in | Sieve Size, mm | Percent Passing |
|---|---|---|
| 1" | 25.4 | 100.0 |
| 3/4" | 19.1 | 100.0 |
| 1/2" | 12.7 | 100.0 |
| 3/8" | 9.53 | 100.0 |
| #4 | 4.75 | 100.0 |
| #8 | 2.36 | 100.0 |
| #16 | 1.18 | 99.6 |
| #30 | 0.60 | 90.7 |
| #50 | 0.30 | 59.9 |
| #100 | 0.15 | 26.5 |
| #200 | 0.074 | 5.4 |



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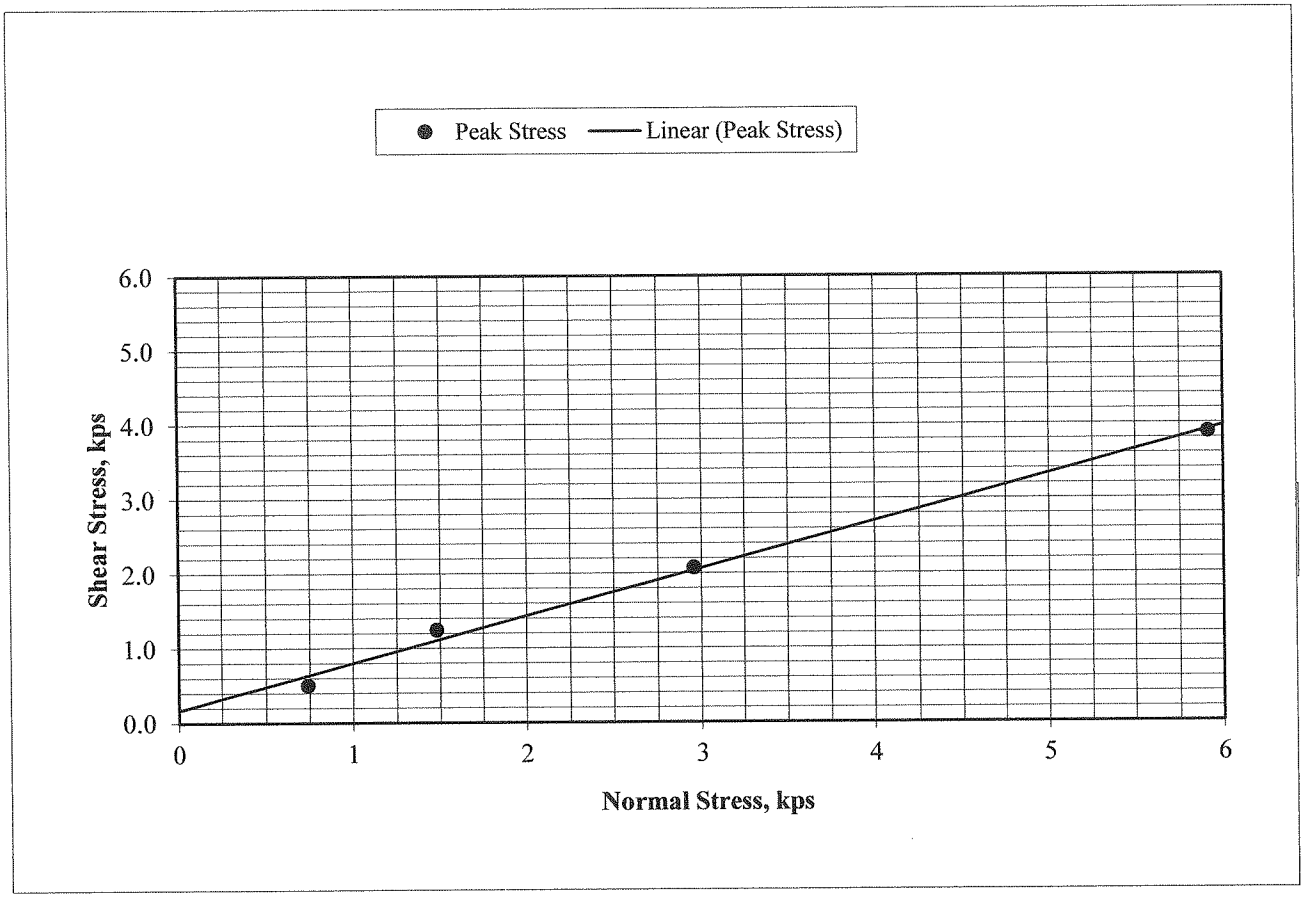
**Direct Shear** ASTM D 3080-04
(modified for unconsolidated condition)

| | | | |
|---|---|---|---|
| Job Number: | 544-23112 | | June 27, 2023 |
| Job Name | Gerald Ford Drive | Initial Dry Density: | 97.9 pcf |
| Lab ID No. | LN6-23219 | Initial Mosture Content: | 13.0 % |
| Sample ID | BH-1 Bulk 1 @ 0-5' | Peak Friction Angle (Ø): | 32° |
| Classification | Gray Brown Sand w/Silt (SP-SM) | Cohesion (c): | 170 psf |
| Sample Type | Remolded @ 90% of Maximum Density | | |

| Test Results | 1 | 2 | 3 | 4 | Average |
|---|---|---|---|---|---|
| Moisture Content, % | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 |
| Saturation, % | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| Normal Stress, kps | 0.739 | 1.479 | 2.958 | 5.916 | |
| Peak Stress, kps | 0.501 | 1.243 | 2.071 | 3.880 | |



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45090 Golf Center Pkwy, Suite F, Indio, CA 92201 (760) 863-0713 Fax (760) 863-0847
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863


Date: June 27, 2023

Account No.: 544-23112

Customer: Prest Vuksic Architects

Location: APN 685-120-003 & 004, Gerald Ford Drive, Rancho Mirage

## Analytical Report

---

Corrosion Series

| | pH per CA 643 | Soluble Sulfates per CA 417 ppm | Soluble Chloride per CA 422 ppm | Min. Resistivity per CA 643 ohm-cm |
|---|---|---|---|---|
| BH-1 @ 0-5' | 7.5 | 20 | 50 | 24,000 |

**APPENDIX G**

SETTLEMENT ANALYSIS – SCHMERTMANN METHOD

# Settlement Analysis-Schmertmann Method

## SKILLED NURSING FACILITY, RANCHO MIRAGE

### A. Column Load = 50,000 pounds, Square Footing Width = 4' 1", Depth = 1.5 ft.

| Load,lbs | 50,000 | Width, ft. | 4.1 | Depth, ft. | 1.5 | |
|---|---|---|---|---|---|---|
| Depth, ft | Ftg Offset Depth, ft. | SPT Site Design Curve | E, psi | Ave E,psi | Delta p, psf | Estimated Column Settl'mt. |
| 1 1/2 | | 11 | 1,833 | | | |
| | 1 3/4 | | | 1833 | 1461 | 0.23 |
| 5 | | 11 | 1,833 | | | |
| | 6 | | | 2000 | 490 | 0.10 |
| 10 | | 13 | 2,167 | | | |
| | 11 | | | 2583 | 219 | 0.04 |
| 15 | | 18 | 3,000 | | | |
| | 16 | | | 3083 | 124 | 0.02 |
| 20 | | 19 | 3,167 | | | |
| | 21 | | | 3417 | 79 | 0.01 |
| 25 | | 22 | 3,667 | | | |
| | 26 | | | 4000 | 55 | 0.01 |
| 30 | | 26 | 4,333 | | | Total 1/2" |

### B. Continuous Wall Footing

| Load,plf | 5,000 | Width, ft. | 1.3 | Depth, ft. | 1.6 | |
|---|---|---|---|---|---|---|
| Depth, ft | Ftg Offset Depth, ft. | SPT Numbers Bore #1 | E, psi | Ave E,psi | Delta p, psf | Estimated Footing Settl'mt. |
| 1 1/2 | | 11 | 1,833 | | | |
| | 1 3/4 | | | 1833 | 1517 | 0.22 |
| 5 | | 11 | 1,833 | | | |
| | 6 | | | 2000 | 520 | 0.11 |
| 10 | | 13 | 2,167 | | | |
| | 11 | | | 2583 | 287 | 0.05 |
| 15 | | 18 | 3,000 | | | |
| | 16 | | | 3083 | 198 | * |
| 20 | | 19 | 3,167 | | | |
| | 21 | | | 3167 | 151 | * |
| 25 | | 19 | 3,167 | | | |
| | 26 | | | 3750 | 122 | * |
| 30 | | 26 | 4,333 | | | Total 1/2" |

* Delta p is less that 10% of overburden stress-neglect

**APPENDIX H**

SITE PLANS

ADVANCED
HEALTH CARE

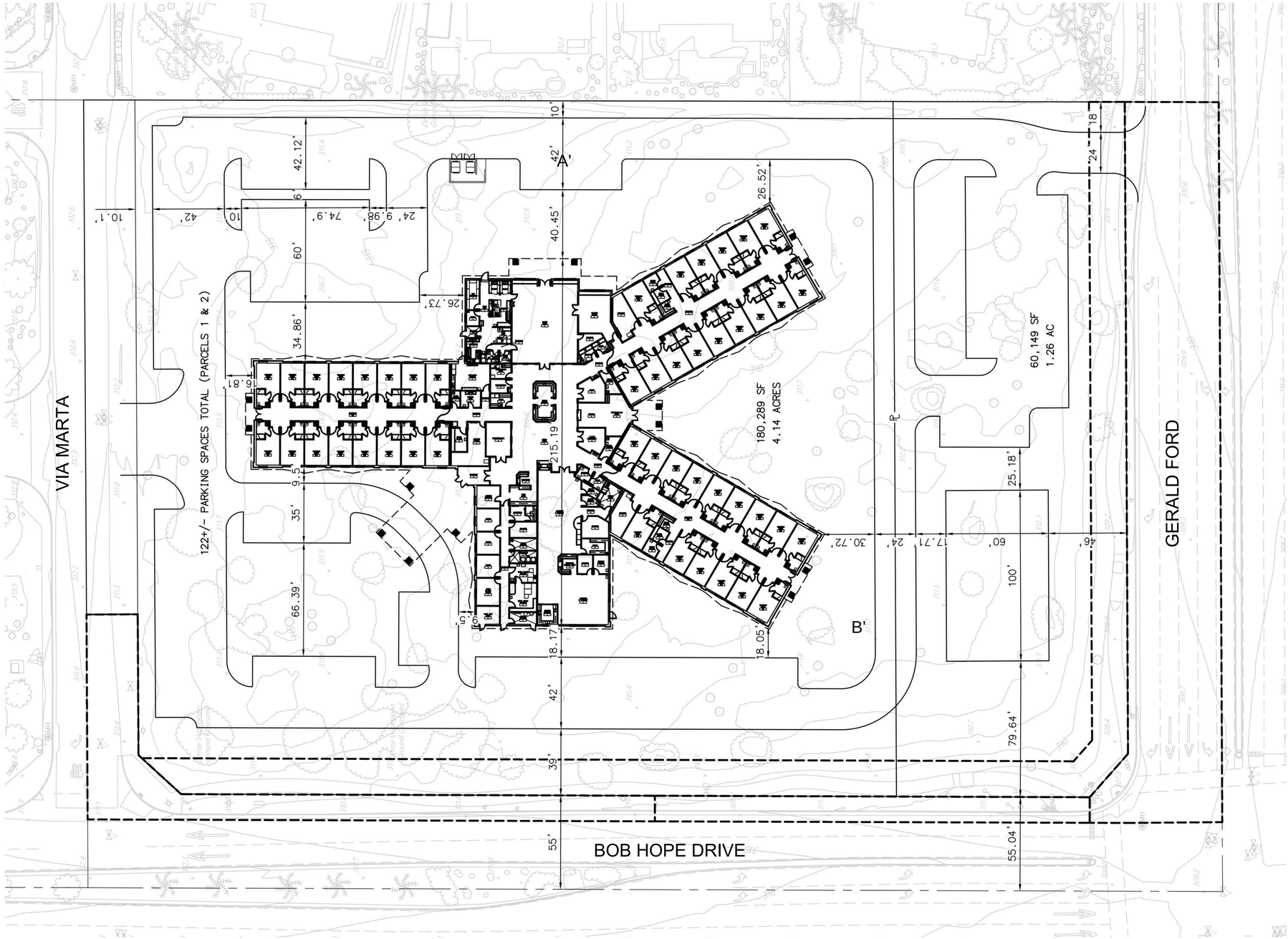
# AHC

## SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

PREST | VUKSIC | GREENWOOD

ARCHITECTS·INTERIORS




ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

0' 15' 30' 60' 120'

PREST | VUKSIC | GREENWOOD
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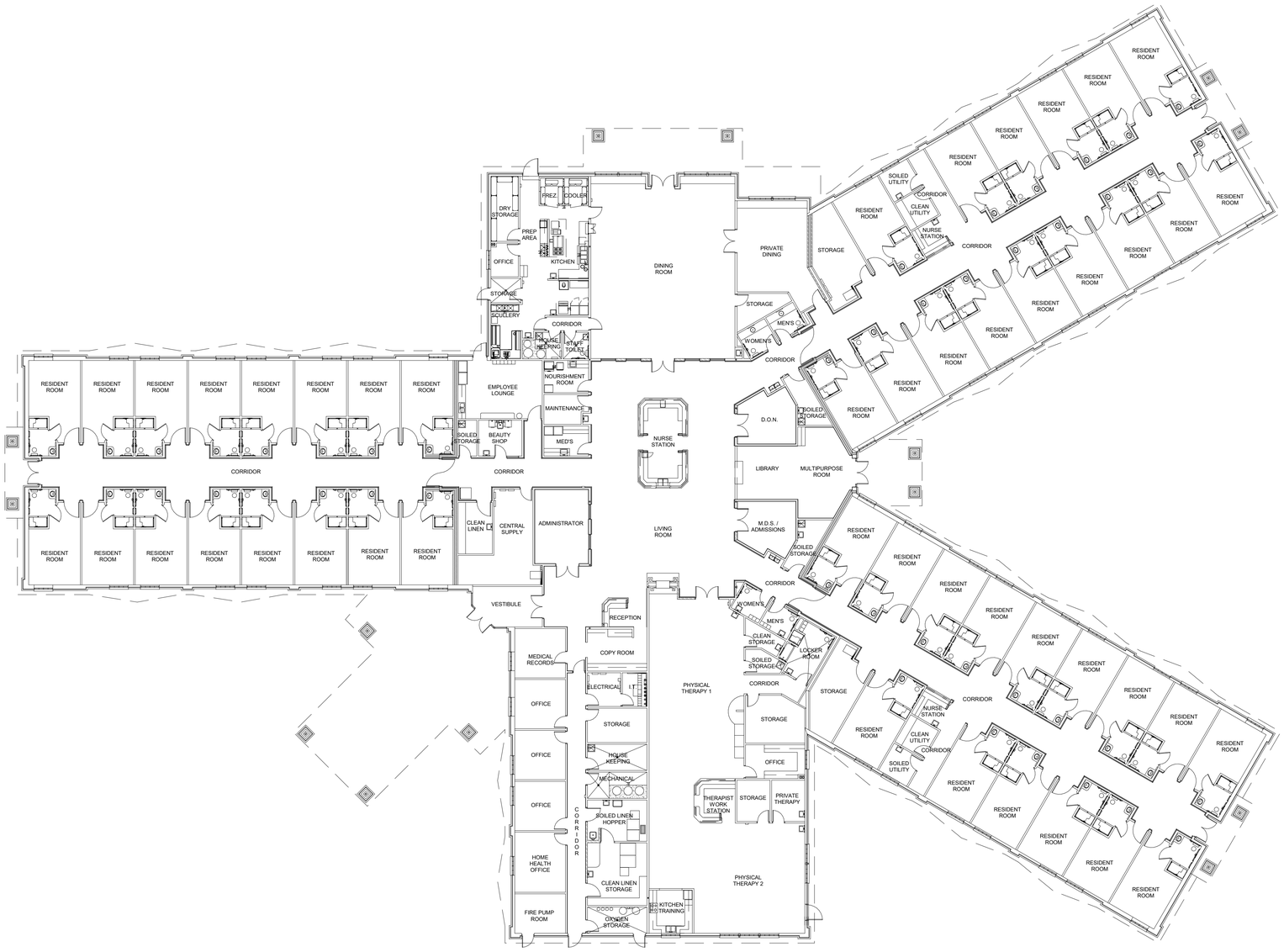
WWW.PVGARCHITECTS.COM
INFO@PVGARCHITECTS.COM | 760 . 779 . 5393 T

SITE PLAN

Scale: 1" = 30'-0"

Sheet: A101

MAY 3, 2023
223025




| SQUARE FOOTAGE | |
|---|---|
| NAME | S.F. |
| BUILDING AREA | 39,527.1 SF |
| 46 LICENSED BEDS | |

ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

0' 8' 16' 32' 64'

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FLOOR PLAN

Scale: 1/16" = 1'-0"

Sheet: A201

MAY 3, 2023
223025

ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

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PERSPECTIVE

Scale:

Sheet: A001

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PERSPECTIVE

Scale:

Sheet: A006

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ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

PREST | VUKSIC | GREENWOOD
ARCHITECTS • INTERIORS

44530 SAN PABLO AVE, STE 200 | PALM DESERT, CA 92260

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PERSPECTIVE

Scale:

Sheet: A007

JULY 3, 2023
223025

ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

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PERSPECTIVE

Scale:

Sheet: A008

JULY 3, 2023
223025

ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

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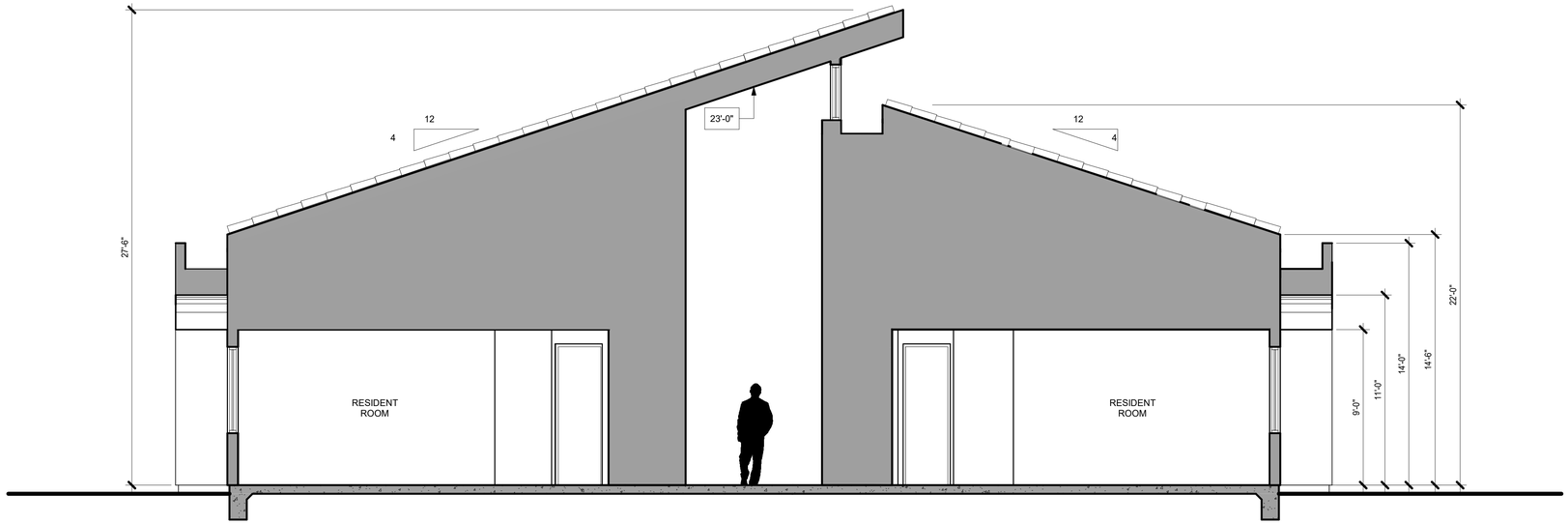
PERSPECTIVE

Scale:

Sheet: A009

JULY 3, 2023
223025




SCHEMATIC SECTION
1/4" = 1'-0"

ADVANCED
HEALTH CARE

# AHC - SKILLED NURSING FACILITY

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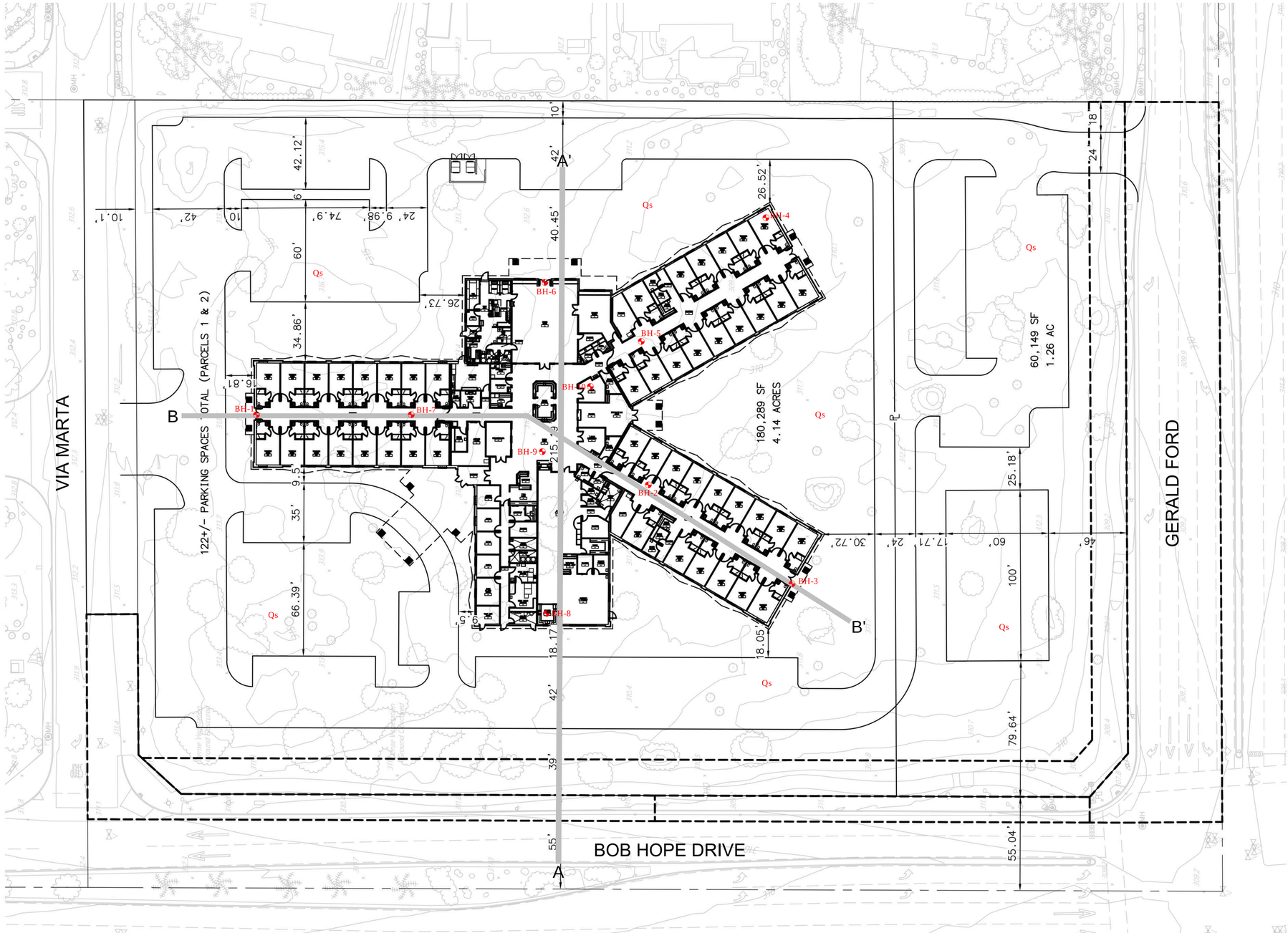
BUILDING SECTION

Scale: 1/4" = 1'-0"
Sheet: A401

MAY 3, 2023
223025

**PLATES**

GEOTECHNICAL MAP
CROSS SECTIONS




EXPLANATION

BH-10 BOREHOLE LOCATION

Qs EOLIAN SAND DEPOSITS

GEOLOGIC CROSS SECTION

GEOTECHNICAL / GEOLOGIC MAP

ADVANCED HEALTH CARE

# AHC - SKILLED NURSING FACILITY

RANCHO MIRAGE, CA

0' 15' 30' 60' 120'

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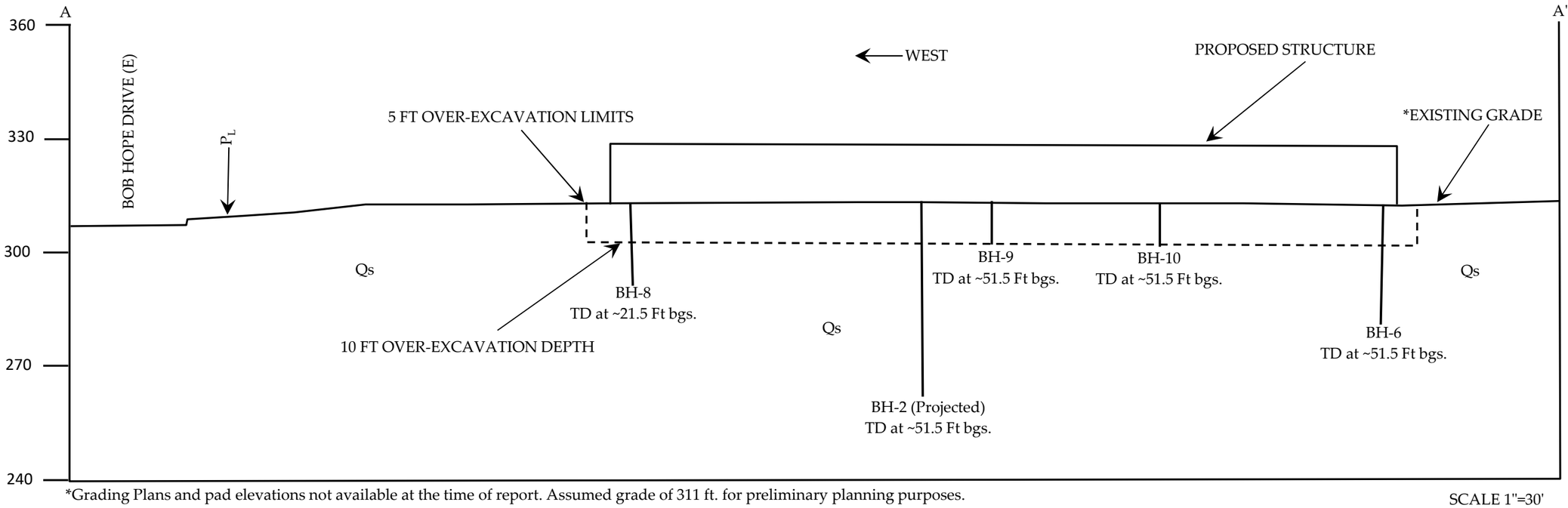
SITE PLAN

Scale: 1" = 30'-0"

Sheet: A101

MAY 3, 2023
223025

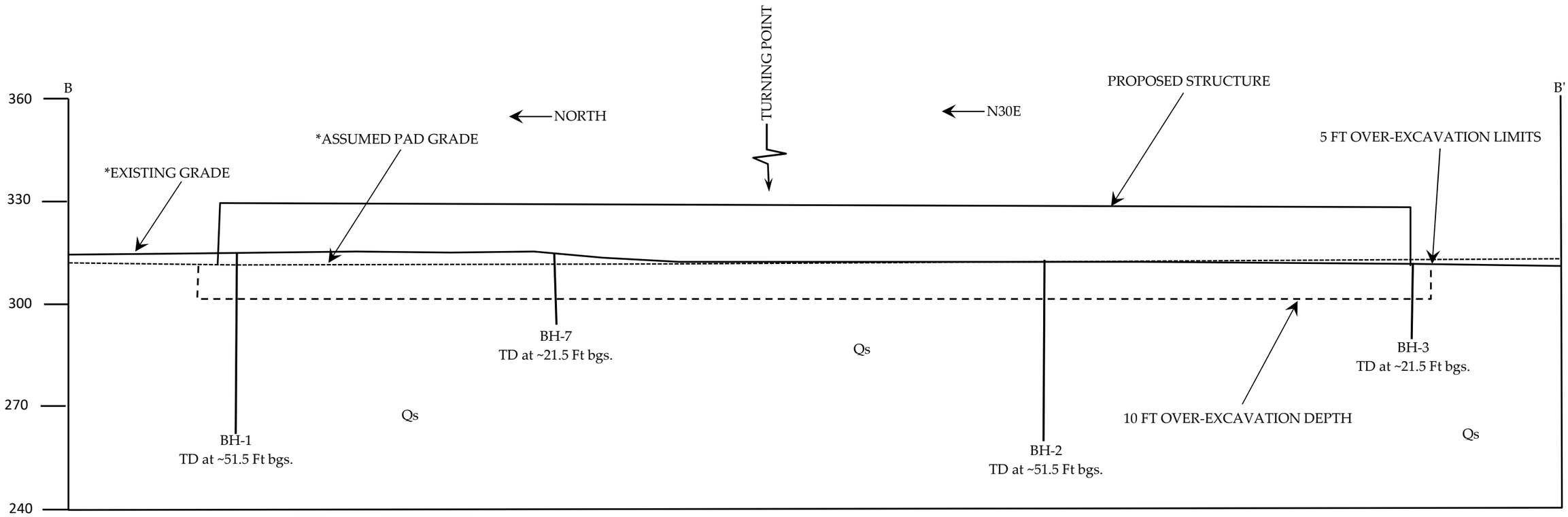



*Grading Plans and pad elevations not available at the time of report. Assumed grade of 311 ft. for preliminary planning purposes.

SCALE 1"=30'

**Sladden Engineering**

| CROSS SECTION A-A' | | PLATE |
|---|---|---|
| Project Number: | 544-23112 | 1 |
| Report Number: | 23-07-368 | |
| Date: | August 28, 2023 | |




*Grading Plans and pad elevations not available at the time of report. Assumed grade of 311 ft. for preliminary planning purposes.

SCALE 1"=30'

Sladden Engineering

| CROSS SECTION B-B' | | PLATE |
|---|---|---|
| Project Number: | 544-23112 | 2 |
| Report Number: | 23-07-368 | |
| Date: | August 28, 2023 | |

# Appendix F

Structural BMP/Retention Facility Sizing Calculations & Design Details

Michael Baker
INTERNATIONAL

We Make a Difference

# SKILLED NURSING FACILITY
# PRELIMINARY HYDROLOGY STUDY
# CITY OF RANCHO MIRAGE

Date: October 2023

*Prepared for:*
Advanced Health Care
310 W. Park Lane
Farmington, UT 84025
Telephone: TBD

| ***Revision History*** | |
|---|---|
| Date | Comment |
| | |
| | |
| | |
| | |

*Report Prepared By:*
Michael Baker International
75-410 Gerald Ford Drive, Suite 100
Palm Desert, CA 92211
Telephone: (760) 346-7481
Fax: (760) 346-8315

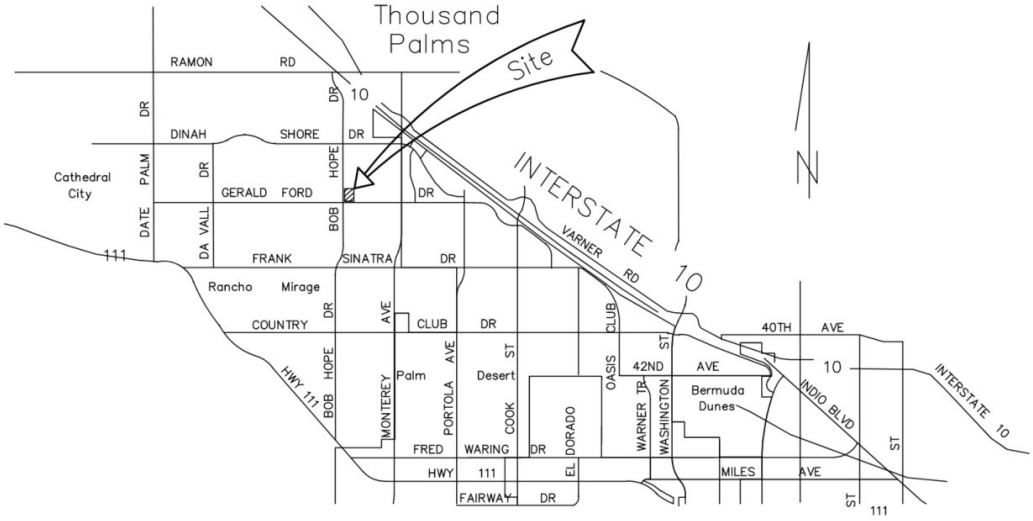
MBI JN: 194821

*Engineer of Work/ Contact Person:*
Todd Pitner, P.E.
Danielle Peltier, E.I.T.

## SECTION 1 – INTRODUCTION

*1.1 BACKGROUND*

Michael Baker International has been retained by Advanced Health Care to prepare a hydrology study for a Skilled Nursing Facility located on the northeast corner of Gerald Ford Drive and Bob Hope Drive in Rancho Mirage, CA 92270 to show how storm water runoff from the 100-year storm event shall be retained on-site to ensure proper stormwater handling and safety to the public. Figure 1 below shows the general vicinity of the project location.




VICINITY MAP
NO SCALE

Figure 1. Vicinity Map

The 5.4-acre site is a vacant plot that does not receive runoff from neighboring land developments. The property currently lies within a FEMA mapped flood plain Zone X, Areas determined to be outside the 0.2% annual chance floodplain. The National Flood Hazard FRIMette can be found in Appendix F. Runoff will be collected in storm drain facilities and drain to both above ground infiltration basins and an underground storage chamber proposed onsite under the parking lot.

*1.2 OBJECTIVE*

The objective of this drainage study is to determine the 100-year onsite discharges in accordance with the criteria and procedures described in the Riverside County Flood Control & Water Conservation District (RCFCD&WCD) Hydrology Manual. The included calculations have been prepared to show the required storage volume for on-site retention. The drainage study will also demonstrate that the proposed storm drain system is sized to mitigate peak flows and minimize runoff due to the proposed land developments.

## SECTION 2 – PROJECT DESCRIPTION

*2.1 EXISTING CONDITIONS*

The project site is a vacant lot with poor land cover, as seen in Figure 2 below. The property

is 5.4 acres with a public, meandering sidewalk on the south and west perimeters, which is the only existing impervious surface on the property. Runoff generally flows in the southerly direction until meeting Gerald Ford Drive. There is no stormwater run-on from neighboring properties.

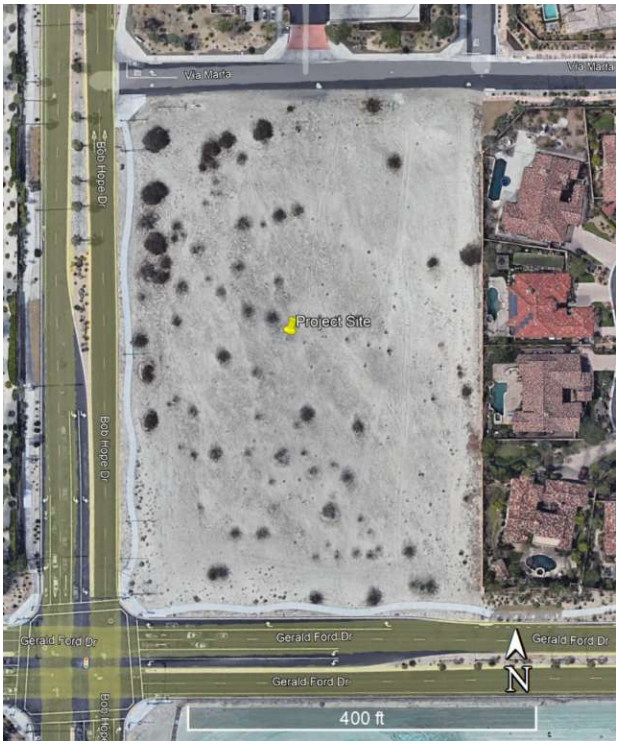


Figure 2. Project Site

*2.2 PROPOSED CONDITIONS*

The proposed development will include one building, concrete flatwork, paved parking areas, landscape areas, and various associated site improvements. Stormwater runoff will behave similar to the existing flow patterns by generally draining in the southerly direction. Runoff from the parking lot will sheet flow to gutters and drain into grate inlets located at low points throughout the parking lot. Roof runoff will be collected in roof drains and conveyed to the proposed storm drain network and will be detailed in Final. Although the parcels are 5.4 acres, the total area of all drainage management areas that will have their runoff retained on-site are 4.41 acres. Approximately 0.09 acres of hardscape from the driveway will be draining away from the site, and the rest of the areas are landscaped/self treating areas. All drainage area runoff will be discharged into either above ground infiltration basins or a proposed underground basin system. The stored volume will be infiltrated into the subsoils within 72 hours to avoid any vector issues and will be confirmed with a calculation following the results of an on-site percolation test. Flows exceeding the design storm volume will be conveyed via surface overflow to Gerald Ford Drive. Refer to Appendix B for the Proposed Condition Hydrology Map.

As of June 15, 2009, developers must comply with the Colorado River Basin Regional Water Quality Control Board (CRBRWQCB) requiring the preparation, approval, and implementation of a project-specific WQMP for discretionary New Developments and Redevelopment projects that fall into (1) of the (8) Priority Development Project categories. This project falls into categories 3 and 8:

3. Commercial and industrial developments of 100,000 square feet or more;

8. Parking lots of 5,000 square feet of more with 25 or more parking spaces and potentially exposed to Urban Runoff.

## SECTION 3 – HYDROLOGY

*3.1 APPROACH AND METHODOLOGY*

The hydrologic analysis described in this report was performed in accordance with the criteria and procedures outlined in the Riverside County Flood Control and Water Conservation District Hydrology Manual dated April 1978, referred to hereafter as "Hydrology Manual".

Hydrologic calculations to evaluate surface runoff associated with the 100-year storm event were performed using data from the *Web Soil Survey* and *NOAA Atlas Point Precipitation Frequency Estimates* to find soil classification and rainfall intensity values. The Web Soil Survey report in Appendix D shows that the site entirely lies within hydrologic soil type "A". Precipitation data used in this study was taken from the NOAA Atlas 14 website at the project site and is included in Appendix E. The developed site will be considered "commercial" land use type with varying impervious cover. A summary of the proposed land-use is shown below in Table 1.

Table 1 – Proposed Land-use Summary

| DMA ID | DMA Area (sf) | Pervious (sf) | % Pervious | % Impervious |
|---|---|---|---|---|
| A1 | 31426.41 | 5520.48 | 17.57 | 82.43 |
| A2 | 12578.47 | 5553.72 | 44.15 | 55.85 |
| B1 | 26576.93 | 3222.4 | 12.12 | 87.88 |
| B2 | 21054.64 | 7749.67 | 36.81 | 63.19 |
| C1 | 76099.21 | 12855.85 | 16.89 | 83.11 |
| D1 | 24299.8 | 5102.5 | 21.00 | 79.00 |

Watershed losses generally consist of infiltration, depression storage, vegetation, and minor amounts of evaporation. Loss rates vary with each land use and soil type. The procedures and criteria used in this study for estimating loss rates follow the guidelines of the Hydrology Manual.

The Antecedent Moisture Condition (AMC) indicates the soil wetness prior to a particular storm and the runoff potential for the subject storm. An AMC is defined as:

AMC I: Lowest runoff potential

AMC II: Moderate runoff potential

AMC III: Highest runoff potential

AMC II was applied for the 100-year storm event as outlined in the Hydrology Manual.

*3.2 RATIONAL METHOD HYDROLOGY RESULTS*

The peak 100-year discharges are calculated using the rational method, as prescribed by the RCFC&WCD Hydrology Manual. Detailed catch basin inlet and storm drain size

calculations (hydraulics) will be provided in the Final Report along with a discussion of Manning's N values. For the Preliminary report, rational method calculations are located in Appendix A.

*3.3 STORAGE VOLUMES*

The project is required to retain 100% of the worst-case duration of the 100-year storm event onsite per the City of Rancho Mirage Municipal Code – Title 13 Section 13.05.010 for all projects greater than one acre in size and located north of the Whitewater River. A spreadsheet based on the Shortcut Method Synthetic Unit Hydrograph approach as prescribed by the Hydrology Manual has been utilized to perform the calculations. Rainfall input data for the 100-year, 1-hour, 3-hour, 6-hour, and 24-hour storms is input per said NOAA 14 Atlas. Basin Inflow is modeled in 5-minute intervals for the 1-hour, 3-hour and 6-hour storms, and 15-minute intervals for the 24-hour storm, based on the design storm unit hydrographs presented in the Hydrology Manual.

The 100-yr, 6-hour storm is shown to be the design storm from the results and a summary of the basin sizing can be seen in Table 2 below. The proposed underground retention chamber system has a capacity of approximately 3,725.06 cubic feet. ADS StormTech drawings are included in Appendix G that show the preliminary layout, sections, and details of the underground system; further specifications such as invert evaluations will be provided in the Final Drainage Study. The design infiltration rate of the soils at the basin is 1.0 in/hr per the maximum percolation rate set by the City of Rancho Mirage design standards in City Standard 310.

Table 2 – Unit Hydrograph Summary

| Basin | Drainage Area (ac) | Basin Storage Provided (cf) | Basin Storage Storm Volume (cf) | Depth Full/ Max Depth |
|---|---|---|---|---|
| A | 1.01 | 6,543.14 | 5,898.65 | 3.61/4 |
| B | 1.09 | 7,439.91 | 6,611.18 | 3.55/4 |
| C | 1.75 | 13,071.17 | 12,552.77 | 4.80/5 |
| D | 0.56 | 3,725.06 | 3,509.92 | 5.19/5.5 |

The proposed basins are in line with the design criteria set by the City having no steeper than 2:1 slopes, and one foot minimum of freeboard below the lowest building pad to the maximum water level. The maximum water surface elevation comes from Basin C, at 10.8, while the building pad is at 11.93.

## CONCLUSION

The methodologies used in this study are in compliance with the City of Rancho Mirage and RCFC&WCD Criteria. The project site lies within FEMA designated Zone X, Areas determined to be outside the 0.2% annual chance floodplain. The above ground infiltration basins and underground storage chamber will retain the volume of 100% of the worst case 100-year storm volume. Based on these design calculations, the proposed drainage system will capture sufficient onsite runoff to keep the proposed site from significant flooding during the 100-year storm event. There are no anticipated negative upstream or downstream impacts.

# APPENDIX A

## RATIONAL METHOD

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 10/02/23 File:SNFA.out

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SKILLED NURSING FACILITY
DMA A
PROPOSED CONDITION 100-YEAR STORM
BY DP ON 10/2/23

---

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

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Program License Serial Number 6482

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Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)
For the [ Cathedral City ] area used.
10 year storm 10 minute intensity = 2.770(In/Hr)
10 year storm 60 minute intensity = 0.980(In/Hr)
100 year storm 10 minute intensity = 4.520(In/Hr)
100 year storm 60 minute intensity = 1.600(In/Hr)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.600(In/Hr)
Slope of intensity duration curve = 0.5800

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

Process from Point/Station 10.000 to Point/Station 20.000
**** INITIAL AREA EVALUATION ****

---

Initial area flow distance = 247.600(Ft.)
Top (of initial area) elevation = 12.310(Ft.)
Bottom (of initial area) elevation = 11.190(Ft.)
Difference in elevation = 1.120(Ft.)
Slope = 0.00452 s(percent)= 0.45
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 8.008 min.
Rainfall intensity = 5.145(In/Hr) for a 100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.868
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000

```
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      3.216(CFS)
Total initial stream area =        0.720(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       20.000 to Point/Station       40.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 1 in normal stream number 1
Stream flow area =      0.720(Ac.)
Runoff from this stream =      3.216(CFS)
Time of concentration =    8.01 min.
Rainfall intensity =     5.145(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       30.000 to Point/Station       40.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   110.900(Ft.)
Top (of initial area) elevation =    12.300(Ft.)
Bottom (of initial area) elevation =    11.220(Ft.)
Difference in elevation =     1.080(Ft.)
Slope =    0.00974  s(percent)=       0.97
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Warning: TC computed to be less than 5 min.; program is assuming the
time of concentration is 5 minutes.
Initial area time of concentration =    5.000 min.
Rainfall intensity =      6.762(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.873
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      1.713(CFS)
Total initial stream area =        0.290(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       40.000 to Point/Station       40.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 1 in normal stream number 2
Stream flow area =      0.290(Ac.)
Runoff from this stream =      1.713(CFS)
Time of concentration =    5.00 min.
Rainfall intensity =     6.762(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)
```

```
1        3.216      8.01                 5.145
2        1.713      5.00                 6.762
Largest stream flow has longer time of concentration
Qp =      3.216 + sum of
        Qb         Ia/Ib
         1.713 *    0.761 =      1.303
Qp =      4.519

Total of 2 streams to confluence:
Flow rates before confluence point:
       3.216       1.713
Area of streams before confluence:
        0.720        0.290
Results of confluence:
Total flow rate =      4.519(CFS)
Time of concentration =     8.008 min.
Effective stream area after confluence =      1.010(Ac.)
End of computations, total study area =            1.01 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged RI index number =  32.0
```

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 10/02/23 File:SNFB.out

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SKILLED NURSING FACILITY
DMA B
PROPOSED CONDITION 100-YEAR STORM
BY DP ON 10/2/23

---

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

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Program License Serial Number 6482

---

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)
For the [ Cathedral City ] area used.
10 year storm 10 minute intensity = 2.770(In/Hr)
10 year storm 60 minute intensity = 0.980(In/Hr)
100 year storm 10 minute intensity = 4.520(In/Hr)
100 year storm 60 minute intensity = 1.600(In/Hr)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.600(In/Hr)
Slope of intensity duration curve = 0.5800

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

Process from Point/Station 10.000 to Point/Station 50.000
**** INITIAL AREA EVALUATION ****

---

Initial area flow distance = 121.900(Ft.)
Top (of initial area) elevation = 12.310(Ft.)
Bottom (of initial area) elevation = 10.780(Ft.)
Difference in elevation = 1.530(Ft.)
Slope = 0.01255 s(percent)= 1.26
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Warning: TC computed to be less than 5 min.; program is assuming the
time of concentration is 5 minutes.
Initial area time of concentration = 5.000 min.
Rainfall intensity = 6.762(In/Hr) for a 100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.873
Decimal fraction soil group A = 1.000

```
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      3.602(CFS)
Total initial stream area =        0.610(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       50.000 to Point/Station       70.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 1 in normal stream number 1
Stream flow area =      0.610(Ac.)
Runoff from this stream =      3.602(CFS)
Time of concentration =    5.00 min.
Rainfall intensity =     6.762(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       60.000 to Point/Station       70.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   196.000(Ft.)
Top (of initial area) elevation =    12.920(Ft.)
Bottom (of initial area) elevation =    11.060(Ft.)
Difference in elevation =     1.860(Ft.)
Slope =    0.00949  s(percent)=       0.95
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    6.289 min.
Rainfall intensity =      5.919(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.871
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      2.474(CFS)
Total initial stream area =        0.480(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       70.000 to Point/Station       70.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 1 in normal stream number 2
Stream flow area =      0.480(Ac.)
Runoff from this stream =      2.474(CFS)
Time of concentration =    6.29 min.
Rainfall intensity =     5.919(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)
```

```
1        3.602      5.00                 6.762
2        2.474      6.29                 5.919
Largest stream flow has longer or shorter time of concentration
Qp =      3.602 + sum of
        Qa          Tb/Ta
         2.474 *    0.795 =      1.967
Qp =      5.570

Total of 2 streams to confluence:
Flow rates before confluence point:
       3.602       2.474
Area of streams before confluence:
        0.610        0.480
Results of confluence:
Total flow rate =      5.570(CFS)
Time of concentration =     5.000 min.
Effective stream area after confluence =      1.090(Ac.)
End of computations, total study area =            1.09 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged RI index number =  32.0
```

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 10/02/23 File:SNFC.out

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SKILLED NURSING FACILITY
DMA C
PROPOSED CONDITION 100-YEAR STORM
BY DP ON 10/2/23

---

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

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Program License Serial Number 6482

---

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)
For the [ Cathedral City ] area used.
10 year storm 10 minute intensity = 2.770(In/Hr)
10 year storm 60 minute intensity = 0.980(In/Hr)
100 year storm 10 minute intensity = 4.520(In/Hr)
100 year storm 60 minute intensity = 1.600(In/Hr)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.600(In/Hr)
Slope of intensity duration curve = 0.5800

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

Process from Point/Station 80.000 to Point/Station 90.000
**** INITIAL AREA EVALUATION ****

---

Initial area flow distance = 183.400(Ft.)
Top (of initial area) elevation = 12.430(Ft.)
Bottom (of initial area) elevation = 10.840(Ft.)
Difference in elevation = 1.590(Ft.)
Slope = 0.00867 s(percent)= 0.87
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 6.236 min.
Rainfall intensity = 5.949(In/Hr) for a 100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.871
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000

```
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      9.067(CFS)
Total initial stream area =        1.750(Ac.)
Pervious area fraction = 0.100
End of computations, total study area =            1.75 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged RI index number =  32.0
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Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 10/02/23 File:SNFD.out

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SKILLED NURSING FACILITY
DMA D
PROPOSED CONDITION 100-YEAR STORM
BY DP ON 10/2/23

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********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

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Program License Serial Number 6482

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Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)
For the [ Cathedral City ] area used.
10 year storm 10 minute intensity = 2.770(In/Hr)
10 year storm 60 minute intensity = 0.980(In/Hr)
100 year storm 10 minute intensity = 4.520(In/Hr)
100 year storm 60 minute intensity = 1.600(In/Hr)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.600(In/Hr)
Slope of intensity duration curve = 0.5800

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Process from Point/Station 100.000 to Point/Station 110.000
**** INITIAL AREA EVALUATION ****

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Initial area flow distance = 179.800(Ft.)
Top (of initial area) elevation = 12.170(Ft.)
Bottom (of initial area) elevation = 10.400(Ft.)
Difference in elevation = 1.770(Ft.)
Slope = 0.00984 s(percent)= 0.98
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 6.031 min.
Rainfall intensity = 6.065(In/Hr) for a 100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.871
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000

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Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  32.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      2.959(CFS)
Total initial stream area =        0.560(Ac.)
Pervious area fraction = 0.100
End of computations, total study area =            0.56 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged RI index number =  32.0
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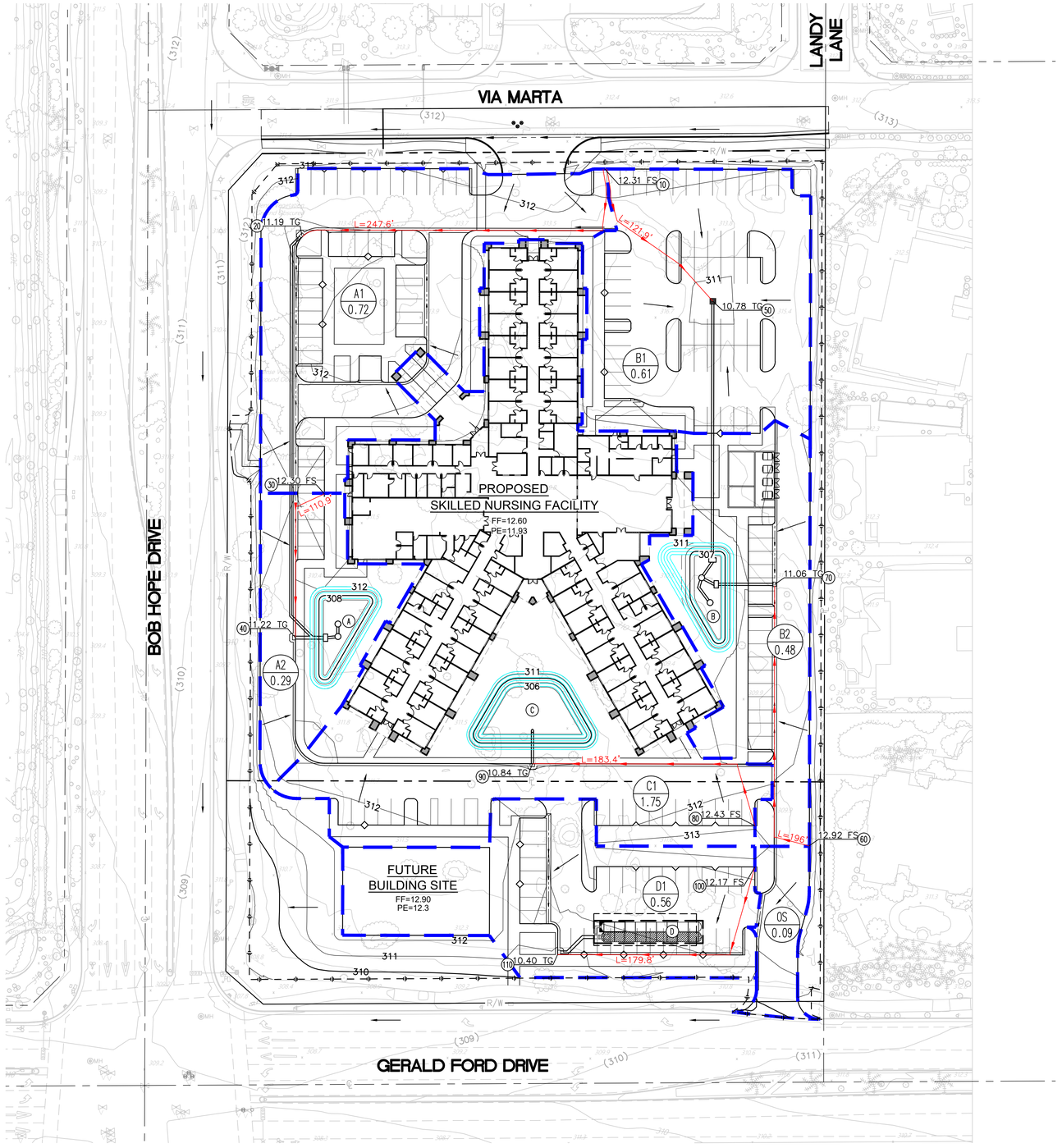
# APPENDIX B

## PROPOSED CONDITION HYDROLOGY MAP




## LEGEND:

- DRAINAGE MANAGEMENT AREA
- SUBAREA IDENTIFICATION (X# / #.##) AREA IN ACRES
- NODE IDENTIFICATION (XX)
- SURFACE FLOW
- PROPOSED STORM DRAIN

SCALE 1"=40'

40 20 0 40 80 120

SCALE: 1"=40'


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EXHIBIT 1
PRELIMINARY HYDROLOGY MAP
SKILLED NURSING FACILITY

H:\PDATA\194821\CADD\STORMWATER\194821-HH-20L.DWG PELTIER, DANIELLE 10/2/2023 3:36 PM

# APPENDIX C

## SYNTHETIC UNIT HYDROGRAPH CALCULATIONS

**HYDROLOGY CALCULATIONS -**

**Using the RCFC&WCD Short Cut Unit Hydrograph Method**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Area Designations** | **Basin A** | | | | | |
| **Drainage Area (ac.)** | **1.0100** | | | | | |
| Unit time (minutes) | **5** | **5** | **5** | **15** | | |
| 100 Year Storm Duration (hrs) | 1 | 3 | 6 | 24 | | |
| Total Precipitation (Plates D-4.4,E-5.2, 5.4, 5.6)(in.) | **1.76** | **2.49** | **3.24** | **4.78** | Or data from NOAA interactive website | |
| Soils Group | A | | | | | |
| AMC index II Runoff Number (plate E-6.1) | 32 | | | | | |
| Plate E-6.2 Pervious Area Loss Rate (Fp)(in/hr) | 0.74 | (AMC II) | | | | |
| Percentage of Impervious Cover (Ai)(%) (plate E-6.3) | | **74.83** | (See impervious/pervious area calculations included in report) | | | |
| Weighted Average Loss Rate (F=Fp(1-.9Ai))(in./hr.) | 0.24 | (used for 1, 3, and 6 hour storm, the 24 hour storm uses variable maximum loss rate per plate E-1.1 (3 of 6)) | | | | |
| Low Loss Rate Percent (%) | 80 | | | | | |
| Retention Basin Percolation Rate (in/hr) | **1** | (also used for drywell percolation rate) | | | | |

**Percolation is taken incrementally.**

**Basin volume is calculated using the "truncated pyramid" formula, a more conservative estimate than "averaged end areas" sometimes used**

**(Drywell can be "zeroed out" by reducing numbers to less than .001, but should not entered as zeros or program chokes.)**

**Drywell storage includes 40% of the 1' wide rock bed surrounding the drywell: formula (upper)*PI()*(diam/2)^2+(lower)*PI()*((diam/2)^2+0.4*((diam/2+(grav+0.4166))^2-(diam/2+0.4166)^2))**

**The drywell wall thickness is assumed at 5" (0.4166) and the gravel bed width is variable "grav"**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Drywell design factors** | **Upper sec. (ft.)=** | **5** | **Lower sec. (ft.)=** | **15** | **Ring diam. (ft.) =** | **4** | **Drywell lower max. (cf)=** | **298.45** | **Upper max.(cf)=** | **62.83** |
| | **Gravel bed width around drwyell=** | **1** | | | | | **Drywell total(cf)=** | **361.28** | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Ret. Basin design (area, depth)** | **Top =** | **2377.95** | s.f. | **Bot. =** | **992.86** | **s.f.** | **Max. Depth (d)=** | **4** | **Max. storage=** | **6543.14** | (d/3)*(bottom+top+(bottom*top)^0.50) |
| **Formulas** | **vol=(h/3)*(bottom+top+(bottom*top)^0.50)** | | | **area=bottom+(h/d)*(top-bottom)** | | | **h=(vol*3)/(bottom+top+(bottom*top)^0.5)** | | **(values must be non-zero or error occurs)** | | |
| | **Outside input from:** | **N/A** | | | | | | | | | |

**1 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 3.7 | 0.7814 | 0.2416 | N/A | | 0.5398 | 0.5497 | 164.92 | 0.00 | 30.89 | 0.21 | 164.71 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 4.8 | 1.0138 | 0.2416 | N/A | | 0.7721 | 0.7863 | 235.90 | 0.00 | 171.76 | 1.19 | 361.28 | 20.00 | 38.14 | 992.86 | 6.89 | 31.25 | 0.02 | 0.00 | 0.00 |
| 0:15 | 5.1 | 1.0771 | 0.2416 | N/A | | 0.8355 | 0.8509 | 255.26 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 253.28 | 999.47 | 6.94 | 277.58 | 0.17 | 0.00 | 0.00 |
| 0:20 | 4.9 | 1.0349 | 0.2416 | N/A | | 0.7932 | 0.8079 | 242.36 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 240.37 | 1051.62 | 7.30 | 510.65 | 0.31 | 0.00 | 0.00 |
| 0:25 | 6.6 | 1.3939 | 0.2416 | N/A | | 1.1523 | 1.1735 | 352.05 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 350.07 | 1100.96 | 7.65 | 853.07 | 0.52 | 0.00 | 0.00 |
| 0:30 | 7.3 | 1.5418 | 0.2416 | N/A | | 1.3001 | 1.3241 | 397.22 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 395.23 | 1173.44 | 8.15 | 1240.15 | 0.76 | 0.00 | 0.00 |
| 0:35 | 8.4 | 1.7741 | 0.2416 | N/A | | 1.5324 | 1.5607 | 468.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 466.21 | 1255.38 | 8.72 | 1697.65 | 1.04 | 0.00 | 0.00 |
| 0:40 | 9 | 1.9008 | 0.2416 | N/A | | 1.6592 | 1.6897 | 506.92 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 504.93 | 1352.23 | 9.39 | 2193.19 | 1.34 | 0.00 | 0.00 |
| 0:45 | 12.3 | 2.5978 | 0.2416 | N/A | | 2.3561 | 2.3995 | 719.86 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 717.87 | 1457.13 | 10.12 | 2900.94 | 1.77 | 0.00 | 0.00 |
| 0:50 | 17.6 | 3.7171 | 0.2416 | N/A | | **3.4755** | **3.5395** | **1061.85** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 1059.86 | 1606.95 | 11.16 | 3949.64 | 2.41 | 0.00 | 0.00 |
| 0:55 | 16.1 | 3.4003 | 0.2416 | N/A | | 3.1587 | 3.2169 | 965.06 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 963.07 | 1828.94 | 12.70 | 4900.01 | 3.00 | 0.00 | 0.00 |
| **1:00** | 4.2 | 0.8870 | 0.2416 | N/A | | 0.6454 | 0.6573 | 197.19 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 195.20 | 2030.12 | 14.10 | **5081.11** | **3.11** | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2416 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2068.46 | 14.36 | 5066.75 | 3.10 | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2416 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2065.42 | 14.34 | 5052.41 | 3.09 | 0.00 | 0.00 |
| 1:15 | 0 | 0.0000 | 0.2416 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2062.38 | 14.32 | 5038.08 | 3.08 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **5566.79** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**3 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 1.3 | 0.39 | 0.24 | N/A | | 0.1468 | 0.1495 | 44.85 | 0.00 | 30.89 | 0.21 | 44.64 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 1.3 | 0.39 | 0.24 | N/A | | 0.1468 | 0.1495 | 44.85 | 0.00 | 69.07 | 0.48 | 89.01 | 4.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 1.1 | 0.33 | 0.24 | N/A | | 0.0870 | 0.0887 | 26.60 | 0.00 | 107.02 | 0.74 | 114.86 | 5.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:20 | 1.5 | 0.45 | 0.24 | N/A | | 0.2066 | 0.2104 | 63.11 | 0.00 | 129.13 | 0.90 | 177.08 | 8.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:25 | 1.5 | 0.45 | 0.24 | N/A | | 0.2066 | 0.2104 | 63.11 | 0.00 | 182.34 | 1.27 | 238.93 | 12.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 235.23 | 1.63 | 349.72 | 19.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:35 | 1.5 | 0.45 | 0.24 | N/A | | 0.2066 | 0.2104 | 63.11 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 49.56 | 992.86 | 6.89 | 42.67 | 0.03 | 0.00 | 0.00 |
| 0:40 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 1001.89 | 6.96 | 124.22 | 0.08 | 0.00 | 0.00 |
| 0:45 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 1019.16 | 7.08 | 205.66 | 0.13 | 0.00 | 0.00 |
| 0:50 | 1.5 | 0.45 | 0.24 | N/A | | 0.2066 | 0.2104 | 63.11 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 61.12 | 1036.39 | 7.20 | 259.58 | 0.16 | 0.00 | 0.00 |
| 0:55 | 1.6 | 0.48 | 0.24 | N/A | | 0.2364 | 0.2408 | 72.24 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 70.25 | 1047.81 | 7.28 | 322.56 | 0.20 | 0.00 | 0.00 |
| **1:00** | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 1061.14 | 7.37 | 403.70 | 0.25 | 0.00 | 0.00 |
| 1:05 | 2.2 | 0.66 | 0.24 | N/A | | 0.4157 | 0.4234 | 127.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 125.03 | 1078.32 | 7.49 | 521.24 | 0.32 | 0.00 | 0.00 |
| 1:10 | 2.2 | 0.66 | 0.24 | N/A | | 0.4157 | 0.4234 | 127.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 125.03 | 1103.20 | 7.66 | 638.61 | 0.39 | 0.00 | 0.00 |
| 1:15 | 2.2 | 0.66 | 0.24 | N/A | | 0.4157 | 0.4234 | 127.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 125.03 | 1128.04 | 7.83 | 755.81 | 0.46 | 0.00 | 0.00 |
| 1:20 | 2 | 0.60 | 0.24 | N/A | | 0.3560 | 0.3625 | 108.76 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 106.77 | 1152.85 | 8.01 | 854.57 | 0.52 | 0.00 | 0.00 |
| 1:25 | 2.6 | 0.78 | 0.24 | N/A | | 0.5352 | 0.5451 | 163.53 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 161.54 | 1173.76 | 8.15 | 1007.96 | 0.62 | 0.00 | 0.00 |
| 1:30 | 2.7 | 0.81 | 0.24 | N/A | | 0.5651 | 0.5755 | 172.66 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 170.67 | 1206.23 | 8.38 | 1170.26 | 0.72 | 0.00 | 0.00 |
| 1:35 | 2.4 | 0.72 | 0.24 | N/A | | 0.4755 | 0.4842 | 145.27 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 143.29 | 1240.59 | 8.62 | 1304.93 | 0.80 | 0.00 | 0.00 |
| 1:40 | 2.7 | 0.81 | 0.24 | N/A | | 0.5651 | 0.5755 | 172.66 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 170.67 | 1269.10 | 8.81 | 1466.79 | 0.90 | 0.00 | 0.00 |
| 1:45 | 3.3 | 0.99 | 0.24 | N/A | | 0.7444 | 0.7581 | 227.44 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 225.45 | 1303.36 | 9.05 | 1683.19 | 1.03 | 0.00 | 0.00 |
| 1:50 | 3.1 | 0.93 | 0.24 | N/A | | 0.6846 | 0.6973 | 209.18 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 207.19 | 1349.17 | 9.37 | 1881.01 | 1.15 | 0.00 | 0.00 |
| 1:55 | 2.9 | 0.87 | 0.24 | N/A | | 0.6249 | 0.6364 | 190.92 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 188.93 | 1391.04 | 9.66 | 2060.28 | 1.26 | 0.00 | 0.00 |
| **2:00** | 3 | 0.90 | 0.24 | N/A | | 0.6548 | 0.6668 | 200.05 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 198.06 | 1428.99 | 9.92 | 2248.42 | 1.37 | 0.00 | 0.00 |
| 2:05 | 3.1 | 0.93 | 0.24 | N/A | | 0.6846 | 0.6973 | 209.18 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 207.19 | 1468.82 | 10.20 | 2445.41 | 1.49 | 0.00 | 0.00 |
| 2:10 | 4.2 | 1.25 | 0.24 | N/A | | 1.0133 | 1.0320 | 309.60 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 307.61 | 1510.52 | 10.49 | 2742.53 | 1.68 | 0.00 | 0.00 |
| 2:15 | 5 | 1.49 | 0.24 | N/A | | 1.2524 | 1.2754 | 382.63 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 380.64 | 1573.41 | 10.93 | 3112.24 | 1.90 | 0.00 | 0.00 |
| 2:20 | 3.5 | 1.05 | 0.24 | N/A | | 0.8042 | 0.8190 | 245.69 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 243.71 | 1651.68 | 11.47 | 3344.48 | 2.04 | 0.00 | 0.00 |
| 2:25 | 6.8 | 2.03 | 0.24 | N/A | | 1.7902 | 1.8232 | 546.95 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 544.97 | 1700.84 | 11.81 | 3877.64 | 2.37 | 0.00 | 0.00 |
| 2:30 | 7.3 | 2.18 | 0.24 | N/A | | 1.9396 | 1.9753 | 592.60 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 590.61 | 1813.70 | 12.60 | 4455.65 | 2.72 | 0.00 | 0.00 |
| 2:35 | 8.2 | 2.45 | 0.24 | N/A | | **2.2085** | **2.2492** | **674.76** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 672.77 | 1936.06 | 13.44 | 5114.98 | 3.13 | 0.00 | 0.00 |
| 2:40 | 5.9 | 1.76 | 0.24 | N/A | | 1.5213 | 1.5493 | 464.79 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 462.80 | 2075.63 | 14.41 | 5563.37 | 3.40 | 0.00 | 0.00 |
| 2:45 | 2 | 0.60 | 0.24 | N/A | | 0.3560 | 0.3625 | 108.76 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 106.77 | 2170.55 | 15.07 | 5655.07 | 3.46 | 0.00 | 0.00 |
| 2:50 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 2189.96 | 15.21 | 5728.37 | 3.50 | 0.00 | 0.00 |
| 2:55 | 1.8 | 0.54 | 0.24 | N/A | | 0.2962 | 0.3017 | 90.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 88.51 | 2205.47 | 15.32 | **5801.57** | **3.55** | 0.00 | 0.00 |
| **3:00** | 0.6 | 0.18 | 0.24 | 0.14 | | 0.0359 | 0.0365 | 10.95 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 8.97 | 2220.97 | 15.42 | 5795.11 | 3.54 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2219.60 | 15.41 | 5779.70 | 3.53 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2216.34 | 15.39 | 5764.31 | 3.52 | 0.00 | 0.00 |
| 3:15 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2213.08 | 15.37 | 5748.94 | 3.51 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 353.33 | 19.37 | 0.00 | 2209.83 | 15.35 | 5733.59 | 3.51 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 351.35 | 19.21 | 0.00 | 2206.58 | 15.32 | 5718.27 | 3.50 | 0.00 | 0.00 |
| 3:30 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 349.36 | 19.05 | 0.00 | 2203.34 | 15.30 | 5702.97 | 3.49 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 347.37 | 18.89 | 0.00 | 2200.10 | 15.28 | 5687.69 | 3.48 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 345.38 | 18.73 | 0.00 | 2196.86 | 15.26 | 5672.43 | 3.47 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | | **6501.40** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**6 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 0.5 | 0.19 | 0.24 | 0.16 | 0.0389 | 0.0396 | 11.88 | 0.00 | 30.89 | 0.21 | 11.66 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 0.6 | 0.23 | 0.24 | 0.19 | 0.0467 | 0.0475 | 14.25 | 0.00 | 40.87 | 0.28 | 25.64 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 0.6 | 0.23 | 0.24 | 0.19 | 0.0467 | 0.0475 | 14.25 | 0.00 | 52.82 | 0.37 | 39.52 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:20 | 0.6 | 0.23 | 0.24 | 0.19 | 0.0467 | 0.0475 | 14.25 | 0.00 | 64.69 | 0.45 | 53.33 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:25 | 0.6 | 0.23 | 0.24 | 0.19 | 0.0467 | 0.0475 | 14.25 | 0.00 | 76.50 | 0.53 | 67.05 | 3.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 88.24 | 0.61 | 83.07 | 4.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:35 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 101.94 | 0.71 | 98.99 | 4.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:40 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 115.56 | 0.80 | 114.82 | 5.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 129.09 | 0.90 | 130.55 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:50 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 142.55 | 0.99 | 146.19 | 7.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:55 | 0.7 | 0.27 | 0.24 | 0.22 | 0.0544 | 0.0554 | 16.63 | 0.00 | 155.93 | 1.08 | 161.74 | 8.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 169.22 | 1.18 | 181.77 | 9.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:05 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 186.35 | 1.29 | 201.68 | 10.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:10 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 203.38 | 1.41 | 221.48 | 11.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 220.31 | 1.53 | 241.15 | 12.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:20 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 237.14 | 1.65 | 260.71 | 13.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:25 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 253.87 | 1.76 | 280.15 | 14.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 270.50 | 1.88 | 306.22 | 15.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:35 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 325.44 | 17.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:40 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 344.66 | 18.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 2.60 | 992.86 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:50 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 19.22 | 992.86 | 6.89 | 12.32 | 0.01 | 0.00 | 0.00 |
| 1:55 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 19.22 | 995.47 | 6.91 | 24.63 | 0.02 | 0.00 | 0.00 |
| **2:00** | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 998.07 | 6.93 | 48.80 | 0.03 | 0.00 | 0.00 |
| 2:05 | 0.8 | 0.31 | 0.24 | N/A | 0.0694 | 0.0707 | 21.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 19.22 | 1003.19 | 6.97 | 61.05 | 0.04 | 0.00 | 0.00 |
| 2:10 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1005.78 | 6.98 | 85.16 | 0.05 | 0.00 | 0.00 |
| 2:15 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1010.89 | 7.02 | 109.24 | 0.07 | 0.00 | 0.00 |
| 2:20 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1015.98 | 7.06 | 133.28 | 0.08 | 0.00 | 0.00 |
| 2:25 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1021.07 | 7.09 | 157.29 | 0.10 | 0.00 | 0.00 |
| 2:30 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1026.16 | 7.13 | 181.26 | 0.11 | 0.00 | 0.00 |
| 2:35 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1031.23 | 7.16 | 205.20 | 0.13 | 0.00 | 0.00 |
| 2:40 | 0.9 | 0.35 | 0.24 | N/A | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 1036.30 | 7.20 | 229.10 | 0.14 | 0.00 | 0.00 |
| 2:45 | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1041.36 | 7.23 | 264.84 | 0.16 | 0.00 | 0.00 |
| 2:50 | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1048.92 | 7.28 | 300.53 | 0.18 | 0.00 | 0.00 |
| 2:55 | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1056.48 | 7.34 | 336.17 | 0.21 | 0.00 | 0.00 |
| **3:00** | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1064.02 | 7.39 | 371.76 | 0.23 | 0.00 | 0.00 |
| 3:05 | 1 | 0.39 | 0.24 | N/A | 0.1472 | 0.1499 | 44.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 42.98 | 1071.56 | 7.44 | 407.29 | 0.25 | 0.00 | 0.00 |
| 3:10 | 1.1 | 0.43 | 0.24 | N/A | 0.1860 | 0.1895 | 56.84 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 54.86 | 1079.08 | 7.49 | 454.66 | 0.28 | 0.00 | 0.00 |
| 3:15 | 1.1 | 0.43 | 0.24 | N/A | 0.1860 | 0.1895 | 56.84 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 54.86 | 1089.10 | 7.56 | 501.95 | 0.31 | 0.00 | 0.00 |
| 3:20 | 1.1 | 0.43 | 0.24 | N/A | 0.1860 | 0.1895 | 56.84 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 54.86 | 1099.12 | 7.63 | 549.17 | 0.34 | 0.00 | 0.00 |
| 3:25 | 1.2 | 0.47 | 0.24 | N/A | 0.2249 | 0.2291 | 68.72 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 66.73 | 1109.11 | 7.70 | 608.20 | 0.37 | 0.00 | 0.00 |
| 3:30 | 1.3 | 0.51 | 0.24 | N/A | 0.2638 | 0.2687 | 80.60 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 78.61 | 1121.61 | 7.79 | 679.03 | 0.42 | 0.00 | 0.00 |
| 3:35 | 1.4 | 0.54 | 0.24 | N/A | 0.3027 | 0.3083 | 92.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 90.49 | 1136.60 | 7.89 | 761.62 | 0.47 | 0.00 | 0.00 |
| 3:40 | 1.4 | 0.54 | 0.24 | N/A | 0.3027 | 0.3083 | 92.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 90.49 | 1154.09 | 8.01 | 844.10 | 0.52 | 0.00 | 0.00 |
| 3:45 | 1.5 | 0.58 | 0.24 | N/A | 0.3416 | 0.3479 | 104.36 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 102.37 | 1171.54 | 8.14 | 938.34 | 0.57 | 0.00 | 0.00 |
| 3:50 | 1.5 | 0.58 | 0.24 | N/A | 0.3416 | 0.3479 | 104.36 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 102.37 | 1191.49 | 8.27 | 1032.43 | 0.63 | 0.00 | 0.00 |
| 3:55 | 1.6 | 0.62 | 0.24 | N/A | 0.3804 | 0.3875 | 116.24 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 114.25 | 1211.41 | 8.41 | 1138.27 | 0.70 | 0.00 | 0.00 |
| **4:00** | 1.6 | 0.62 | 0.24 | N/A | 0.3804 | 0.3875 | 116.24 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 114.25 | 1233.82 | 8.57 | 1243.95 | 0.76 | 0.00 | 0.00 |
| 4:05 | 1.7 | 0.66 | 0.24 | N/A | 0.4193 | 0.4271 | 128.12 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 126.13 | 1256.19 | 8.72 | 1361.35 | 0.83 | 0.00 | 0.00 |
| 4:10 | 1.8 | 0.70 | 0.24 | N/A | 0.4582 | 0.4666 | 139.99 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 138.01 | 1281.04 | 8.90 | 1490.47 | 0.91 | 0.00 | 0.00 |
| 4:15 | 1.9 | 0.74 | 0.24 | N/A | 0.4971 | 0.5062 | 151.87 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 149.89 | 1308.37 | 9.09 | 1631.27 | 1.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:20 | 2 | 0.78 | 0.24 | N/A | | 0.5360 | 0.5458 | 163.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 161.76 | 1338.18 | 9.29 | 1783.74 | 1.09 | 0.00 | 0.00 |
| 4:25 | 2.1 | 0.82 | 0.24 | N/A | | 0.5748 | 0.5854 | 175.63 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 173.64 | 1370.45 | 9.52 | 1947.86 | 1.19 | 0.00 | 0.00 |
| 4:30 | 2.1 | 0.82 | 0.24 | N/A | | 0.5748 | 0.5854 | 175.63 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 173.64 | 1405.20 | 9.76 | 2111.75 | 1.29 | 0.00 | 0.00 |
| 4:35 | 2.2 | 0.86 | 0.24 | N/A | | 0.6137 | 0.6250 | 187.51 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 185.52 | 1439.89 | 10.00 | 2287.27 | 1.40 | 0.00 | 0.00 |
| 4:40 | 2.3 | 0.89 | 0.24 | N/A | | 0.6526 | 0.6646 | 199.39 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 197.40 | 1477.04 | 10.26 | 2474.41 | 1.51 | 0.00 | 0.00 |
| 4:45 | 2.4 | 0.93 | 0.24 | N/A | | 0.6915 | 0.7042 | 211.27 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 209.28 | 1516.66 | 10.53 | 2673.16 | 1.63 | 0.00 | 0.00 |
| 4:50 | 2.4 | 0.93 | 0.24 | N/A | | 0.6915 | 0.7042 | 211.27 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 209.28 | 1558.73 | 10.82 | 2871.62 | 1.76 | 0.00 | 0.00 |
| 4:55 | 2.5 | 0.97 | 0.24 | N/A | | 0.7304 | 0.7438 | 223.15 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 221.16 | 1600.74 | 11.12 | 3081.66 | 1.88 | 0.00 | 0.00 |
| **5:00** | 2.6 | 1.01 | 0.24 | N/A | | 0.7692 | 0.7834 | 235.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 233.04 | 1645.20 | 11.43 | 3303.27 | 2.02 | 0.00 | 0.00 |
| 5:05 | 3.1 | 1.21 | 0.24 | N/A | | 0.9636 | 0.9814 | 294.42 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 292.43 | 1692.12 | 11.75 | 3583.95 | 2.19 | 0.00 | 0.00 |
| 5:10 | 3.6 | 1.40 | 0.24 | N/A | | 1.1580 | 1.1794 | 353.81 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 351.83 | 1751.53 | 12.16 | 3923.61 | 2.40 | 0.00 | 0.00 |
| 5:15 | 3.9 | 1.52 | 0.24 | N/A | | 1.2747 | 1.2982 | 389.45 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 387.46 | 1823.43 | 12.66 | 4298.41 | 2.63 | 0.00 | 0.00 |
| 5:20 | 4.2 | 1.63 | 0.24 | N/A | | 1.3913 | 1.4170 | 425.09 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 423.10 | 1902.77 | 13.21 | 4708.30 | 2.88 | 0.00 | 0.00 |
| 5:25 | 4.7 | 1.83 | 0.24 | N/A | | 1.5857 | 1.6149 | 484.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 482.49 | 1989.54 | 13.82 | 5176.97 | 3.16 | 0.00 | 0.00 |
| 5:30 | 5.6 | 2.18 | 0.24 | N/A | | **1.9356** | **1.9713** | **591.39** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 589.40 | 2088.75 | 14.51 | 5751.87 | 3.52 | 0.00 | 0.00 |
| 5:35 | 1.9 | 0.74 | 0.24 | N/A | | 0.4971 | 0.5062 | 151.87 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 149.89 | 2210.45 | 15.35 | 5886.41 | 3.60 | 0.00 | 0.00 |
| 5:40 | 0.9 | 0.35 | 0.24 | N/A | | 0.1083 | 0.1103 | 33.08 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 31.10 | 2238.93 | 15.55 | 5901.96 | 3.61 | 0.00 | 0.00 |
| 5:45 | 0.6 | 0.23 | 0.24 | 0.19 | | 0.0467 | 0.0475 | 14.25 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 12.27 | 2242.22 | 15.57 | **5898.65** | **3.61** | 0.00 | 0.00 |
| 5:50 | 0.5 | 0.19 | 0.24 | 0.16 | | 0.0389 | 0.0396 | 11.88 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 9.89 | 2241.52 | 15.57 | 5892.98 | 3.60 | 0.00 | 0.00 |
| 5:55 | 0.3 | 0.12 | 0.24 | 0.09 | | 0.0233 | 0.0238 | 7.13 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 5.14 | 2240.32 | 15.56 | 5882.56 | 3.60 | 0.00 | 0.00 |
| **6:00** | 0.2 | 0.08 | 0.24 | 0.06 | | 0.0156 | 0.0158 | 4.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 2.76 | 2238.11 | 15.54 | 5869.78 | 3.59 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2235.41 | 15.52 | 5854.26 | 3.58 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2232.12 | 15.50 | 5838.76 | 3.57 | 0.00 | 0.00 |
| 6:15 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2228.84 | 15.48 | 5823.28 | 3.56 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 353.33 | 19.37 | 0.00 | 2225.57 | 15.46 | 5807.82 | 3.55 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 351.35 | 19.21 | 0.00 | 2222.29 | 15.43 | 5792.39 | 3.54 | 0.00 | 0.00 |
| 6:30 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 349.36 | 19.05 | 0.00 | 2219.03 | 15.41 | 5776.98 | 3.53 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 347.37 | 18.89 | 0.00 | 2215.77 | 15.39 | 5761.59 | 3.52 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 345.38 | 18.73 | 0.00 | 2212.51 | 15.36 | 5746.23 | 3.51 | 0.00 | 0.00 |
| 6:45 | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 343.40 | 18.58 | 0.00 | 2209.26 | 15.34 | 5730.89 | 3.50 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 341.41 | 18.42 | 0.00 | 2206.01 | 15.32 | 5715.57 | 3.49 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 339.42 | 18.26 | 0.00 | 2202.76 | 15.30 | 5700.27 | 3.48 | 0.00 | 0.00 |
| **7:00** | 0 | 0.00 | 0.24 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 337.44 | 18.10 | 0.00 | 2199.53 | 15.27 | 5685.00 | 3.48 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | | **6844.04** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**24 Hour Storm in 15 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:15 | 0.2 | 0.04 | 0.42 | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 30.89 | 0.64 | 6.37 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.3 | 0.06 | 0.42 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 36.34 | 0.76 | 16.12 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.3 | 0.06 | 0.41 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 44.68 | 0.93 | 25.71 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.4 | 0.08 | 0.41 | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 52.88 | 1.10 | 38.63 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.3 | 0.06 | 0.40 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 63.93 | 1.33 | 47.81 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.3 | 0.06 | 0.40 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 71.78 | 1.50 | 56.83 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.3 | 0.06 | 0.40 | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 79.50 | 1.66 | 65.69 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **2:00** | 0.4 | 0.08 | 0.39 | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 87.07 | 1.81 | 77.89 | 3.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:15 | 0.4 | 0.08 | 0.39 | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 97.51 | 2.03 | 89.88 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:30 | 0.4 | 0.08 | 0.38 | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 107.76 | 2.25 | 101.66 | 5.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:45 | 0.5 | 0.10 | 0.38 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 117.84 | 2.45 | 116.73 | 5.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **3:00** | 0.5 | 0.10 | 0.37 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 130.72 | 2.72 | 131.53 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:15 | 0.5 | 0.10 | 0.37 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 143.38 | 2.99 | 146.07 | 7.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:30 | 0.5 | 0.10 | 0.36 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 155.82 | 3.25 | 160.35 | 8.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:45 | 0.5 | 0.10 | 0.36 | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 168.03 | 3.50 | 174.37 | 8.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **4:00** | 0.6 | 0.11 | 0.35 | 0.09 | 0.0229 | 0.0234 | 21.03 | 0.00 | 180.02 | 3.75 | 191.65 | 9.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:15 | 0.6 | 0.11 | 0.35 | 0.09 | 0.0229 | 0.0234 | 21.03 | 0.00 | 194.80 | 4.06 | 208.62 | 10.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:30 | 0.7 | 0.13 | 0.34 | 0.11 | 0.0268 | 0.0273 | 24.53 | 0.00 | 209.32 | 4.36 | 228.79 | 11.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:45 | 0.7 | 0.13 | 0.34 | 0.11 | 0.0268 | 0.0273 | 24.53 | 0.00 | 226.57 | 4.72 | 248.61 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **5:00** | 0.8 | 0.15 | 0.34 | 0.12 | 0.0306 | 0.0312 | 28.04 | 0.00 | 243.52 | 5.07 | 271.58 | 13.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:15 | 0.6 | 0.11 | 0.33 | 0.09 | 0.0229 | 0.0234 | 21.03 | 0.00 | 263.16 | 5.48 | 287.12 | 14.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:30 | 0.7 | 0.13 | 0.33 | 0.11 | 0.0268 | 0.0273 | 24.53 | 0.00 | 276.46 | 5.76 | 310.07 | 15.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:45 | 0.8 | 0.15 | 0.32 | 0.12 | 0.0306 | 0.0312 | 28.04 | 0.00 | 286.14 | 5.96 | 332.15 | 17.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **6:00** | 0.8 | 0.15 | 0.32 | 0.12 | 0.0306 | 0.0312 | 28.04 | 0.00 | 286.14 | 5.96 | 354.23 | 19.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:15 | 0.9 | 0.17 | 0.31 | 0.14 | 0.0344 | 0.0350 | 31.54 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 18.53 | 992.86 | 18.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:30 | 0.9 | 0.17 | 0.31 | 0.14 | 0.0344 | 0.0350 | 31.54 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 25.58 | 992.86 | 20.68 | 4.90 | 0.00 | 0.00 | 0.00 |
| 6:45 | 1 | 0.19 | 0.31 | 0.15 | 0.0382 | 0.0389 | 35.05 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 29.09 | 993.90 | 20.71 | 13.28 | 0.01 | 0.00 | 0.00 |
| **7:00** | 1 | 0.19 | 0.30 | 0.15 | 0.0382 | 0.0389 | 35.05 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 29.09 | 995.67 | 20.74 | 21.63 | 0.01 | 0.00 | 0.00 |
| 7:15 | 1 | 0.19 | 0.30 | 0.15 | 0.0382 | 0.0389 | 35.05 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 29.09 | 997.44 | 20.78 | 29.94 | 0.02 | 0.00 | 0.00 |
| 7:30 | 1.1 | 0.21 | 0.29 | 0.17 | 0.0421 | 0.0428 | 38.55 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 32.59 | 999.20 | 20.82 | 41.71 | 0.03 | 0.00 | 0.00 |
| 7:45 | 1.2 | 0.23 | 0.29 | 0.18 | 0.0459 | 0.0467 | 42.06 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 36.10 | 1001.69 | 20.87 | 56.94 | 0.03 | 0.00 | 0.00 |
| **8:00** | 1.3 | 0.25 | 0.29 | 0.20 | 0.0497 | 0.0506 | 45.56 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 39.60 | 1004.91 | 20.94 | 75.61 | 0.05 | 0.00 | 0.00 |
| 8:15 | 1.5 | 0.29 | 0.28 | 0.23 | 0.0574 | 0.0584 | 52.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 46.61 | 1008.87 | 21.02 | 101.21 | 0.06 | 0.00 | 0.00 |
| 8:30 | 1.5 | 0.29 | 0.28 | 0.23 | 0.0574 | 0.0584 | 52.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 46.61 | 1014.28 | 21.13 | 126.69 | 0.08 | 0.00 | 0.00 |
| 8:45 | 1.6 | 0.31 | 0.27 | 0.24 | 0.0612 | 0.0623 | 56.08 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.12 | 1019.68 | 21.24 | 155.56 | 0.10 | 0.00 | 0.00 |
| **9:00** | 1.7 | 0.33 | 0.27 | 0.26 | 0.0650 | 0.0662 | 59.58 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 53.62 | 1025.79 | 21.37 | 187.82 | 0.11 | 0.00 | 0.00 |
| 9:15 | 1.9 | 0.36 | 0.27 | N/A | 0.0975 | 0.0993 | 89.34 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 83.37 | 1032.62 | 21.51 | 249.68 | 0.15 | 0.00 | 0.00 |
| 9:30 | 2 | 0.38 | 0.26 | N/A | 0.1204 | 0.1226 | 110.34 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 104.37 | 1045.71 | 21.79 | 332.27 | 0.20 | 0.00 | 0.00 |
| 9:45 | 2.1 | 0.40 | 0.26 | N/A | 0.1433 | 0.1459 | 131.30 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 125.34 | 1063.20 | 22.15 | 435.46 | 0.27 | 0.00 | 0.00 |
| **10:00** | 2.2 | 0.42 | 0.25 | N/A | 0.1661 | 0.1692 | 152.24 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 146.28 | 1085.04 | 22.61 | 559.13 | 0.34 | 0.00 | 0.00 |
| 10:15 | 1.5 | 0.29 | 0.25 | 0.23 | 0.0574 | 0.0584 | 52.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 46.61 | 1111.22 | 23.15 | 582.59 | 0.36 | 0.00 | 0.00 |
| 10:30 | 1.5 | 0.29 | 0.25 | 0.23 | 0.0574 | 0.0584 | 52.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 46.61 | 1116.19 | 23.25 | 605.95 | 0.37 | 0.00 | 0.00 |
| 10:45 | 2 | 0.38 | 0.24 | N/A | 0.1388 | 0.1413 | 127.21 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 121.25 | 1121.13 | 23.36 | 703.85 | 0.43 | 0.00 | 0.00 |
| **11:00** | 2 | 0.38 | 0.24 | N/A | 0.1424 | 0.1450 | 130.49 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 124.53 | 1141.85 | 23.79 | 804.59 | 0.49 | 0.00 | 0.00 |
| 11:15 | 1.9 | 0.36 | 0.24 | N/A | 0.1268 | 0.1291 | 116.20 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 110.24 | 1163.18 | 24.23 | 890.60 | 0.54 | 0.00 | 0.00 |
| 11:30 | 1.9 | 0.36 | 0.23 | N/A | 0.1303 | 0.1327 | 119.41 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 113.45 | 1181.39 | 24.61 | 979.43 | 0.60 | 0.00 | 0.00 |
| 11:45 | 1.7 | 0.33 | 0.23 | N/A | 0.0955 | 0.0973 | 87.53 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 81.57 | 1200.19 | 25.00 | 1035.99 | 0.63 | 0.00 | 0.00 |
| **12:00** | 1.8 | 0.34 | 0.23 | N/A | 0.1180 | 0.1202 | 108.19 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 102.23 | 1212.17 | 25.25 | 1112.97 | 0.68 | 0.00 | 0.00 |
| 12:15 | 2.5 | 0.48 | 0.22 | N/A | 0.2553 | 0.2600 | 233.96 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 228.00 | 1228.46 | 25.59 | 1315.38 | 0.80 | 0.00 | 0.00 |
| 12:30 | 2.6 | 0.50 | 0.22 | N/A | 0.2777 | 0.2828 | 254.55 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 248.59 | 1271.31 | 26.49 | 1537.48 | 0.94 | 0.00 | 0.00 |
| 12:45 | 2.8 | 0.54 | 0.22 | N/A | 0.3193 | 0.3251 | 292.63 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 286.66 | 1318.32 | 27.47 | 1796.68 | 1.10 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **13:00** | 2.9 | 0.55 | 0.21 | N/A | | 0.3416 | 0.3479 | 313.14 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 307.18 | 1373.19 | 28.61 | 2075.25 | 1.27 | 0.00 | 0.00 |
| 13:15 | 3.4 | 0.65 | 0.21 | N/A | | 0.4405 | 0.4486 | 403.72 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 397.76 | 1432.16 | 29.84 | 2443.17 | 1.49 | 0.00 | 0.00 |
| 13:30 | 3.4 | 0.65 | 0.21 | N/A | | **0.4436** | **0.4518** | **406.63** | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 400.67 | 1510.04 | 31.46 | 2812.38 | 1.72 | 0.00 | 0.00 |
| 13:45 | 2.3 | 0.44 | 0.20 | N/A | | 0.2365 | 0.2408 | 216.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 210.77 | 1588.20 | 33.09 | 2990.07 | 1.83 | 0.00 | 0.00 |
| **14:00** | 2.3 | 0.44 | 0.20 | N/A | | 0.2396 | 0.2440 | 219.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 213.61 | 1625.82 | 33.87 | 3169.81 | 1.94 | 0.00 | 0.00 |
| 14:15 | 2.7 | 0.52 | 0.20 | N/A | | 0.3191 | 0.3250 | 292.47 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 286.51 | 1663.86 | 34.66 | 3421.66 | 2.09 | 0.00 | 0.00 |
| 14:30 | 2.6 | 0.50 | 0.19 | N/A | | 0.3030 | 0.3086 | 277.71 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 271.75 | 1717.18 | 35.77 | 3657.64 | 2.24 | 0.00 | 0.00 |
| 14:45 | 2.6 | 0.50 | 0.19 | N/A | | 0.3060 | 0.3116 | 280.43 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 274.47 | 1767.13 | 36.82 | 3895.29 | 2.38 | 0.00 | 0.00 |
| **15:00** | 2.5 | 0.48 | 0.19 | N/A | | 0.2898 | 0.2951 | 265.59 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 259.63 | 1817.44 | 37.86 | 4117.06 | 2.52 | 0.00 | 0.00 |
| 15:15 | 2.4 | 0.46 | 0.19 | N/A | | 0.2735 | 0.2786 | 250.70 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 244.74 | 1864.38 | 38.84 | 4322.96 | 2.64 | 0.00 | 0.00 |
| 15:30 | 2.3 | 0.44 | 0.18 | N/A | | 0.2572 | 0.2620 | 235.78 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 229.82 | 1907.97 | 39.75 | 4513.02 | 2.76 | 0.00 | 0.00 |
| 15:45 | 1.9 | 0.36 | 0.18 | N/A | | 0.1835 | 0.1869 | 168.24 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 162.27 | 1948.20 | 40.59 | 4634.71 | 2.83 | 0.00 | 0.00 |
| **16:00** | 1.9 | 0.36 | 0.18 | N/A | | 0.1863 | 0.1897 | 170.75 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 164.79 | 1973.96 | 41.12 | **4758.37** | **2.91** | 0.00 | 0.00 |
| 16:15 | 0.4 | 0.08 | 0.17 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 2000.14 | 41.67 | 4724.76 | 2.89 | 0.00 | 0.00 |
| 16:30 | 0.4 | 0.08 | 0.17 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1993.03 | 41.52 | 4691.30 | 2.87 | 0.00 | 0.00 |
| 16:45 | 0.3 | 0.06 | 0.17 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1985.94 | 41.37 | 4654.48 | 2.85 | 0.00 | 0.00 |
| **17:00** | 0.3 | 0.06 | 0.17 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1978.15 | 41.21 | 4617.82 | 2.82 | 0.00 | 0.00 |
| 17:15 | 0.5 | 0.10 | 0.16 | | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 11.56 | 1970.39 | 41.05 | 4588.34 | 2.80 | 0.00 | 0.00 |
| 17:30 | 0.5 | 0.10 | 0.16 | | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 11.56 | 1964.15 | 40.92 | 4558.98 | 2.79 | 0.00 | 0.00 |
| 17:45 | 0.5 | 0.10 | 0.16 | | 0.08 | 0.0191 | 0.0195 | 17.52 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 11.56 | 1957.93 | 40.79 | 4529.75 | 2.77 | 0.00 | 0.00 |
| **18:00** | 0.4 | 0.08 | 0.16 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1951.74 | 40.66 | 4497.15 | 2.75 | 0.00 | 0.00 |
| 18:15 | 0.4 | 0.08 | 0.15 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1944.84 | 40.52 | 4464.69 | 2.73 | 0.00 | 0.00 |
| 18:30 | 0.4 | 0.08 | 0.15 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1937.97 | 40.37 | 4432.38 | 2.71 | 0.00 | 0.00 |
| 18:45 | 0.3 | 0.06 | 0.15 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1931.13 | 40.23 | 4396.70 | 2.69 | 0.00 | 0.00 |
| **19:00** | 0.2 | 0.04 | 0.15 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1923.58 | 40.07 | 4357.67 | 2.66 | 0.00 | 0.00 |
| 19:15 | 0.3 | 0.06 | 0.15 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1915.32 | 39.90 | 4322.32 | 2.64 | 0.00 | 0.00 |
| 19:30 | 0.4 | 0.08 | 0.14 | | 0.06 | 0.0153 | 0.0156 | 14.02 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 8.06 | 1907.83 | 39.75 | 4290.63 | 2.62 | 0.00 | 0.00 |
| 19:45 | 0.3 | 0.06 | 0.14 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1901.13 | 39.61 | 4255.58 | 2.60 | 0.00 | 0.00 |
| **20:00** | 0.2 | 0.04 | 0.14 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1893.71 | 39.45 | 4217.18 | 2.58 | 0.00 | 0.00 |
| 20:15 | 0.3 | 0.06 | 0.14 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1885.58 | 39.28 | 4182.45 | 2.56 | 0.00 | 0.00 |
| 20:30 | 0.3 | 0.06 | 0.14 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1878.23 | 39.13 | 4147.87 | 2.54 | 0.00 | 0.00 |
| 20:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1870.91 | 38.98 | 4113.45 | 2.51 | 0.00 | 0.00 |
| **21:00** | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1863.62 | 38.83 | 4075.67 | 2.49 | 0.00 | 0.00 |
| 21:15 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1855.62 | 38.66 | 4041.57 | 2.47 | 0.00 | 0.00 |
| 21:30 | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1848.40 | 38.51 | 4004.11 | 2.45 | 0.00 | 0.00 |
| 21:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1840.47 | 38.34 | 3970.32 | 2.43 | 0.00 | 0.00 |
| **22:00** | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1833.32 | 38.19 | 3933.17 | 2.40 | 0.00 | 0.00 |
| 22:15 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0117 | 10.51 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 4.55 | 1825.46 | 38.03 | 3899.70 | 2.38 | 0.00 | 0.00 |
| 22:30 | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1818.37 | 37.88 | 3862.86 | 2.36 | 0.00 | 0.00 |
| 22:45 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1810.57 | 37.72 | 3826.19 | 2.34 | 0.00 | 0.00 |
| **23:00** | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1802.81 | 37.56 | 3789.68 | 2.32 | 0.00 | 0.00 |
| 23:15 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1795.08 | 37.40 | 3753.33 | 2.29 | 0.00 | 0.00 |
| 23:30 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1787.39 | 37.24 | 3717.14 | 2.27 | 0.00 | 0.00 |
| 23:45 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1779.73 | 37.08 | 3681.11 | 2.25 | 0.00 | 0.00 |
| **24:00** | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0078 | 7.01 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.05 | 1772.10 | 36.92 | 3645.24 | 2.23 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.12 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 5.96 | 355.32 | 19.53 | 0.00 | 1764.51 | 36.76 | 3608.48 | 2.21 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **6835.82** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**HYDROLOGY CALCULATIONS -**

**Using the RCFC&WCD Short Cut Unit Hydrograph Method**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Area Designations** | **Basin B** | | | | | |
| **Drainage Area (ac.)** | **1.0900** | | | | | |
| Unit time (minutes) | **5** | **5** | **5** | **15** | | |
| 100 Year Storm Duration (hrs) | 1 | 3 | 6 | 24 | | |
| Total Precipitation (Plates D-4.4,E-5.2, 5.4, 5.6)(in.) | **1.76** | **2.49** | **3.24** | **4.78** | Or data from NOAA interactive website | |
| Soils Group | A | | | | | |
| AMC index II Runoff Number (plate E-6.1) | 32 | | | | | |
| Plate E-6.2 Pervious Area Loss Rate (Fp)(in/hr) | 0.74 | (AMC II) | | | | |
| Percentage of Impervious Cover (Ai)(%) (plate E-6.3) | | **76.96** | (See impervious/pervious area calculations included in report) | | | |
| Weighted Average Loss Rate (F=Fp(1-.9Ai))(in./hr.) | 0.23 | (used for 1, 3, and 6 hour storm, the 24 hour storm uses variable maximum loss rate per plate E-1.1 (3 of 6)) | | | | |
| Low Loss Rate Percent (%) | 80 | | | | | |
| Retention Basin Percolation Rate (in/hr) | **1** | (also used for drywell percolation rate) | | | | |

**Percolation is taken incrementally.**

**Basin volume is calculated using the "truncated pyramid" formula, a more conservative estimate than "averaged end areas" sometimes used**

**(Drywell can be "zeroed out" by reducing numbers to less than .001, but should not entered as zeros or program chokes.)**

**Drywell storage includes 40% of the 1' wide rock bed surrounding the drywell: formula (upper)*PI()*(diam/2)^2+(lower)*PI()*((diam/2)^2+0.4*((diam/2+(grav+0.4166))^2-(diam/2+0.4166)^2))**

**The drywell wall thickness is assumed at 5" (0.4166) and the gravel bed width is variable "grav"**

**Drywell design factors** **Upper sec. (ft.)=** **5** **Lower sec. (ft.)=** **15** **Ring diam. (ft.) =** **4** **Drywell lower max. (cf)=** **298.45** **Upper max.(cf)=** **62.83**

**Gravel bed width around drwyell=** **1** **Drywell total(cf)=** **361.28**

**Ret. Basin design (area, depth)** **Top =** **2656.01** s.f. **Bot. =** **1164.93** **s.f.** **Max. Depth (d)=** **4** **Max. storage=** **7439.91** (d/3)*(bottom+top+(bottom*top)^0.50)

**Formulas** **vol=(h/3)*(bottom+top+(bottom*top)^0.50)** **area=bottom+(h/d)*(top-bottom)** **h=(vol*3)/(bottom+top+(bottom*top)^0.5)** **(values must be non-zero or error occurs)**

**Outside input from:** **N/A**

**1 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 3.7 | 0.7814 | 0.2274 | N/A | | 0.5540 | 0.6089 | 182.67 | 0.00 | 30.89 | 0.21 | 182.45 | 9.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 4.8 | 1.0138 | 0.2274 | N/A | | 0.7863 | 0.8642 | 259.27 | 0.00 | 186.93 | 1.30 | 361.28 | 20.00 | 79.14 | 1164.93 | 8.09 | 71.05 | 0.04 | 0.00 | 0.00 |
| 0:15 | 5.1 | 1.0771 | 0.2274 | N/A | | 0.8497 | 0.9339 | 280.16 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 278.17 | 1179.17 | 8.19 | 341.03 | 0.18 | 0.00 | 0.00 |
| 0:20 | 4.9 | 1.0349 | 0.2274 | N/A | | 0.8074 | 0.8874 | 266.23 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 264.24 | 1233.28 | 8.56 | 596.71 | 0.32 | 0.00 | 0.00 |
| 0:25 | 6.6 | 1.3939 | 0.2274 | N/A | | 1.1665 | 1.2821 | 384.62 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 382.63 | 1284.52 | 8.92 | 970.42 | 0.52 | 0.00 | 0.00 |
| 0:30 | 7.3 | 1.5418 | 0.2274 | N/A | | 1.3143 | 1.4445 | 433.36 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 431.37 | 1359.42 | 9.44 | 1392.35 | 0.75 | 0.00 | 0.00 |
| 0:35 | 8.4 | 1.7741 | 0.2274 | N/A | | 1.5466 | 1.6999 | 509.96 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 507.98 | 1443.98 | 10.03 | 1890.30 | 1.02 | 0.00 | 0.00 |
| 0:40 | 9 | 1.9008 | 0.2274 | N/A | | 1.6734 | 1.8392 | 551.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 549.76 | 1543.78 | 10.72 | 2429.34 | 1.31 | 0.00 | 0.00 |
| 0:45 | 12.3 | 2.5978 | 0.2274 | N/A | | 2.3703 | 2.6052 | 781.55 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 779.56 | 1651.81 | 11.47 | 3197.44 | 1.72 | 0.00 | 0.00 |
| 0:50 | 17.6 | 3.7171 | 0.2274 | N/A | | **3.4897** | **3.8354** | **1150.63** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 1148.65 | 1805.75 | 12.54 | 4333.54 | 2.33 | 0.00 | 0.00 |
| 0:55 | 16.1 | 3.4003 | 0.2274 | N/A | | 3.1729 | 3.4873 | 1046.18 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 1044.19 | 2033.44 | 14.12 | 5363.61 | 2.88 | 0.00 | 0.00 |
| **1:00** | 4.2 | 0.8870 | 0.2274 | N/A | | 0.6596 | 0.7249 | 217.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 215.50 | 2239.88 | 15.55 | **5563.55** | **2.99** | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2274 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2279.96 | 15.83 | 5547.72 | 2.98 | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2274 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2276.78 | 15.81 | 5531.91 | 2.97 | 0.00 | 0.00 |
| 1:15 | 0 | 0.0000 | 0.2274 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2273.61 | 15.79 | 5516.12 | 2.97 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **6063.85** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**3 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 1.3 | 0.39 | 0.23 | N/A | | 0.1610 | 0.1769 | 53.08 | 0.00 | 30.89 | 0.21 | 52.87 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 1.3 | 0.39 | 0.23 | N/A | | 0.1610 | 0.1769 | 53.08 | 0.00 | 76.11 | 0.53 | 105.42 | 5.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 1.1 | 0.33 | 0.23 | N/A | | 0.1012 | 0.1113 | 33.38 | 0.00 | 121.06 | 0.84 | 137.96 | 6.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:20 | 1.5 | 0.45 | 0.23 | N/A | | 0.2208 | 0.2426 | 72.79 | 0.00 | 148.89 | 1.03 | 209.72 | 10.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:25 | 1.5 | 0.45 | 0.23 | N/A | | 0.2208 | 0.2426 | 72.79 | 0.00 | 210.25 | 1.46 | 281.04 | 14.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 271.26 | 1.88 | 361.28 | 20.00 | 20.22 | 1164.93 | 8.09 | 12.14 | 0.01 | 0.00 | 0.00 |
| 0:35 | 1.5 | 0.45 | 0.23 | N/A | | 0.2208 | 0.2426 | 72.79 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 70.80 | 1167.36 | 8.11 | 74.83 | 0.04 | 0.00 | 0.00 |
| 0:40 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 1179.93 | 8.19 | 166.99 | 0.09 | 0.00 | 0.00 |
| 0:45 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 1198.40 | 8.32 | 259.03 | 0.14 | 0.00 | 0.00 |
| 0:50 | 1.5 | 0.45 | 0.23 | N/A | | 0.2208 | 0.2426 | 72.79 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 70.80 | 1216.84 | 8.45 | 321.38 | 0.17 | 0.00 | 0.00 |
| 0:55 | 1.6 | 0.48 | 0.23 | N/A | | 0.2506 | 0.2755 | 82.64 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 80.65 | 1229.34 | 8.54 | 393.49 | 0.21 | 0.00 | 0.00 |
| **1:00** | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 1243.79 | 8.64 | 485.21 | 0.26 | 0.00 | 0.00 |
| 1:05 | 2.2 | 0.66 | 0.23 | N/A | | 0.4299 | 0.4725 | 141.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 139.77 | 1262.17 | 8.77 | 616.22 | 0.33 | 0.00 | 0.00 |
| 1:10 | 2.2 | 0.66 | 0.23 | N/A | | 0.4299 | 0.4725 | 141.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 139.77 | 1288.43 | 8.95 | 747.03 | 0.40 | 0.00 | 0.00 |
| 1:15 | 2.2 | 0.66 | 0.23 | N/A | | 0.4299 | 0.4725 | 141.75 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 139.77 | 1314.65 | 9.13 | 877.67 | 0.47 | 0.00 | 0.00 |
| 1:20 | 2 | 0.60 | 0.23 | N/A | | 0.3702 | 0.4068 | 122.05 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 120.06 | 1340.83 | 9.31 | 988.42 | 0.53 | 0.00 | 0.00 |
| 1:25 | 2.6 | 0.78 | 0.23 | N/A | | 0.5494 | 0.6039 | 181.16 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 179.17 | 1363.03 | 9.47 | 1158.13 | 0.62 | 0.00 | 0.00 |
| 1:30 | 2.7 | 0.81 | 0.23 | N/A | | 0.5793 | 0.6367 | 191.01 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 189.03 | 1397.04 | 9.70 | 1337.46 | 0.72 | 0.00 | 0.00 |
| 1:35 | 2.4 | 0.72 | 0.23 | N/A | | 0.4897 | 0.5382 | 161.46 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 159.47 | 1432.98 | 9.95 | 1486.98 | 0.80 | 0.00 | 0.00 |
| 1:40 | 2.7 | 0.81 | 0.23 | N/A | | 0.5793 | 0.6367 | 191.01 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 189.03 | 1462.94 | 10.16 | 1665.84 | 0.90 | 0.00 | 0.00 |
| 1:45 | 3.3 | 0.99 | 0.23 | N/A | | 0.7586 | 0.8338 | 250.13 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 248.14 | 1498.79 | 10.41 | 1903.58 | 1.02 | 0.00 | 0.00 |
| 1:50 | 3.1 | 0.93 | 0.23 | N/A | | 0.6988 | 0.7681 | 230.42 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 228.44 | 1546.44 | 10.74 | 2121.27 | 1.14 | 0.00 | 0.00 |
| 1:55 | 2.9 | 0.87 | 0.23 | N/A | | 0.6391 | 0.7024 | 210.72 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 208.73 | 1590.07 | 11.04 | 2318.96 | 1.25 | 0.00 | 0.00 |
| **2:00** | 3 | 0.90 | 0.23 | N/A | | 0.6690 | 0.7352 | 220.57 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 218.58 | 1629.69 | 11.32 | 2526.23 | 1.36 | 0.00 | 0.00 |
| 2:05 | 3.1 | 0.93 | 0.23 | N/A | | 0.6988 | 0.7681 | 230.42 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 228.44 | 1671.23 | 11.61 | 2743.06 | 1.47 | 0.00 | 0.00 |
| 2:10 | 4.2 | 1.25 | 0.23 | N/A | | 1.0275 | 1.1293 | 338.80 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 336.81 | 1714.68 | 11.91 | 3067.96 | 1.65 | 0.00 | 0.00 |
| 2:15 | 5 | 1.49 | 0.23 | N/A | | 1.2666 | 1.3920 | 417.61 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 415.63 | 1779.80 | 12.36 | 3471.23 | 1.87 | 0.00 | 0.00 |
| 2:20 | 3.5 | 1.05 | 0.23 | N/A | | 0.8184 | 0.8994 | 269.83 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 267.84 | 1860.62 | 12.92 | 3726.15 | 2.00 | 0.00 | 0.00 |
| 2:25 | 6.8 | 2.03 | 0.23 | N/A | | 1.8044 | 1.9832 | 594.95 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 592.97 | 1911.71 | 13.28 | 4305.84 | 2.31 | 0.00 | 0.00 |
| 2:30 | 7.3 | 2.18 | 0.23 | N/A | | 1.9538 | 2.1474 | 644.21 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 642.23 | 2027.89 | 14.08 | 4933.99 | 2.65 | 0.00 | 0.00 |
| 2:35 | 8.2 | 2.45 | 0.23 | N/A | | **2.2227** | **2.4429** | **732.88** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 730.90 | 2153.78 | 14.96 | 5649.93 | 3.04 | 0.00 | 0.00 |
| 2:40 | 5.9 | 1.76 | 0.23 | N/A | | 1.5355 | 1.6876 | 506.28 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 504.30 | 2297.27 | 15.95 | 6138.27 | 3.30 | 0.00 | 0.00 |
| 2:45 | 2 | 0.60 | 0.23 | N/A | | 0.3702 | 0.4068 | 122.05 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 120.06 | 2395.14 | 16.63 | 6241.70 | 3.36 | 0.00 | 0.00 |
| 2:50 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 2415.87 | 16.78 | 6325.28 | 3.40 | 0.00 | 0.00 |
| 2:55 | 1.8 | 0.54 | 0.23 | N/A | | 0.3104 | 0.3411 | 102.34 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 100.36 | 2432.62 | 16.89 | **6408.74** | **3.45** | 0.00 | 0.00 |
| **3:00** | 0.6 | 0.18 | 0.23 | 0.14 | | 0.0359 | 0.0394 | 11.82 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 9.84 | 2449.35 | 17.01 | 6401.57 | 3.44 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2447.91 | 17.00 | 6384.57 | 3.43 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2444.50 | 16.98 | 6367.60 | 3.42 | 0.00 | 0.00 |
| 3:15 | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2441.10 | 16.95 | 6350.64 | 3.41 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 353.33 | 19.37 | 0.00 | 2437.70 | 16.93 | 6333.71 | 3.41 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 351.35 | 19.21 | 0.00 | 2434.31 | 16.90 | 6316.81 | 3.40 | 0.00 | 0.00 |
| 3:30 | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 349.36 | 19.05 | 0.00 | 2430.92 | 16.88 | 6299.93 | 3.39 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 347.37 | 18.89 | 0.00 | 2427.54 | 16.86 | 6283.07 | 3.38 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 345.38 | 18.73 | 0.00 | 2424.16 | 16.83 | 6266.24 | 3.37 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | | **7180.08** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**6 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 0.5 | 0.19 | 0.23 | 0.16 | 0.0389 | 0.0427 | 12.82 | 0.00 | 30.89 | 0.21 | 12.61 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 41.67 | 0.29 | 27.70 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 54.58 | 0.38 | 42.70 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:20 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 67.41 | 0.47 | 57.62 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:25 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 80.17 | 0.56 | 72.45 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 92.85 | 0.64 | 89.75 | 4.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:35 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 107.65 | 0.75 | 106.95 | 5.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:40 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 122.36 | 0.85 | 124.05 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 136.98 | 0.95 | 141.04 | 7.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:50 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 151.52 | 1.05 | 157.94 | 7.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:55 | 0.7 | 0.27 | 0.23 | 0.22 | 0.0544 | 0.0598 | 17.95 | 0.00 | 165.97 | 1.15 | 174.73 | 8.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 180.33 | 1.25 | 201.04 | 10.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:05 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 202.84 | 1.41 | 227.20 | 11.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:10 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 225.21 | 1.56 | 253.20 | 12.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 247.44 | 1.72 | 279.04 | 14.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:20 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 269.55 | 1.87 | 311.88 | 16.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:25 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 337.46 | 18.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 1.75 | 1164.93 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:35 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1164.93 | 8.09 | 17.49 | 0.01 | 0.00 | 0.00 |
| 1:40 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1168.43 | 8.11 | 34.95 | 0.02 | 0.00 | 0.00 |
| 1:45 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1171.93 | 8.14 | 52.39 | 0.03 | 0.00 | 0.00 |
| 1:50 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1175.43 | 8.16 | 69.80 | 0.04 | 0.00 | 0.00 |
| 1:55 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1178.92 | 8.19 | 87.19 | 0.05 | 0.00 | 0.00 |
| **2:00** | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1182.40 | 8.21 | 117.37 | 0.06 | 0.00 | 0.00 |
| 2:05 | 0.8 | 0.31 | 0.23 | N/A | 0.0836 | 0.0919 | 27.56 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 25.58 | 1188.45 | 8.25 | 134.69 | 0.07 | 0.00 | 0.00 |
| 2:10 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1191.92 | 8.28 | 164.81 | 0.09 | 0.00 | 0.00 |
| 2:15 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1197.96 | 8.32 | 194.89 | 0.10 | 0.00 | 0.00 |
| 2:20 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1203.99 | 8.36 | 224.92 | 0.12 | 0.00 | 0.00 |
| 2:25 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1210.01 | 8.40 | 254.92 | 0.14 | 0.00 | 0.00 |
| 2:30 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1216.02 | 8.44 | 284.87 | 0.15 | 0.00 | 0.00 |
| 2:35 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1222.02 | 8.49 | 314.78 | 0.17 | 0.00 | 0.00 |
| 2:40 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 1228.02 | 8.53 | 344.64 | 0.19 | 0.00 | 0.00 |
| 2:45 | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1234.00 | 8.57 | 387.29 | 0.21 | 0.00 | 0.00 |
| 2:50 | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1242.55 | 8.63 | 429.88 | 0.23 | 0.00 | 0.00 |
| 2:55 | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1251.08 | 8.69 | 472.40 | 0.25 | 0.00 | 0.00 |
| **3:00** | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1259.61 | 8.75 | 514.87 | 0.28 | 0.00 | 0.00 |
| 3:05 | 1 | 0.39 | 0.23 | N/A | 0.1614 | 0.1773 | 53.20 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 51.22 | 1268.12 | 8.81 | 557.28 | 0.30 | 0.00 | 0.00 |
| 3:10 | 1.1 | 0.43 | 0.23 | N/A | 0.2002 | 0.2201 | 66.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 64.03 | 1276.62 | 8.87 | 612.45 | 0.33 | 0.00 | 0.00 |
| 3:15 | 1.1 | 0.43 | 0.23 | N/A | 0.2002 | 0.2201 | 66.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 64.03 | 1287.67 | 8.94 | 667.54 | 0.36 | 0.00 | 0.00 |
| 3:20 | 1.1 | 0.43 | 0.23 | N/A | 0.2002 | 0.2201 | 66.02 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 64.03 | 1298.72 | 9.02 | 722.56 | 0.39 | 0.00 | 0.00 |
| 3:25 | 1.2 | 0.47 | 0.23 | N/A | 0.2391 | 0.2628 | 78.84 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 76.85 | 1309.74 | 9.10 | 790.32 | 0.42 | 0.00 | 0.00 |
| 3:30 | 1.3 | 0.51 | 0.23 | N/A | 0.2780 | 0.3055 | 91.66 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 89.67 | 1323.32 | 9.19 | 870.80 | 0.47 | 0.00 | 0.00 |
| 3:35 | 1.4 | 0.54 | 0.23 | N/A | 0.3169 | 0.3483 | 104.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 102.49 | 1339.45 | 9.30 | 963.99 | 0.52 | 0.00 | 0.00 |
| 3:40 | 1.4 | 0.54 | 0.23 | N/A | 0.3169 | 0.3483 | 104.48 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 102.49 | 1358.13 | 9.43 | 1057.06 | 0.57 | 0.00 | 0.00 |
| 3:45 | 1.5 | 0.58 | 0.23 | N/A | 0.3558 | 0.3910 | 117.30 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 115.31 | 1376.78 | 9.56 | 1162.81 | 0.63 | 0.00 | 0.00 |
| 3:50 | 1.5 | 0.58 | 0.23 | N/A | 0.3558 | 0.3910 | 117.30 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 115.31 | 1397.98 | 9.71 | 1268.41 | 0.68 | 0.00 | 0.00 |
| 3:55 | 1.6 | 0.62 | 0.23 | N/A | 0.3946 | 0.4337 | 130.12 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 128.13 | 1419.14 | 9.86 | 1386.69 | 0.75 | 0.00 | 0.00 |
| **4:00** | 1.6 | 0.62 | 0.23 | N/A | 0.3946 | 0.4337 | 130.12 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 128.13 | 1442.85 | 10.02 | 1504.81 | 0.81 | 0.00 | 0.00 |
| 4:05 | 1.7 | 0.66 | 0.23 | N/A | 0.4335 | 0.4765 | 142.94 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 140.95 | 1466.52 | 10.18 | 1635.58 | 0.88 | 0.00 | 0.00 |
| 4:10 | 1.8 | 0.70 | 0.23 | N/A | 0.4724 | 0.5192 | 155.76 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 153.77 | 1492.73 | 10.37 | 1778.98 | 0.96 | 0.00 | 0.00 |
| 4:15 | 1.9 | 0.74 | 0.23 | N/A | 0.5113 | 0.5619 | 168.58 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 166.59 | 1521.47 | 10.57 | 1935.01 | 1.04 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:20 | 2 | 0.78 | 0.23 | N/A | 0.5502 | 0.6047 | 181.40 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 179.41 | 1552.74 | 10.78 | 2103.64 | 1.13 | 0.00 | 0.00 |
| 4:25 | 2.1 | 0.82 | 0.23 | N/A | 0.5890 | 0.6474 | 194.22 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 192.23 | 1586.53 | 11.02 | 2284.85 | 1.23 | 0.00 | 0.00 |
| 4:30 | 2.1 | 0.82 | 0.23 | N/A | 0.5890 | 0.6474 | 194.22 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 192.23 | 1622.85 | 11.27 | 2465.82 | 1.33 | 0.00 | 0.00 |
| 4:35 | 2.2 | 0.86 | 0.23 | N/A | 0.6279 | 0.6901 | 207.04 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 205.05 | 1659.12 | 11.52 | 2659.35 | 1.43 | 0.00 | 0.00 |
| 4:40 | 2.3 | 0.89 | 0.23 | N/A | 0.6668 | 0.7329 | 219.86 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 217.87 | 1697.91 | 11.79 | 2865.43 | 1.54 | 0.00 | 0.00 |
| 4:45 | 2.4 | 0.93 | 0.23 | N/A | 0.7057 | 0.7756 | 232.68 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 230.69 | 1739.21 | 12.08 | 3084.04 | 1.66 | 0.00 | 0.00 |
| 4:50 | 2.4 | 0.93 | 0.23 | N/A | 0.7057 | 0.7756 | 232.68 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 230.69 | 1783.02 | 12.38 | 3302.35 | 1.78 | 0.00 | 0.00 |
| 4:55 | 2.5 | 0.97 | 0.23 | N/A | 0.7446 | 0.8183 | 245.50 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 243.51 | 1826.77 | 12.69 | 3533.17 | 1.90 | 0.00 | 0.00 |
| **5:00** | 2.6 | 1.01 | 0.23 | N/A | 0.7834 | 0.8611 | 258.32 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 256.33 | 1873.04 | 13.01 | 3776.50 | 2.03 | 0.00 | 0.00 |
| 5:05 | 3.1 | 1.21 | 0.23 | N/A | 0.9778 | 1.0747 | 322.42 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 320.43 | 1921.80 | 13.35 | 4083.58 | 2.20 | 0.00 | 0.00 |
| 5:10 | 3.6 | 1.40 | 0.23 | N/A | 1.1722 | 1.2884 | 386.51 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 384.53 | 1983.35 | 13.77 | 4454.33 | 2.39 | 0.00 | 0.00 |
| 5:15 | 3.9 | 1.52 | 0.23 | N/A | 1.2889 | 1.4166 | 424.97 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 422.99 | 2057.65 | 14.29 | 4863.03 | 2.61 | 0.00 | 0.00 |
| 5:20 | 4.2 | 1.63 | 0.23 | N/A | 1.4055 | 1.5448 | 463.43 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 461.45 | 2139.56 | 14.86 | 5309.62 | 2.85 | 0.00 | 0.00 |
| 5:25 | 4.7 | 1.83 | 0.23 | N/A | 1.5999 | 1.7584 | 527.53 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 525.54 | 2229.06 | 15.48 | 5819.68 | 3.13 | 0.00 | 0.00 |
| 5:30 | 5.6 | 2.18 | 0.23 | N/A | **1.9498** | **2.1430** | **642.91** | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 640.92 | 2331.29 | 16.19 | 6444.42 | 3.46 | 0.00 | 0.00 |
| 5:35 | 1.9 | 0.74 | 0.23 | N/A | 0.5113 | 0.5619 | 168.58 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 166.59 | 2456.50 | 17.06 | 6593.95 | 3.55 | 0.00 | 0.00 |
| 5:40 | 0.9 | 0.35 | 0.23 | N/A | 0.1225 | 0.1346 | 40.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 38.40 | 2486.46 | 17.27 | 6615.08 | 3.56 | 0.00 | 0.00 |
| 5:45 | 0.6 | 0.23 | 0.23 | 0.19 | 0.0467 | 0.0513 | 15.38 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 13.40 | 2490.70 | 17.30 | **6611.18** | **3.55** | 0.00 | 0.00 |
| 5:50 | 0.5 | 0.19 | 0.23 | 0.16 | 0.0389 | 0.0427 | 12.82 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 10.83 | 2489.92 | 17.29 | 6604.72 | 3.55 | 0.00 | 0.00 |
| 5:55 | 0.3 | 0.12 | 0.23 | 0.09 | 0.0233 | 0.0256 | 7.69 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 5.70 | 2488.62 | 17.28 | 6593.14 | 3.54 | 0.00 | 0.00 |
| **6:00** | 0.2 | 0.08 | 0.23 | 0.06 | 0.0156 | 0.0171 | 5.13 | 0.00 | 286.14 | 1.99 | 361.28 | 20.00 | 3.14 | 2486.30 | 17.27 | 6579.02 | 3.54 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 359.29 | 19.84 | 0.00 | 2483.47 | 17.25 | 6561.77 | 3.53 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 357.31 | 19.68 | 0.00 | 2480.02 | 17.22 | 6544.55 | 3.52 | 0.00 | 0.00 |
| 6:15 | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 355.32 | 19.53 | 0.00 | 2476.56 | 17.20 | 6527.35 | 3.51 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 353.33 | 19.37 | 0.00 | 2473.12 | 17.17 | 6510.18 | 3.50 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 351.35 | 19.21 | 0.00 | 2469.68 | 17.15 | 6493.03 | 3.49 | 0.00 | 0.00 |
| 6:30 | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 349.36 | 19.05 | 0.00 | 2466.24 | 17.13 | 6475.90 | 3.48 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 347.37 | 18.89 | 0.00 | 2462.81 | 17.10 | 6458.80 | 3.47 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 345.38 | 18.73 | 0.00 | 2459.38 | 17.08 | 6441.72 | 3.46 | 0.00 | 0.00 |
| 6:45 | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 343.40 | 18.58 | 0.00 | 2455.95 | 17.06 | 6424.66 | 3.45 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 341.41 | 18.42 | 0.00 | 2452.54 | 17.03 | 6407.63 | 3.45 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 339.42 | 18.26 | 0.00 | 2449.12 | 17.01 | 6390.62 | 3.44 | 0.00 | 0.00 |
| **7:00** | 0 | 0.00 | 0.23 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 1.99 | 337.44 | 18.10 | 0.00 | 2445.71 | 16.98 | 6373.64 | 3.43 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | **7652.75** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**24 Hour Storm in 15 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:15 | 0.2 | 0.04 | 0.40 | 0.03 | 0.0076 | 0.0084 | 7.57 | 0.00 | 30.89 | 0.64 | 6.92 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.3 | 0.06 | 0.39 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 36.81 | 0.77 | 17.50 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.3 | 0.06 | 0.39 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 45.86 | 0.96 | 27.89 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.4 | 0.08 | 0.39 | 0.06 | 0.0153 | 0.0168 | 15.13 | 0.00 | 54.75 | 1.14 | 41.88 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.3 | 0.06 | 0.38 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 66.71 | 1.39 | 51.84 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.3 | 0.06 | 0.38 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 75.23 | 1.57 | 61.62 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.3 | 0.06 | 0.37 | 0.05 | 0.0115 | 0.0126 | 11.35 | 0.00 | 83.60 | 1.74 | 71.23 | 3.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **2:00** | 0.4 | 0.08 | 0.37 | 0.06 | 0.0153 | 0.0168 | 15.13 | 0.00 | 91.81 | 1.91 | 84.45 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:15 | 0.4 | 0.08 | 0.36 | 0.06 | 0.0153 | 0.0168 | 15.13 | 0.00 | 103.12 | 2.15 | 97.43 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:30 | 0.4 | 0.08 | 0.36 | 0.06 | 0.0153 | 0.0168 | 15.13 | 0.00 | 114.22 | 2.38 | 110.18 | 5.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:45 | 0.5 | 0.10 | 0.35 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 125.12 | 2.61 | 126.49 | 6.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **3:00** | 0.5 | 0.10 | 0.35 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 139.07 | 2.90 | 142.50 | 7.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:15 | 0.5 | 0.10 | 0.35 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 152.77 | 3.18 | 158.23 | 7.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:30 | 0.5 | 0.10 | 0.34 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 166.22 | 3.46 | 173.68 | 8.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:45 | 0.5 | 0.10 | 0.34 | 0.08 | 0.0191 | 0.0210 | 18.91 | 0.00 | 179.44 | 3.74 | 188.86 | 9.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **4:00** | 0.6 | 0.11 | 0.33 | 0.09 | 0.0229 | 0.0252 | 22.70 | 0.00 | 192.41 | 4.01 | 207.54 | 10.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:15 | 0.6 | 0.11 | 0.33 | 0.09 | 0.0229 | 0.0252 | 22.70 | 0.00 | 208.40 | 4.34 | 225.90 | 11.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:30 | 0.7 | 0.13 | 0.32 | 0.11 | 0.0268 | 0.0294 | 26.48 | 0.00 | 224.09 | 4.67 | 247.71 | 12.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:45 | 0.7 | 0.13 | 0.32 | 0.11 | 0.0268 | 0.0294 | 26.48 | 0.00 | 242.75 | 5.06 | 269.13 | 13.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **5:00** | 0.8 | 0.15 | 0.32 | 0.12 | 0.0306 | 0.0336 | 30.26 | 0.00 | 261.07 | 5.44 | 293.95 | 14.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:15 | 0.6 | 0.11 | 0.31 | 0.09 | 0.0229 | 0.0252 | 22.70 | 0.00 | 282.30 | 5.88 | 312.42 | 16.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:30 | 0.7 | 0.13 | 0.31 | 0.11 | 0.0268 | 0.0294 | 26.48 | 0.00 | 286.14 | 5.96 | 332.94 | 17.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:45 | 0.8 | 0.15 | 0.30 | 0.12 | 0.0306 | 0.0336 | 30.26 | 0.00 | 286.14 | 5.96 | 357.24 | 19.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **6:00** | 0.8 | 0.15 | 0.30 | 0.12 | 0.0306 | 0.0336 | 30.26 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 20.26 | 1164.93 | 20.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:15 | 0.9 | 0.17 | 0.30 | 0.14 | 0.0344 | 0.0378 | 34.04 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 28.08 | 1164.93 | 24.27 | 3.81 | 0.00 | 0.00 | 0.00 |
| 6:30 | 0.9 | 0.17 | 0.29 | 0.14 | 0.0344 | 0.0378 | 34.04 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 28.08 | 1165.69 | 24.29 | 7.61 | 0.00 | 0.00 | 0.00 |
| 6:45 | 1 | 0.19 | 0.29 | 0.15 | 0.0382 | 0.0420 | 37.83 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 31.86 | 1166.46 | 24.30 | 15.17 | 0.01 | 0.00 | 0.00 |
| **7:00** | 1 | 0.19 | 0.28 | 0.15 | 0.0382 | 0.0420 | 37.83 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 31.86 | 1167.97 | 24.33 | 22.71 | 0.01 | 0.00 | 0.00 |
| 7:15 | 1 | 0.19 | 0.28 | 0.15 | 0.0382 | 0.0420 | 37.83 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 31.86 | 1169.48 | 24.36 | 30.21 | 0.02 | 0.00 | 0.00 |
| 7:30 | 1.1 | 0.21 | 0.28 | 0.17 | 0.0421 | 0.0462 | 41.61 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 35.65 | 1170.98 | 24.40 | 41.46 | 0.02 | 0.00 | 0.00 |
| 7:45 | 1.2 | 0.23 | 0.27 | 0.18 | 0.0459 | 0.0504 | 45.39 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 39.43 | 1173.24 | 24.44 | 56.45 | 0.03 | 0.00 | 0.00 |
| **8:00** | 1.3 | 0.25 | 0.27 | 0.20 | 0.0497 | 0.0546 | 49.17 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 43.21 | 1176.24 | 24.51 | 75.15 | 0.04 | 0.00 | 0.00 |
| 8:15 | 1.5 | 0.29 | 0.26 | 0.23 | 0.0574 | 0.0630 | 56.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.78 | 1179.99 | 24.58 | 101.35 | 0.05 | 0.00 | 0.00 |
| 8:30 | 1.5 | 0.29 | 0.26 | 0.23 | 0.0574 | 0.0630 | 56.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.78 | 1185.24 | 24.69 | 127.43 | 0.07 | 0.00 | 0.00 |
| 8:45 | 1.6 | 0.31 | 0.26 | 0.24 | 0.0612 | 0.0672 | 60.52 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 54.56 | 1190.47 | 24.80 | 157.19 | 0.08 | 0.00 | 0.00 |
| **9:00** | 1.7 | 0.33 | 0.25 | N/A | 0.0712 | 0.0783 | 70.46 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 64.50 | 1196.43 | 24.93 | 196.76 | 0.11 | 0.00 | 0.00 |
| 9:15 | 1.9 | 0.36 | 0.25 | N/A | 0.1131 | 0.1243 | 111.85 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 105.89 | 1204.36 | 25.09 | 277.56 | 0.15 | 0.00 | 0.00 |
| 9:30 | 2 | 0.38 | 0.25 | N/A | 0.1358 | 0.1492 | 134.29 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 128.33 | 1220.56 | 25.43 | 380.46 | 0.20 | 0.00 | 0.00 |
| 9:45 | 2.1 | 0.40 | 0.24 | N/A | 0.1584 | 0.1741 | 156.70 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 150.74 | 1241.18 | 25.86 | 505.34 | 0.27 | 0.00 | 0.00 |
| **10:00** | 2.2 | 0.42 | 0.24 | N/A | 0.1810 | 0.1990 | 179.08 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 173.12 | 1266.21 | 26.38 | 652.08 | 0.35 | 0.00 | 0.00 |
| 10:15 | 1.5 | 0.29 | 0.24 | 0.23 | 0.0574 | 0.0630 | 56.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.78 | 1295.62 | 26.99 | 675.87 | 0.36 | 0.00 | 0.00 |
| 10:30 | 1.5 | 0.29 | 0.23 | 0.23 | 0.0574 | 0.0630 | 56.74 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 50.78 | 1300.38 | 27.09 | 699.55 | 0.38 | 0.00 | 0.00 |
| 10:45 | 2 | 0.38 | 0.23 | N/A | 0.1531 | 0.1683 | 151.44 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 145.48 | 1305.13 | 27.19 | 817.84 | 0.44 | 0.00 | 0.00 |
| **11:00** | 2 | 0.38 | 0.23 | N/A | 0.1565 | 0.1720 | 154.76 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 148.80 | 1328.84 | 27.68 | 938.96 | 0.50 | 0.00 | 0.00 |
| 11:15 | 1.9 | 0.36 | 0.22 | N/A | 0.1407 | 0.1546 | 139.14 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 133.18 | 1353.11 | 28.19 | 1043.95 | 0.56 | 0.00 | 0.00 |
| 11:30 | 1.9 | 0.36 | 0.22 | N/A | 0.1440 | 0.1582 | 142.40 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 136.44 | 1374.15 | 28.63 | 1151.76 | 0.62 | 0.00 | 0.00 |
| 11:45 | 1.7 | 0.33 | 0.22 | N/A | 0.1090 | 0.1198 | 107.79 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 101.83 | 1395.76 | 29.08 | 1224.51 | 0.66 | 0.00 | 0.00 |
| **12:00** | 1.8 | 0.34 | 0.21 | N/A | 0.1313 | 0.1443 | 129.89 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 123.93 | 1410.34 | 29.38 | 1319.06 | 0.71 | 0.00 | 0.00 |
| 12:15 | 2.5 | 0.48 | 0.21 | N/A | 0.2683 | 0.2949 | 265.43 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 259.47 | 1429.29 | 29.78 | 1548.75 | 0.83 | 0.00 | 0.00 |
| 12:30 | 2.6 | 0.50 | 0.21 | N/A | 0.2906 | 0.3194 | 287.45 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 281.49 | 1475.32 | 30.74 | 1799.50 | 0.97 | 0.00 | 0.00 |
| 12:45 | 2.8 | 0.54 | 0.20 | N/A | 0.3319 | 0.3648 | 328.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 322.39 | 1525.58 | 31.78 | 2090.11 | 1.12 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **13:00** | 2.9 | 0.55 | 0.20 | N/A | | 0.3541 | 0.3892 | 350.30 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 344.34 | 1583.82 | 33.00 | 2401.46 | 1.29 | 0.00 | 0.00 |
| 13:15 | 3.4 | 0.65 | 0.20 | N/A | | 0.4528 | 0.4976 | 447.87 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 441.91 | 1646.22 | 34.30 | 2809.07 | 1.51 | 0.00 | 0.00 |
| 13:30 | 3.4 | 0.65 | 0.19 | N/A | | **0.4558** | **0.5009** | **450.83** | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 444.87 | 1727.91 | 36.00 | 3217.94 | 1.73 | 0.00 | 0.00 |
| 13:45 | 2.3 | 0.44 | 0.19 | N/A | | 0.2484 | 0.2730 | 245.71 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 239.75 | 1809.86 | 37.71 | 3419.98 | 1.84 | 0.00 | 0.00 |
| **14:00** | 2.3 | 0.44 | 0.19 | N/A | | 0.2513 | 0.2762 | 248.59 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 242.63 | 1850.35 | 38.55 | 3624.07 | 1.95 | 0.00 | 0.00 |
| 14:15 | 2.7 | 0.52 | 0.19 | N/A | | 0.3307 | 0.3634 | 327.09 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 321.13 | 1891.25 | 39.40 | 3905.79 | 2.10 | 0.00 | 0.00 |
| 14:30 | 2.6 | 0.50 | 0.18 | N/A | | 0.3144 | 0.3455 | 310.98 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 305.02 | 1947.71 | 40.58 | 4170.24 | 2.24 | 0.00 | 0.00 |
| 14:45 | 2.6 | 0.50 | 0.18 | N/A | | 0.3172 | 0.3486 | 313.75 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 307.78 | 2000.71 | 41.68 | 4436.34 | 2.39 | 0.00 | 0.00 |
| **15:00** | 2.5 | 0.48 | 0.18 | N/A | | 0.3008 | 0.3306 | 297.56 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 291.59 | 2054.04 | 42.79 | 4685.14 | 2.52 | 0.00 | 0.00 |
| 15:15 | 2.4 | 0.46 | 0.17 | N/A | | 0.2844 | 0.3126 | 281.33 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 275.36 | 2103.91 | 43.83 | 4916.67 | 2.64 | 0.00 | 0.00 |
| 15:30 | 2.3 | 0.44 | 0.17 | N/A | | 0.2680 | 0.2945 | 265.05 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 259.09 | 2150.31 | 44.80 | 5130.97 | 2.76 | 0.00 | 0.00 |
| 15:45 | 1.9 | 0.36 | 0.17 | N/A | | 0.1941 | 0.2133 | 192.00 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 186.04 | 2193.26 | 45.69 | 5271.31 | 2.83 | 0.00 | 0.00 |
| **16:00** | 1.9 | 0.36 | 0.17 | N/A | | 0.1967 | 0.2162 | 194.55 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 188.59 | 2221.39 | 46.28 | **5413.62** | **2.91** | 0.00 | 0.00 |
| 16:15 | 0.4 | 0.08 | 0.16 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2249.91 | 46.87 | 5375.92 | 2.89 | 0.00 | 0.00 |
| 16:30 | 0.4 | 0.08 | 0.16 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2242.35 | 46.72 | 5338.37 | 2.87 | 0.00 | 0.00 |
| 16:45 | 0.3 | 0.06 | 0.16 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2234.83 | 46.56 | 5297.20 | 2.85 | 0.00 | 0.00 |
| **17:00** | 0.3 | 0.06 | 0.16 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2226.58 | 46.39 | 5256.20 | 2.83 | 0.00 | 0.00 |
| 17:15 | 0.5 | 0.10 | 0.15 | 0.08 | | 0.0191 | 0.0210 | 18.91 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 12.95 | 2218.36 | 46.22 | 5222.94 | 2.81 | 0.00 | 0.00 |
| 17:30 | 0.5 | 0.10 | 0.15 | 0.08 | | 0.0191 | 0.0210 | 18.91 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 12.95 | 2211.69 | 46.08 | 5189.81 | 2.79 | 0.00 | 0.00 |
| 17:45 | 0.5 | 0.10 | 0.15 | 0.08 | | 0.0191 | 0.0210 | 18.91 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 12.95 | 2205.05 | 45.94 | 5156.82 | 2.77 | 0.00 | 0.00 |
| **18:00** | 0.4 | 0.08 | 0.15 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2198.44 | 45.80 | 5120.19 | 2.75 | 0.00 | 0.00 |
| 18:15 | 0.4 | 0.08 | 0.15 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2191.10 | 45.65 | 5083.71 | 2.73 | 0.00 | 0.00 |
| 18:30 | 0.4 | 0.08 | 0.14 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2183.79 | 45.50 | 5047.39 | 2.71 | 0.00 | 0.00 |
| 18:45 | 0.3 | 0.06 | 0.14 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2176.51 | 45.34 | 5007.43 | 2.69 | 0.00 | 0.00 |
| **19:00** | 0.2 | 0.04 | 0.14 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2168.50 | 45.18 | 4963.86 | 2.67 | 0.00 | 0.00 |
| 19:15 | 0.3 | 0.06 | 0.14 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2159.77 | 45.00 | 4924.25 | 2.65 | 0.00 | 0.00 |
| 19:30 | 0.4 | 0.08 | 0.14 | 0.06 | | 0.0153 | 0.0168 | 15.13 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 9.17 | 2151.83 | 44.83 | 4888.59 | 2.63 | 0.00 | 0.00 |
| 19:45 | 0.3 | 0.06 | 0.13 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2144.68 | 44.68 | 4849.29 | 2.61 | 0.00 | 0.00 |
| **20:00** | 0.2 | 0.04 | 0.13 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2136.81 | 44.52 | 4806.38 | 2.58 | 0.00 | 0.00 |
| 20:15 | 0.3 | 0.06 | 0.13 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2128.21 | 44.34 | 4767.43 | 2.56 | 0.00 | 0.00 |
| 20:30 | 0.3 | 0.06 | 0.13 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2120.40 | 44.18 | 4728.64 | 2.54 | 0.00 | 0.00 |
| 20:45 | 0.3 | 0.06 | 0.13 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2112.63 | 44.01 | 4690.01 | 2.52 | 0.00 | 0.00 |
| **21:00** | 0.2 | 0.04 | 0.13 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2104.89 | 43.85 | 4647.77 | 2.50 | 0.00 | 0.00 |
| 21:15 | 0.3 | 0.06 | 0.12 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2096.42 | 43.68 | 4609.48 | 2.48 | 0.00 | 0.00 |
| 21:30 | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2088.74 | 43.52 | 4567.56 | 2.46 | 0.00 | 0.00 |
| 21:45 | 0.3 | 0.06 | 0.12 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2080.34 | 43.34 | 4529.61 | 2.44 | 0.00 | 0.00 |
| **22:00** | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2072.74 | 43.18 | 4488.03 | 2.41 | 0.00 | 0.00 |
| 22:15 | 0.3 | 0.06 | 0.12 | 0.05 | | 0.0115 | 0.0126 | 11.35 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 5.39 | 2064.40 | 43.01 | 4450.41 | 2.39 | 0.00 | 0.00 |
| 22:30 | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2056.86 | 42.85 | 4409.16 | 2.37 | 0.00 | 0.00 |
| 22:45 | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2048.60 | 42.68 | 4368.09 | 2.35 | 0.00 | 0.00 |
| **23:00** | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2040.37 | 42.51 | 4327.18 | 2.33 | 0.00 | 0.00 |
| 23:15 | 0.2 | 0.04 | 0.12 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2032.17 | 42.34 | 4286.45 | 2.30 | 0.00 | 0.00 |
| 23:30 | 0.2 | 0.04 | 0.11 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2024.00 | 42.17 | 4245.89 | 2.28 | 0.00 | 0.00 |
| 23:45 | 0.2 | 0.04 | 0.11 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2015.88 | 42.00 | 4205.49 | 2.26 | 0.00 | 0.00 |
| **24:00** | 0.2 | 0.04 | 0.11 | 0.03 | | 0.0076 | 0.0084 | 7.57 | 0.00 | 286.14 | 5.96 | 361.28 | 20.00 | 1.60 | 2007.78 | 41.83 | 4165.27 | 2.24 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.11 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 286.14 | 5.96 | 355.32 | 19.53 | 0.00 | 1999.72 | 41.66 | 4123.61 | 2.22 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | | **7710.69** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**HYDROLOGY CALCULATIONS -**

**Using the RCFC&WCD Short Cut Unit Hydrograph Method**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Area Designations** | **Basin C** | | | | | |
| **Drainage Area (ac.)** | **1.7500** | | | | | |
| Unit time (minutes) | **5** | **5** | **5** | **15** | | |
| 100 Year Storm Duration (hrs) | 1 | 3 | 6 | 24 | | |
| Total Precipitation (Plates D-4.4,E-5.2, 5.4, 5.6)(in.) | **1.76** | **2.49** | **3.24** | **4.78** | Or data from NOAA interactive website | |
| Soils Group | A | | | | | |
| AMC index II Runoff Number (plate E-6.1) | 32 | | | | | |
| Plate E-6.2 Pervious Area Loss Rate (Fp)(in/hr) | 0.74 | (AMC II) | | | | |
| Percentage of Impervious Cover (Ai)(%) (plate E-6.3) | | **83.11** | (See impervious/pervious area calculations included in report) | | | |
| Weighted Average Loss Rate (F=Fp(1-.9Ai))(in./hr.) | 0.19 | (used for 1, 3, and 6 hour storm, the 24 hour storm uses variable maximum loss rate per plate E-1.1 (3 of 6)) | | | | |
| Low Loss Rate Percent (%) | 80 | | | | | |
| Retention Basin Percolation Rate (in/hr) | **1** | (also used for drywell percolation rate) | | | | |

**Percolation is taken incrementally.**

**Basin volume is calculated using the "truncated pyramid" formula, a more conservative estimate than "averaged end areas" sometimes used**

**(Drywell can be "zeroed out" by reducing numbers to less than .001, but should not entered as zeros or program chokes.)**

**Drywell storage includes 40% of the 1' wide rock bed surrounding the drywell: formula (upper)*PI()*(diam/2)^2+(lower)*PI()*((diam/2)^2+0.4*((diam/2+(grav+0.4166))^2-(diam/2+0.4166)^2))**

**The drywell wall thickness is assumed at 5" (0.4166) and the gravel bed width is variable "grav"**

**Drywell design factors** **Upper sec. (ft.)=** **0.001** **Lower sec. (ft.)=** **0.001** **Ring diam. (ft.) =** **0.001** **Drywell lower max. (cf)=** **0.00** **Upper max.(cf)=** **0.00**

**Gravel bed width around drwyell=** **1** **Drywell total(cf)=** **0.00**

**Ret. Basin design (area, depth)** **Top =** **3713.79** s.f. **Bot. =** **1651.99** **s.f.** **Max. Depth (d)=** **5** **Max. storage=** **13071.17** (d/3)*(bottom+top+(bottom*top)^0.50)

**Formulas** **vol=(h/3)*(bottom+top+(bottom*top)^0.50)** **area=bottom+(h/d)*(top-bottom)** **h=(vol*3)/(bottom+top+(bottom*top)^0.5)** **(values must be non-zero or error occurs)**

**Outside input from:** **N/A**

**1 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 3.7 | 0.7814 | 0.1865 | N/A | 0.5950 | 1.0498 | 314.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 314.95 | 1651.99 | 11.47 | 303.48 | 0.12 | 0.00 | 0.00 |
| 0:10 | 4.8 | 1.0138 | 0.1865 | N/A | 0.8273 | 1.4598 | 437.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 437.94 | 1699.86 | 11.80 | 729.61 | 0.28 | 0.00 | 0.00 |
| 0:15 | 5.1 | 1.0771 | 0.1865 | N/A | 0.8906 | 1.5716 | 471.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 471.48 | 1767.08 | 12.27 | 1188.82 | 0.45 | 0.00 | 0.00 |
| 0:20 | 4.9 | 1.0349 | 0.1865 | N/A | 0.8484 | 1.4971 | 449.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 449.12 | 1839.51 | 12.77 | 1625.16 | 0.62 | 0.00 | 0.00 |
| 0:25 | 6.6 | 1.3939 | 0.1865 | N/A | 1.2074 | 2.1306 | 639.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 639.18 | 1908.34 | 13.25 | 2251.09 | 0.86 | 0.00 | 0.00 |
| 0:30 | 7.3 | 1.5418 | 0.1865 | N/A | 1.3553 | 2.3915 | 717.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 717.45 | 2007.07 | 13.94 | 2954.60 | 1.13 | 0.00 | 0.00 |
| 0:35 | 8.4 | 1.7741 | 0.1865 | N/A | 1.5876 | 2.8014 | 840.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 840.43 | 2118.04 | 14.71 | 3780.33 | 1.45 | 0.00 | 0.00 |
| 0:40 | 9 | 1.9008 | 0.1865 | N/A | 1.7143 | 3.0250 | 907.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 907.51 | 2248.29 | 15.61 | 4672.23 | 1.79 | 0.00 | 0.00 |
| 0:45 | 12.3 | 2.5978 | 0.1865 | N/A | 2.4113 | 4.2549 | 1276.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1276.47 | 2388.97 | 16.59 | 5932.11 | 2.27 | 0.00 | 0.00 |
| 0:50 | 17.6 | 3.7171 | 0.1865 | N/A | **3.5306** | **6.2301** | **1869.03** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1869.03 | 2587.70 | 17.97 | 7783.16 | 2.98 | 0.00 | 0.00 |
| 0:55 | 16.1 | 3.4003 | 0.1865 | N/A | 3.2138 | 5.6711 | 1701.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1701.32 | 2879.68 | 20.00 | 9464.49 | 3.62 | 0.00 | 0.00 |
| **1:00** | 4.2 | 0.8870 | 0.1865 | N/A | 0.7006 | 1.2362 | 370.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 370.86 | 3144.88 | 21.84 | **9813.50** | **3.75** | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.1865 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3199.94 | 22.22 | 9791.28 | 3.75 | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.1865 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3196.43 | 22.20 | 9769.09 | 3.74 | 0.00 | 0.00 |
| 1:15 | 0 | 0.0000 | 0.1865 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3192.93 | 22.17 | 9746.91 | 3.73 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | **9995.74** | | | | | | | | | | | **0.00** | |

**Total Overflow (cf)**

**3 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 1.3 | 0.39 | 0.19 | N/A | | 0.2020 | 0.3564 | 106.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 106.91 | 1651.99 | 11.47 | 95.43 | 0.04 | 0.00 | 0.00 |
| 0:10 | 1.3 | 0.39 | 0.19 | N/A | | 0.2020 | 0.3564 | 106.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 106.91 | 1667.04 | 11.58 | 190.77 | 0.07 | 0.00 | 0.00 |
| 0:15 | 1.1 | 0.33 | 0.19 | N/A | | 0.1422 | 0.2509 | 75.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.27 | 1682.08 | 11.68 | 254.36 | 0.10 | 0.00 | 0.00 |
| 0:20 | 1.5 | 0.45 | 0.19 | N/A | | 0.2617 | 0.4618 | 138.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 138.54 | 1692.11 | 11.75 | 381.15 | 0.15 | 0.00 | 0.00 |
| 0:25 | 1.5 | 0.45 | 0.19 | N/A | | 0.2617 | 0.4618 | 138.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 138.54 | 1712.11 | 11.89 | 507.81 | 0.19 | 0.00 | 0.00 |
| 0:30 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 1732.09 | 12.03 | 681.77 | 0.26 | 0.00 | 0.00 |
| 0:35 | 1.5 | 0.45 | 0.19 | N/A | | 0.2617 | 0.4618 | 138.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 138.54 | 1759.53 | 12.22 | 808.10 | 0.31 | 0.00 | 0.00 |
| 0:40 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 1779.46 | 12.36 | 981.74 | 0.38 | 0.00 | 0.00 |
| 0:45 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 1806.85 | 12.55 | 1155.19 | 0.44 | 0.00 | 0.00 |
| 0:50 | 1.5 | 0.45 | 0.19 | N/A | | 0.2617 | 0.4618 | 138.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 138.54 | 1834.21 | 12.74 | 1281.00 | 0.49 | 0.00 | 0.00 |
| 0:55 | 1.6 | 0.48 | 0.19 | N/A | | 0.2916 | 0.5145 | 154.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 154.36 | 1854.05 | 12.88 | 1422.48 | 0.54 | 0.00 | 0.00 |
| **1:00** | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 1876.37 | 13.03 | 1595.45 | 0.61 | 0.00 | 0.00 |
| 1:05 | 2.2 | 0.66 | 0.19 | N/A | | 0.4709 | 0.8309 | 249.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 249.27 | 1903.65 | 13.22 | 1831.50 | 0.70 | 0.00 | 0.00 |
| 1:10 | 2.2 | 0.66 | 0.19 | N/A | | 0.4709 | 0.8309 | 249.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 249.27 | 1940.88 | 13.48 | 2067.29 | 0.79 | 0.00 | 0.00 |
| 1:15 | 2.2 | 0.66 | 0.19 | N/A | | 0.4709 | 0.8309 | 249.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 249.27 | 1978.08 | 13.74 | 2302.82 | 0.88 | 0.00 | 0.00 |
| 1:20 | 2 | 0.60 | 0.19 | N/A | | 0.4111 | 0.7254 | 217.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 217.63 | 2015.23 | 13.99 | 2506.46 | 0.96 | 0.00 | 0.00 |
| 1:25 | 2.6 | 0.78 | 0.19 | N/A | | 0.5904 | 1.0418 | 312.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 312.54 | 2047.35 | 14.22 | 2804.78 | 1.07 | 0.00 | 0.00 |
| 1:30 | 2.7 | 0.81 | 0.19 | N/A | | 0.6203 | 1.0945 | 328.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 328.36 | 2094.41 | 14.54 | 3118.59 | 1.19 | 0.00 | 0.00 |
| 1:35 | 2.4 | 0.72 | 0.19 | N/A | | 0.5306 | 0.9363 | 280.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 280.90 | 2143.91 | 14.89 | 3384.61 | 1.29 | 0.00 | 0.00 |
| 1:40 | 2.7 | 0.81 | 0.19 | N/A | | 0.6203 | 1.0945 | 328.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 328.36 | 2185.87 | 15.18 | 3697.78 | 1.41 | 0.00 | 0.00 |
| 1:45 | 3.3 | 0.99 | 0.19 | N/A | | 0.7996 | 1.4109 | 423.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 423.26 | 2235.27 | 15.52 | 4105.52 | 1.57 | 0.00 | 0.00 |
| 1:50 | 3.1 | 0.93 | 0.19 | N/A | | 0.7398 | 1.3054 | 391.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 391.63 | 2299.58 | 15.97 | 4481.18 | 1.71 | 0.00 | 0.00 |
| 1:55 | 2.9 | 0.87 | 0.19 | N/A | | 0.6800 | 1.2000 | 359.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 359.99 | 2358.84 | 16.38 | 4824.79 | 1.85 | 0.00 | 0.00 |
| **2:00** | 3 | 0.90 | 0.19 | N/A | | 0.7099 | 1.2527 | 375.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 375.81 | 2413.04 | 16.76 | 5183.85 | 1.98 | 0.00 | 0.00 |
| 2:05 | 3.1 | 0.93 | 0.19 | N/A | | 0.7398 | 1.3054 | 391.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 391.63 | 2469.67 | 17.15 | 5558.32 | 2.13 | 0.00 | 0.00 |
| 2:10 | 4.2 | 1.25 | 0.19 | N/A | | 1.0685 | 1.8854 | 565.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 565.62 | 2528.74 | 17.56 | 6106.39 | 2.34 | 0.00 | 0.00 |
| 2:15 | 5 | 1.49 | 0.19 | N/A | | 1.3075 | 2.3072 | 692.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 692.16 | 2615.19 | 18.16 | 6780.39 | 2.59 | 0.00 | 0.00 |
| 2:20 | 3.5 | 1.05 | 0.19 | N/A | | 0.8593 | 1.5163 | 454.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 454.90 | 2721.50 | 18.90 | 7216.39 | 2.76 | 0.00 | 0.00 |
| 2:25 | 6.8 | 2.03 | 0.19 | N/A | | 1.8454 | 3.2563 | 976.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 976.88 | 2790.28 | 19.38 | 8173.90 | 3.13 | 0.00 | 0.00 |
| 2:30 | 7.3 | 2.18 | 0.19 | N/A | | 1.9948 | 3.5199 | 1055.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1055.97 | 2941.31 | 20.43 | 9209.44 | 3.52 | 0.00 | 0.00 |
| 2:35 | 8.2 | 2.45 | 0.19 | N/A | | **2.2637** | **3.9944** | **1198.33** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1198.33 | 3104.65 | 21.56 | 10386.21 | 3.97 | 0.00 | 0.00 |
| 2:40 | 5.9 | 1.76 | 0.19 | N/A | | 1.5764 | 2.7817 | 834.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 834.52 | 3290.27 | 22.85 | 11197.89 | 4.28 | 0.00 | 0.00 |
| 2:45 | 2 | 0.60 | 0.19 | N/A | | 0.4111 | 0.7254 | 217.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 217.63 | 3418.31 | 23.74 | 11391.78 | 4.36 | 0.00 | 0.00 |
| 2:50 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 3448.89 | 23.95 | 11553.83 | 4.42 | 0.00 | 0.00 |
| 2:55 | 1.8 | 0.54 | 0.19 | N/A | | 0.3514 | 0.6200 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 | 3474.45 | 24.13 | **11715.70** | **4.48** | 0.00 | 0.00 |
| **3:00** | 0.6 | 0.18 | 0.19 | 0.14 | | 0.0359 | 0.0633 | 18.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.98 | 3499.98 | 24.31 | 11710.37 | 4.48 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3499.14 | 24.30 | 11686.07 | 4.47 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3495.31 | 24.27 | 11661.80 | 4.46 | 0.00 | 0.00 |
| 3:15 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3491.48 | 24.25 | 11637.56 | 4.45 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3487.66 | 24.22 | 11613.34 | 4.44 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3483.84 | 24.19 | 11589.14 | 4.43 | 0.00 | 0.00 |
| 3:30 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3480.02 | 24.17 | 11564.98 | 4.42 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3476.21 | 24.14 | 11540.84 | 4.41 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3472.40 | 24.11 | 11516.72 | 4.41 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **12286.54** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**6 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 0.5 | 0.19 | 0.19 | | 0.16 | 0.0389 | 0.0686 | 20.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.58 | 1651.99 | 11.47 | 9.11 | 0.00 | 0.00 | 0.00 |
| 0:10 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 1653.43 | 11.48 | 22.40 | 0.01 | 0.00 | 0.00 |
| 0:15 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 1655.52 | 11.50 | 35.67 | 0.01 | 0.00 | 0.00 |
| 0:20 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 1657.62 | 11.51 | 48.93 | 0.02 | 0.00 | 0.00 |
| 0:25 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 1659.71 | 11.53 | 62.18 | 0.02 | 0.00 | 0.00 |
| 0:30 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1661.80 | 11.54 | 95.99 | 0.04 | 0.00 | 0.00 |
| 0:35 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1667.13 | 11.58 | 129.76 | 0.05 | 0.00 | 0.00 |
| 0:40 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1672.46 | 11.61 | 163.50 | 0.06 | 0.00 | 0.00 |
| 0:45 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1677.78 | 11.65 | 197.20 | 0.08 | 0.00 | 0.00 |
| 0:50 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1683.10 | 11.69 | 230.87 | 0.09 | 0.00 | 0.00 |
| 0:55 | 0.7 | 0.27 | 0.19 | N/A | | 0.0857 | 0.1512 | 45.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.35 | 1688.41 | 11.73 | 264.50 | 0.10 | 0.00 | 0.00 |
| **1:00** | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1693.71 | 11.76 | 318.67 | 0.12 | 0.00 | 0.00 |
| 1:05 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1702.26 | 11.82 | 372.78 | 0.14 | 0.00 | 0.00 |
| 1:10 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1710.79 | 11.88 | 426.84 | 0.16 | 0.00 | 0.00 |
| 1:15 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1719.32 | 11.94 | 480.83 | 0.18 | 0.00 | 0.00 |
| 1:20 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1727.83 | 12.00 | 534.77 | 0.20 | 0.00 | 0.00 |
| 1:25 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1736.34 | 12.06 | 588.65 | 0.23 | 0.00 | 0.00 |
| 1:30 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1744.84 | 12.12 | 642.46 | 0.25 | 0.00 | 0.00 |
| 1:35 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1753.33 | 12.18 | 696.22 | 0.27 | 0.00 | 0.00 |
| 1:40 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1761.81 | 12.23 | 749.92 | 0.29 | 0.00 | 0.00 |
| 1:45 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1770.28 | 12.29 | 803.57 | 0.31 | 0.00 | 0.00 |
| 1:50 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1778.74 | 12.35 | 857.15 | 0.33 | 0.00 | 0.00 |
| 1:55 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1787.19 | 12.41 | 910.67 | 0.35 | 0.00 | 0.00 |
| **2:00** | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1795.64 | 12.47 | 984.72 | 0.38 | 0.00 | 0.00 |
| 2:05 | 0.8 | 0.31 | 0.19 | N/A | | 0.1246 | 0.2198 | 65.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.94 | 1807.32 | 12.55 | 1038.10 | 0.40 | 0.00 | 0.00 |
| 2:10 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1815.74 | 12.61 | 1112.01 | 0.43 | 0.00 | 0.00 |
| 2:15 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1827.39 | 12.69 | 1185.84 | 0.45 | 0.00 | 0.00 |
| 2:20 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1839.04 | 12.77 | 1259.58 | 0.48 | 0.00 | 0.00 |
| 2:25 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1850.67 | 12.85 | 1333.25 | 0.51 | 0.00 | 0.00 |
| 2:30 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1862.29 | 12.93 | 1406.83 | 0.54 | 0.00 | 0.00 |
| 2:35 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1873.90 | 13.01 | 1480.34 | 0.57 | 0.00 | 0.00 |
| 2:40 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 1885.49 | 13.09 | 1553.76 | 0.59 | 0.00 | 0.00 |
| 2:45 | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1897.07 | 13.17 | 1647.69 | 0.63 | 0.00 | 0.00 |
| 2:50 | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1911.89 | 13.28 | 1741.51 | 0.67 | 0.00 | 0.00 |
| 2:55 | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1926.69 | 13.38 | 1835.23 | 0.70 | 0.00 | 0.00 |
| **3:00** | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1941.47 | 13.48 | 1928.85 | 0.74 | 0.00 | 0.00 |
| 3:05 | 1 | 0.39 | 0.19 | N/A | | 0.2023 | 0.3570 | 107.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.10 | 1956.24 | 13.58 | 2022.36 | 0.77 | 0.00 | 0.00 |
| 3:10 | 1.1 | 0.43 | 0.19 | N/A | | 0.2412 | 0.4256 | 127.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 127.68 | 1970.99 | 13.69 | 2136.35 | 0.82 | 0.00 | 0.00 |
| 3:15 | 1.1 | 0.43 | 0.19 | N/A | | 0.2412 | 0.4256 | 127.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 127.68 | 1988.97 | 13.81 | 2250.22 | 0.86 | 0.00 | 0.00 |
| 3:20 | 1.1 | 0.43 | 0.19 | N/A | | 0.2412 | 0.4256 | 127.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 127.68 | 2006.93 | 13.94 | 2363.97 | 0.90 | 0.00 | 0.00 |
| 3:25 | 1.2 | 0.47 | 0.19 | N/A | | 0.2801 | 0.4942 | 148.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 148.26 | 2024.87 | 14.06 | 2498.17 | 0.96 | 0.00 | 0.00 |
| 3:30 | 1.3 | 0.51 | 0.19 | N/A | | 0.3190 | 0.5628 | 168.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 168.85 | 2046.04 | 14.21 | 2652.81 | 1.01 | 0.00 | 0.00 |
| 3:35 | 1.4 | 0.54 | 0.19 | N/A | | 0.3578 | 0.6314 | 189.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 189.43 | 2070.43 | 14.38 | 2827.86 | 1.08 | 0.00 | 0.00 |
| 3:40 | 1.4 | 0.54 | 0.19 | N/A | | 0.3578 | 0.6314 | 189.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 189.43 | 2098.05 | 14.57 | 3002.71 | 1.15 | 0.00 | 0.00 |
| 3:45 | 1.5 | 0.58 | 0.19 | N/A | | 0.3967 | 0.7000 | 210.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 210.01 | 2125.63 | 14.76 | 3197.96 | 1.22 | 0.00 | 0.00 |
| 3:50 | 1.5 | 0.58 | 0.19 | N/A | | 0.3967 | 0.7000 | 210.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 210.01 | 2156.43 | 14.98 | 3393.00 | 1.30 | 0.00 | 0.00 |
| 3:55 | 1.6 | 0.62 | 0.19 | N/A | | 0.4356 | 0.7686 | 230.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 230.59 | 2187.19 | 15.19 | 3608.40 | 1.38 | 0.00 | 0.00 |
| **4:00** | 1.6 | 0.62 | 0.19 | N/A | | 0.4356 | 0.7686 | 230.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 230.59 | 2221.17 | 15.42 | 3823.57 | 1.46 | 0.00 | 0.00 |
| 4:05 | 1.7 | 0.66 | 0.19 | N/A | | 0.4745 | 0.8372 | 251.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 251.17 | 2255.11 | 15.66 | 4059.08 | 1.55 | 0.00 | 0.00 |
| 4:10 | 1.8 | 0.70 | 0.19 | N/A | | 0.5134 | 0.9059 | 271.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 271.76 | 2292.25 | 15.92 | 4314.92 | 1.65 | 0.00 | 0.00 |
| 4:15 | 1.9 | 0.74 | 0.19 | N/A | | 0.5522 | 0.9745 | 292.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 292.34 | 2332.61 | 16.20 | 4591.06 | 1.76 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:20 | 2 | 0.78 | 0.19 | N/A | | 0.5911 | 1.0431 | 312.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 312.92 | 2376.17 | 16.50 | 4887.48 | 1.87 | 0.00 | 0.00 |
| 4:25 | 2.1 | 0.82 | 0.19 | N/A | | 0.6300 | 1.1117 | 333.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 333.50 | 2422.92 | 16.83 | 5204.15 | 1.99 | 0.00 | 0.00 |
| 4:30 | 2.1 | 0.82 | 0.19 | N/A | | 0.6300 | 1.1117 | 333.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 333.50 | 2472.87 | 17.17 | 5520.48 | 2.11 | 0.00 | 0.00 |
| 4:35 | 2.2 | 0.86 | 0.19 | N/A | | 0.6689 | 1.1803 | 354.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 354.08 | 2522.77 | 17.52 | 5857.05 | 2.24 | 0.00 | 0.00 |
| 4:40 | 2.3 | 0.89 | 0.19 | N/A | | 0.7078 | 1.2489 | 374.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 374.67 | 2575.86 | 17.89 | 6213.83 | 2.38 | 0.00 | 0.00 |
| 4:45 | 2.4 | 0.93 | 0.19 | N/A | | 0.7466 | 1.3175 | 395.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 395.25 | 2632.14 | 18.28 | 6590.80 | 2.52 | 0.00 | 0.00 |
| 4:50 | 2.4 | 0.93 | 0.19 | N/A | | 0.7466 | 1.3175 | 395.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 395.25 | 2691.60 | 18.69 | 6967.35 | 2.67 | 0.00 | 0.00 |
| 4:55 | 2.5 | 0.97 | 0.19 | N/A | | 0.7855 | 1.3861 | 415.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 415.83 | 2751.00 | 19.10 | 7364.08 | 2.82 | 0.00 | 0.00 |
| **5:00** | 2.6 | 1.01 | 0.19 | N/A | | 0.8244 | 1.4547 | 436.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 436.41 | 2813.57 | 19.54 | 7780.95 | 2.98 | 0.00 | 0.00 |
| 5:05 | 3.1 | 1.21 | 0.19 | N/A | | 1.0188 | 1.7977 | 539.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 539.32 | 2879.33 | 20.00 | 8300.28 | 3.18 | 0.00 | 0.00 |
| 5:10 | 3.6 | 1.40 | 0.19 | N/A | | 1.2132 | 2.1408 | 642.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 642.23 | 2961.25 | 20.56 | 8921.95 | 3.41 | 0.00 | 0.00 |
| 5:15 | 3.9 | 1.52 | 0.19 | N/A | | 1.3298 | 2.3466 | 703.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 703.98 | 3059.31 | 21.25 | 9604.69 | 3.67 | 0.00 | 0.00 |
| 5:20 | 4.2 | 1.63 | 0.19 | N/A | | 1.4465 | 2.5524 | 765.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 765.73 | 3167.00 | 21.99 | 10348.42 | 3.96 | 0.00 | 0.00 |
| 5:25 | 4.7 | 1.83 | 0.19 | N/A | | 1.6409 | 2.8955 | 868.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 868.64 | 3284.31 | 22.81 | 11194.25 | 4.28 | 0.00 | 0.00 |
| 5:30 | 5.6 | 2.18 | 0.19 | N/A | | **1.9908** | **3.5129** | **1053.88** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1053.88 | 3417.73 | 23.73 | 12224.39 | 4.68 | 0.00 | 0.00 |
| 5:35 | 1.9 | 0.74 | 0.19 | N/A | | 0.5522 | 0.9745 | 292.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 292.34 | 3580.22 | 24.86 | 12491.87 | 4.78 | 0.00 | 0.00 |
| 5:40 | 0.9 | 0.35 | 0.19 | N/A | | 0.1634 | 0.2884 | 86.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.52 | 3622.41 | 25.16 | 12553.23 | 4.80 | 0.00 | 0.00 |
| 5:45 | 0.6 | 0.23 | 0.19 | N/A | | 0.0468 | 0.0826 | 24.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.77 | 3632.09 | 25.22 | **12552.77** | **4.80** | 0.00 | 0.00 |
| 5:50 | 0.5 | 0.19 | 0.19 | 0.16 | | 0.0389 | 0.0686 | 20.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.58 | 3632.02 | 25.22 | 12548.13 | 4.80 | 0.00 | 0.00 |
| 5:55 | 0.3 | 0.12 | 0.19 | 0.09 | | 0.0233 | 0.0412 | 12.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.35 | 3631.29 | 25.22 | 12535.27 | 4.80 | 0.00 | 0.00 |
| **6:00** | 0.2 | 0.08 | 0.19 | 0.06 | | 0.0156 | 0.0274 | 8.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.23 | 3629.26 | 25.20 | 12518.30 | 4.79 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3626.58 | 25.18 | 12493.11 | 4.78 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3622.61 | 25.16 | 12467.95 | 4.77 | 0.00 | 0.00 |
| 6:15 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3618.64 | 25.13 | 12442.83 | 4.76 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3614.68 | 25.10 | 12417.72 | 4.75 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3610.72 | 25.07 | 12392.65 | 4.74 | 0.00 | 0.00 |
| 6:30 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3606.76 | 25.05 | 12367.60 | 4.73 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3602.81 | 25.02 | 12342.58 | 4.72 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3598.87 | 24.99 | 12317.59 | 4.71 | 0.00 | 0.00 |
| 6:45 | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3594.92 | 24.96 | 12292.63 | 4.70 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3590.99 | 24.94 | 12267.69 | 4.69 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3587.05 | 24.91 | 12242.78 | 4.68 | 0.00 | 0.00 |
| **7:00** | 0 | 0.00 | 0.19 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3583.12 | 24.88 | 12217.90 | 4.67 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **13622.03** | | | | | | | | | **Total Overflow (cf)** | | **0.00** | |

**24 Hour Storm in 15 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:15 | 0.2 | 0.04 | 0.33 | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.14 | 1651.99 | 12.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.3 | 0.06 | 0.32 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.3 | 0.06 | 0.32 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.4 | 0.08 | 0.32 | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 1651.99 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.3 | 0.06 | 0.31 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.3 | 0.06 | 0.31 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.3 | 0.06 | 0.30 | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 1651.99 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| **2:00** | 0.4 | 0.08 | 0.30 | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 1651.99 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:15 | 0.4 | 0.08 | 0.30 | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 1651.99 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:30 | 0.4 | 0.08 | 0.29 | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 1651.99 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:45 | 0.5 | 0.10 | 0.29 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| **3:00** | 0.5 | 0.10 | 0.29 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:15 | 0.5 | 0.10 | 0.28 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:30 | 0.5 | 0.10 | 0.28 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:45 | 0.5 | 0.10 | 0.28 | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 1651.99 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| **4:00** | 0.6 | 0.11 | 0.27 | 0.09 | 0.0229 | 0.0405 | 36.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.44 | 1651.99 | 34.42 | 2.02 | 0.00 | 0.00 | 0.00 |
| 4:15 | 0.6 | 0.11 | 0.27 | 0.09 | 0.0229 | 0.0405 | 36.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.44 | 1652.31 | 34.42 | 4.04 | 0.00 | 0.00 | 0.00 |
| 4:30 | 0.7 | 0.13 | 0.27 | 0.11 | 0.0268 | 0.0472 | 42.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.51 | 1652.63 | 34.43 | 12.12 | 0.00 | 0.00 | 0.00 |
| 4:45 | 0.7 | 0.13 | 0.26 | 0.11 | 0.0268 | 0.0472 | 42.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.51 | 1653.90 | 34.46 | 20.17 | 0.01 | 0.00 | 0.00 |
| **5:00** | 0.8 | 0.15 | 0.26 | 0.12 | 0.0306 | 0.0540 | 48.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.58 | 1655.17 | 34.48 | 34.27 | 0.01 | 0.00 | 0.00 |
| 5:15 | 0.6 | 0.11 | 0.26 | 0.09 | 0.0229 | 0.0405 | 36.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.44 | 1657.40 | 34.53 | 36.18 | 0.01 | 0.00 | 0.00 |
| 5:30 | 0.7 | 0.13 | 0.25 | 0.11 | 0.0268 | 0.0472 | 42.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.51 | 1657.70 | 34.54 | 44.16 | 0.02 | 0.00 | 0.00 |
| 5:45 | 0.8 | 0.15 | 0.25 | 0.12 | 0.0306 | 0.0540 | 48.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.58 | 1658.96 | 34.56 | 58.18 | 0.02 | 0.00 | 0.00 |
| **6:00** | 0.8 | 0.15 | 0.25 | 0.12 | 0.0306 | 0.0540 | 48.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.58 | 1661.17 | 34.61 | 72.16 | 0.03 | 0.00 | 0.00 |
| 6:15 | 0.9 | 0.17 | 0.24 | 0.14 | 0.0344 | 0.0607 | 54.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.66 | 1663.37 | 34.65 | 92.16 | 0.04 | 0.00 | 0.00 |
| 6:30 | 0.9 | 0.17 | 0.24 | 0.14 | 0.0344 | 0.0607 | 54.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.66 | 1666.53 | 34.72 | 112.10 | 0.04 | 0.00 | 0.00 |
| 6:45 | 1 | 0.19 | 0.24 | 0.15 | 0.0382 | 0.0675 | 60.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60.73 | 1669.67 | 34.78 | 138.04 | 0.05 | 0.00 | 0.00 |
| **7:00** | 1 | 0.19 | 0.23 | 0.15 | 0.0382 | 0.0675 | 60.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60.73 | 1673.76 | 34.87 | 163.90 | 0.06 | 0.00 | 0.00 |
| 7:15 | 1 | 0.19 | 0.23 | 0.15 | 0.0382 | 0.0675 | 60.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60.73 | 1677.84 | 34.96 | 189.68 | 0.07 | 0.00 | 0.00 |
| 7:30 | 1.1 | 0.21 | 0.23 | 0.17 | 0.0421 | 0.0742 | 66.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.80 | 1681.91 | 35.04 | 221.44 | 0.08 | 0.00 | 0.00 |
| 7:45 | 1.2 | 0.23 | 0.22 | 0.18 | 0.0459 | 0.0810 | 72.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 72.88 | 1686.92 | 35.14 | 259.17 | 0.10 | 0.00 | 0.00 |
| **8:00** | 1.3 | 0.25 | 0.22 | 0.20 | 0.0497 | 0.0877 | 78.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 78.95 | 1692.87 | 35.27 | 302.85 | 0.12 | 0.00 | 0.00 |
| 8:15 | 1.5 | 0.29 | 0.22 | N/A | 0.0697 | 0.1229 | 110.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 110.65 | 1699.76 | 35.41 | 378.09 | 0.14 | 0.00 | 0.00 |
| 8:30 | 1.5 | 0.29 | 0.21 | N/A | 0.0727 | 0.1283 | 115.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 115.47 | 1711.63 | 35.66 | 457.90 | 0.18 | 0.00 | 0.00 |
| 8:45 | 1.6 | 0.31 | 0.21 | N/A | 0.0948 | 0.1673 | 150.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 150.61 | 1724.22 | 35.92 | 572.59 | 0.22 | 0.00 | 0.00 |
| **9:00** | 1.7 | 0.33 | 0.21 | N/A | 0.1169 | 0.2063 | 185.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 185.71 | 1742.31 | 36.30 | 722.00 | 0.28 | 0.00 | 0.00 |
| 9:15 | 1.9 | 0.36 | 0.21 | N/A | 0.1581 | 0.2790 | 251.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 251.13 | 1765.88 | 36.79 | 936.35 | 0.36 | 0.00 | 0.00 |
| 9:30 | 2 | 0.38 | 0.20 | N/A | 0.1802 | 0.3179 | 286.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 286.14 | 1799.69 | 37.49 | 1185.00 | 0.45 | 0.00 | 0.00 |
| 9:45 | 2.1 | 0.40 | 0.20 | N/A | 0.2022 | 0.3568 | 321.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 321.11 | 1838.91 | 38.31 | 1467.80 | 0.56 | 0.00 | 0.00 |
| **10:00** | 2.2 | 0.42 | 0.20 | N/A | 0.2242 | 0.3956 | 356.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 356.03 | 1883.51 | 39.24 | 1784.59 | 0.68 | 0.00 | 0.00 |
| 10:15 | 1.5 | 0.29 | 0.19 | N/A | 0.0932 | 0.1644 | 147.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 147.99 | 1933.48 | 40.28 | 1892.30 | 0.72 | 0.00 | 0.00 |
| 10:30 | 1.5 | 0.29 | 0.19 | N/A | 0.0960 | 0.1694 | 152.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 152.46 | 1950.48 | 40.63 | 2004.13 | 0.77 | 0.00 | 0.00 |
| 10:45 | 2 | 0.38 | 0.19 | N/A | 0.1944 | 0.3430 | 308.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 308.71 | 1968.11 | 41.00 | 2271.84 | 0.87 | 0.00 | 0.00 |
| **11:00** | 2 | 0.38 | 0.19 | N/A | 0.1971 | 0.3479 | 313.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 313.09 | 2010.34 | 41.88 | 2543.05 | 0.97 | 0.00 | 0.00 |
| 11:15 | 1.9 | 0.36 | 0.18 | N/A | 0.1808 | 0.3190 | 287.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 287.06 | 2053.12 | 42.77 | 2787.34 | 1.07 | 0.00 | 0.00 |
| 11:30 | 1.9 | 0.36 | 0.18 | N/A | 0.1835 | 0.3237 | 291.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 291.35 | 2091.66 | 43.58 | 3035.11 | 1.16 | 0.00 | 0.00 |
| 11:45 | 1.7 | 0.33 | 0.18 | N/A | 0.1479 | 0.2609 | 234.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 234.85 | 2130.74 | 44.39 | 3225.57 | 1.23 | 0.00 | 0.00 |
| **12:00** | 1.8 | 0.34 | 0.17 | N/A | 0.1696 | 0.2993 | 269.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 269.41 | 2160.78 | 45.02 | 3449.97 | 1.32 | 0.00 | 0.00 |
| 12:15 | 2.5 | 0.48 | 0.17 | N/A | 0.3061 | 0.5401 | 486.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 486.11 | 2196.18 | 45.75 | 3890.33 | 1.49 | 0.00 | 0.00 |
| 12:30 | 2.6 | 0.50 | 0.17 | N/A | 0.3278 | 0.5784 | 520.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 520.57 | 2265.64 | 47.20 | 4363.70 | 1.67 | 0.00 | 0.00 |
| 12:45 | 2.8 | 0.54 | 0.17 | N/A | 0.3686 | 0.6504 | 585.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585.35 | 2340.30 | 48.76 | 4900.29 | 1.87 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **13:00** | 2.9 | 0.55 | 0.16 | N/A | | 0.3902 | 0.6886 | 619.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 619.71 | 2424.94 | 50.52 | 5469.48 | 2.09 | 0.00 | 0.00 |
| 13:15 | 3.4 | 0.65 | 0.16 | N/A | | 0.4883 | 0.8616 | 775.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 775.48 | 2514.73 | 52.39 | 6192.58 | 2.37 | 0.00 | 0.00 |
| 13:30 | 3.4 | 0.65 | 0.16 | N/A | | **0.4908** | **0.8660** | **779.38** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 779.38 | 2628.78 | 54.77 | 6917.19 | 2.65 | 0.00 | 0.00 |
| 13:45 | 2.3 | 0.44 | 0.16 | N/A | | 0.2829 | 0.4991 | 449.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 449.22 | 2743.08 | 57.15 | 7309.26 | 2.80 | 0.00 | 0.00 |
| **14:00** | 2.3 | 0.44 | 0.15 | N/A | | 0.2852 | 0.5033 | 453.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 453.01 | 2804.93 | 58.44 | 7703.84 | 2.95 | 0.00 | 0.00 |
| 14:15 | 2.7 | 0.52 | 0.15 | N/A | | 0.3641 | 0.6425 | 578.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 578.22 | 2867.17 | 59.73 | 8222.32 | 3.15 | 0.00 | 0.00 |
| 14:30 | 2.6 | 0.50 | 0.15 | N/A | | 0.3473 | 0.6128 | 551.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 551.54 | 2948.95 | 61.44 | 8712.43 | 3.33 | 0.00 | 0.00 |
| 14:45 | 2.6 | 0.50 | 0.15 | N/A | | 0.3496 | 0.6169 | 555.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 555.18 | 3026.26 | 63.05 | 9204.56 | 3.52 | 0.00 | 0.00 |
| **15:00** | 2.5 | 0.48 | 0.15 | N/A | | 0.3327 | 0.5871 | 528.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 528.40 | 3103.88 | 64.66 | 9668.30 | 3.70 | 0.00 | 0.00 |
| 15:15 | 2.4 | 0.46 | 0.14 | N/A | | 0.3158 | 0.5573 | 501.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 501.57 | 3177.03 | 66.19 | 10103.68 | 3.86 | 0.00 | 0.00 |
| 15:30 | 2.3 | 0.44 | 0.14 | N/A | | 0.2989 | 0.5274 | 474.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 474.68 | 3245.71 | 67.62 | 10510.74 | 4.02 | 0.00 | 0.00 |
| 15:45 | 1.9 | 0.36 | 0.14 | N/A | | 0.2246 | 0.3963 | 356.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 356.64 | 3309.92 | 68.96 | 10798.42 | 4.13 | 0.00 | 0.00 |
| **16:00** | 1.9 | 0.36 | 0.14 | N/A | | 0.2267 | 0.4000 | 360.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 360.00 | 3355.29 | 69.90 | **11088.52** | **4.24** | 0.00 | 0.00 |
| 16:15 | 0.4 | 0.08 | 0.13 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3401.05 | 70.86 | 11041.96 | 4.22 | 0.00 | 0.00 |
| 16:30 | 0.4 | 0.08 | 0.13 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3393.71 | 70.70 | 10995.54 | 4.21 | 0.00 | 0.00 |
| 16:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3386.39 | 70.55 | 10943.21 | 4.19 | 0.00 | 0.00 |
| **17:00** | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3378.13 | 70.38 | 10891.06 | 4.17 | 0.00 | 0.00 |
| 17:15 | 0.5 | 0.10 | 0.13 | | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 3369.91 | 70.21 | 10851.21 | 4.15 | 0.00 | 0.00 |
| 17:30 | 0.5 | 0.10 | 0.12 | | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 3363.62 | 70.08 | 10811.50 | 4.14 | 0.00 | 0.00 |
| 17:45 | 0.5 | 0.10 | 0.12 | | 0.08 | 0.0191 | 0.0337 | 30.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.36 | 3357.36 | 69.94 | 10771.92 | 4.12 | 0.00 | 0.00 |
| **18:00** | 0.4 | 0.08 | 0.12 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3351.11 | 69.81 | 10726.40 | 4.10 | 0.00 | 0.00 |
| 18:15 | 0.4 | 0.08 | 0.12 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3343.93 | 69.67 | 10681.03 | 4.09 | 0.00 | 0.00 |
| 18:30 | 0.4 | 0.08 | 0.12 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3336.78 | 69.52 | 10635.80 | 4.07 | 0.00 | 0.00 |
| 18:45 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3329.64 | 69.37 | 10584.65 | 4.05 | 0.00 | 0.00 |
| **19:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3321.58 | 69.20 | 10527.60 | 4.03 | 0.00 | 0.00 |
| 19:15 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3312.58 | 69.01 | 10476.81 | 4.01 | 0.00 | 0.00 |
| 19:30 | 0.4 | 0.08 | 0.11 | | 0.06 | 0.0153 | 0.0270 | 24.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 | 3304.56 | 68.85 | 10432.25 | 3.99 | 0.00 | 0.00 |
| 19:45 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3297.54 | 68.70 | 10381.77 | 3.97 | 0.00 | 0.00 |
| **20:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3289.57 | 68.53 | 10325.39 | 3.95 | 0.00 | 0.00 |
| 20:15 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3280.68 | 68.35 | 10275.26 | 3.93 | 0.00 | 0.00 |
| 20:30 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3272.77 | 68.18 | 10225.30 | 3.91 | 0.00 | 0.00 |
| 20:45 | 0.3 | 0.06 | 0.10 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3264.89 | 68.02 | 10175.50 | 3.89 | 0.00 | 0.00 |
| **21:00** | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3257.04 | 67.85 | 10119.79 | 3.87 | 0.00 | 0.00 |
| 21:15 | 0.3 | 0.06 | 0.10 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3248.25 | 67.67 | 10070.33 | 3.85 | 0.00 | 0.00 |
| 21:30 | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3240.45 | 67.51 | 10014.97 | 3.83 | 0.00 | 0.00 |
| 21:45 | 0.3 | 0.06 | 0.10 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3231.72 | 67.33 | 9965.86 | 3.81 | 0.00 | 0.00 |
| **22:00** | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3223.97 | 67.17 | 9910.84 | 3.79 | 0.00 | 0.00 |
| 22:15 | 0.3 | 0.06 | 0.10 | | 0.05 | 0.0115 | 0.0202 | 18.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 | 3215.29 | 66.99 | 9862.08 | 3.77 | 0.00 | 0.00 |
| 22:30 | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3207.60 | 66.82 | 9807.40 | 3.75 | 0.00 | 0.00 |
| 22:45 | 0.2 | 0.04 | 0.10 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3198.97 | 66.65 | 9752.90 | 3.73 | 0.00 | 0.00 |
| **23:00** | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3190.38 | 66.47 | 9698.58 | 3.71 | 0.00 | 0.00 |
| 23:15 | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3181.81 | 66.29 | 9644.44 | 3.69 | 0.00 | 0.00 |
| 23:30 | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3173.27 | 66.11 | 9590.47 | 3.67 | 0.00 | 0.00 |
| 23:45 | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3164.76 | 65.93 | 9536.69 | 3.65 | 0.00 | 0.00 |
| **24:00** | 0.2 | 0.04 | 0.09 | | 0.03 | 0.0076 | 0.0135 | 12.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15 | 3156.27 | 65.76 | 9483.08 | 3.63 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.09 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3147.82 | 65.58 | 9417.50 | 3.60 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **14184.83** | | | | | | | | | **Total Overflow (cf)** | | **0.00** | |

**HYDROLOGY CALCULATIONS -**

**Using the RCFC&WCD Short Cut Unit Hydrograph Method**

| | | | | | |
|---|---|---|---|---|---|
| **Area Designations** | **Basin D** | | | | |
| **Drainage Area (ac.)** | **0.5600** | | | | |
| Unit time (minutes) | **5** | **5** | **5** | **15** | |
| 100 Year Storm Duration (hrs) | 1 | 3 | 6 | 24 | |
| Total Precipitation (Plates D-4.4,E-5.2, 5.4, 5.6)(in.) | **1.76** | **2.49** | **3.24** | **4.78** | Or data from NOAA interactive website |
| Soils Group | A | | | | |
| AMC index II Runoff Number (plate E-6.1) | 32 | | | | |
| Plate E-6.2 Pervious Area Loss Rate (Fp)(in/hr) | 0.74 | (AMC II) | | | |
| Percentage of Impervious Cover (Ai)(%) (plate E-6.3) | | **79** | (See impervious/pervious area calculations included in report) | | |
| Weighted Average Loss Rate (F=Fp(1-.9Ai))(in./hr.) | 0.21 | (used for 1, 3, and 6 hour storm, the 24 hour storm uses variable maximum loss rate per plate E-1.1 (3 of 6)) | | | |
| Low Loss Rate Percent (%) | 80 | | | | |
| Retention Basin Percolation Rate (in/hr) | **1** | (also used for drywell percolation rate) | | | |

**Percolation is taken incrementally.**

**Basin volume is calculated using the "truncated pyramid" formula, a more conservative estimate than "averaged end areas" sometimes used**

**The measured elevation of the underground chamber top and bottom are to be determined.**

**(Drywell can be "zeroed out" by reducing numbers to less than .001, but should not entered as zeros or program chokes.)**

**Drywell storage includes 40% of the 1' wide rock bed surrounding the drywell: formula (upper)*PI()*(diam/2)^2+(lower)*PI()*((diam/2)^2+0.4*((diam/2+(grav+0.4166))^2-(diam/2+0.4166)^2))**

**The drywell wall thickness is assumed at 5" (0.4166) and the gravel bed width is variable "grav"**

**Drywell design factors** **Upper sec. (ft.)=** **0.001** **Lower sec. (ft.)=** **0.001** **Ring diam. (ft.) =** **0.001** **Drywell lower max. (cf)=** **0.00** **Upper max.(cf)=** **0.00**

**Gravel bed width around drwyell=** **1** **Drywell total(cf)=** **0.00**

**NOTE: The basin top and bottom are defined as the required bed size provided by ADS, and rather than using the actual max depth, the depth has been adjusted for the max. storage to approximately be the provided volume of the chambers after taking the stone space into account. The StormTech fact sheet is provided in Appendix G.**

**Ret. Basin design (area, depth)** **Top =** **1137.45** s.f. **Bot. =** **1137.45** **s.f.** **Max. Depth (d)=** **3.275** **Max. storage=** **3725.15** (d/3)*(bottom+top+(bottom*top)^0.50)

**Formulas** **vol=(h/3)*(bottom+top+(bottom*top)^0.50)** **area=bottom+(h/d)*(top-bottom)** **h=(vol*3)/(bottom+top+(bottom*top)^0.5)** **(values must be non-zero or error occurs)**

**Outside input from:** **N/A**

**1 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 3.7 | 0.7814 | 0.2139 | N/A | 0.5676 | 0.3205 | 96.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 96.15 | 1137.45 | 7.90 | 88.25 | 0.08 | 0.00 | 0.00 |
| 0:10 | 4.8 | 1.0138 | 0.2139 | N/A | 0.7999 | 0.4517 | 135.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 135.50 | 1137.45 | 7.90 | 215.85 | 0.19 | 0.00 | 0.00 |
| 0:15 | 5.1 | 1.0771 | 0.2139 | N/A | 0.8633 | 0.4875 | 146.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 146.24 | 1137.45 | 7.90 | 354.19 | 0.31 | 0.00 | 0.00 |
| 0:20 | 4.9 | 1.0349 | 0.2139 | N/A | 0.8210 | 0.4636 | 139.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 139.08 | 1137.45 | 7.90 | 485.37 | 0.43 | 0.00 | 0.00 |
| 0:25 | 6.6 | 1.3939 | 0.2139 | N/A | 1.1801 | 0.6663 | 199.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 199.90 | 1137.45 | 7.90 | 677.37 | 0.60 | 0.00 | 0.00 |
| 0:30 | 7.3 | 1.5418 | 0.2139 | N/A | 1.3279 | 0.7498 | 224.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 224.95 | 1137.45 | 7.90 | 894.42 | 0.79 | 0.00 | 0.00 |
| 0:35 | 8.4 | 1.7741 | 0.2139 | N/A | 1.5602 | 0.8810 | 264.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 264.30 | 1137.45 | 7.90 | 1150.82 | 1.01 | 0.00 | 0.00 |
| 0:40 | 9 | 1.9008 | 0.2139 | N/A | 1.6869 | 0.9526 | 285.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 285.77 | 1137.45 | 7.90 | 1428.69 | 1.26 | 0.00 | 0.00 |
| 0:45 | 12.3 | 2.5978 | 0.2139 | N/A | 2.3839 | 1.3461 | 403.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 403.83 | 1137.45 | 7.90 | 1824.63 | 1.60 | 0.00 | 0.00 |
| 0:50 | 17.6 | 3.7171 | 0.2139 | N/A | **3.5033** | **1.9782** | **593.45** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 593.45 | 1137.45 | 7.90 | 2410.18 | 2.12 | 0.00 | 0.00 |
| 0:55 | 16.1 | 3.4003 | 0.2139 | N/A | 3.1865 | 1.7993 | 539.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 539.79 | 1137.45 | 7.90 | 2942.07 | 2.59 | 0.00 | 0.00 |
| **1:00** | 4.2 | 0.8870 | 0.2139 | N/A | 0.6732 | 0.3801 | 114.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114.04 | 1137.45 | 7.90 | **3048.20** | **2.68** | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2139 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3040.30 | 2.67 | 0.00 | 0.00 |
| | 0 | 0.0000 | 0.2139 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3032.41 | 2.67 | 0.00 | 0.00 |
| 1:15 | 0 | 0.0000 | 0.2139 | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3024.51 | 2.66 | 0.00 | 0.00 |
| | | | | | **Total volume (cf)** | | **3142.99** | | | | | | | | | | | **Total Overflow (cf)** | **0.00** |

**3 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Max. | Value Min. | | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 1.3 | 0.39 | 0.21 | N/A | | 0.1746 | 0.0986 | 29.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.57 | 1137.45 | 7.90 | 21.67 | 0.02 | 0.00 | 0.00 |
| 0:10 | 1.3 | 0.39 | 0.21 | N/A | | 0.1746 | 0.0986 | 29.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.57 | 1137.45 | 7.90 | 43.35 | 0.04 | 0.00 | 0.00 |
| 0:15 | 1.1 | 0.33 | 0.21 | N/A | | 0.1148 | 0.0648 | 19.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.45 | 1137.45 | 7.90 | 54.90 | 0.05 | 0.00 | 0.00 |
| 0:20 | 1.5 | 0.45 | 0.21 | N/A | | 0.2343 | 0.1323 | 39.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.70 | 1137.45 | 7.90 | 86.70 | 0.08 | 0.00 | 0.00 |
| 0:25 | 1.5 | 0.45 | 0.21 | N/A | | 0.2343 | 0.1323 | 39.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.70 | 1137.45 | 7.90 | 118.50 | 0.10 | 0.00 | 0.00 |
| 0:30 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 165.48 | 0.15 | 0.00 | 0.00 |
| 0:35 | 1.5 | 0.45 | 0.21 | N/A | | 0.2343 | 0.1323 | 39.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.70 | 1137.45 | 7.90 | 197.28 | 0.17 | 0.00 | 0.00 |
| 0:40 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 244.26 | 0.21 | 0.00 | 0.00 |
| 0:45 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 291.24 | 0.26 | 0.00 | 0.00 |
| 0:50 | 1.5 | 0.45 | 0.21 | N/A | | 0.2343 | 0.1323 | 39.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.70 | 1137.45 | 7.90 | 323.04 | 0.28 | 0.00 | 0.00 |
| 0:55 | 1.6 | 0.48 | 0.21 | N/A | | 0.2642 | 0.1492 | 44.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.76 | 1137.45 | 7.90 | 359.90 | 0.32 | 0.00 | 0.00 |
| **1:00** | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 406.88 | 0.36 | 0.00 | 0.00 |
| 1:05 | 2.2 | 0.66 | 0.21 | N/A | | 0.4435 | 0.2504 | 75.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.13 | 1137.45 | 7.90 | 474.11 | 0.42 | 0.00 | 0.00 |
| 1:10 | 2.2 | 0.66 | 0.21 | N/A | | 0.4435 | 0.2504 | 75.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.13 | 1137.45 | 7.90 | 541.34 | 0.48 | 0.00 | 0.00 |
| 1:15 | 2.2 | 0.66 | 0.21 | N/A | | 0.4435 | 0.2504 | 75.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.13 | 1137.45 | 7.90 | 608.57 | 0.54 | 0.00 | 0.00 |
| 1:20 | 2 | 0.60 | 0.21 | N/A | | 0.3837 | 0.2167 | 65.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.01 | 1137.45 | 7.90 | 665.68 | 0.59 | 0.00 | 0.00 |
| 1:25 | 2.6 | 0.78 | 0.21 | N/A | | 0.5630 | 0.3179 | 95.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 95.38 | 1137.45 | 7.90 | 753.16 | 0.66 | 0.00 | 0.00 |
| 1:30 | 2.7 | 0.81 | 0.21 | N/A | | 0.5929 | 0.3348 | 100.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.44 | 1137.45 | 7.90 | 845.70 | 0.74 | 0.00 | 0.00 |
| 1:35 | 2.4 | 0.72 | 0.21 | N/A | | 0.5033 | 0.2842 | 85.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 85.25 | 1137.45 | 7.90 | 923.05 | 0.81 | 0.00 | 0.00 |
| 1:40 | 2.7 | 0.81 | 0.21 | N/A | | 0.5929 | 0.3348 | 100.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.44 | 1137.45 | 7.90 | 1015.59 | 0.89 | 0.00 | 0.00 |
| 1:45 | 3.3 | 0.99 | 0.21 | N/A | | 0.7722 | 0.4360 | 130.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 130.81 | 1137.45 | 7.90 | 1138.50 | 1.00 | 0.00 | 0.00 |
| 1:50 | 3.1 | 0.93 | 0.21 | N/A | | 0.7124 | 0.4023 | 120.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 120.68 | 1137.45 | 7.90 | 1251.28 | 1.10 | 0.00 | 0.00 |
| 1:55 | 2.9 | 0.87 | 0.21 | N/A | | 0.6527 | 0.3685 | 110.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 110.56 | 1137.45 | 7.90 | 1353.94 | 1.19 | 0.00 | 0.00 |
| **2:00** | 3 | 0.90 | 0.21 | N/A | | 0.6825 | 0.3854 | 115.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 115.62 | 1137.45 | 7.90 | 1461.67 | 1.29 | 0.00 | 0.00 |
| 2:05 | 3.1 | 0.93 | 0.21 | N/A | | 0.7124 | 0.4023 | 120.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 120.68 | 1137.45 | 7.90 | 1574.45 | 1.38 | 0.00 | 0.00 |
| 2:10 | 4.2 | 1.25 | 0.21 | N/A | | 1.0411 | 0.5879 | 176.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 176.36 | 1137.45 | 7.90 | 1742.91 | 1.53 | 0.00 | 0.00 |
| 2:15 | 5 | 1.49 | 0.21 | N/A | | 1.2801 | 0.7229 | 216.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 216.86 | 1137.45 | 7.90 | 1951.87 | 1.72 | 0.00 | 0.00 |
| 2:20 | 3.5 | 1.05 | 0.21 | N/A | | 0.8319 | 0.4698 | 140.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 140.93 | 1137.45 | 7.90 | 2084.90 | 1.83 | 0.00 | 0.00 |
| 2:25 | 6.8 | 2.03 | 0.21 | N/A | | 1.8180 | 1.0266 | 307.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 307.97 | 1137.45 | 7.90 | 2384.97 | 2.10 | 0.00 | 0.00 |
| 2:30 | 7.3 | 2.18 | 0.21 | N/A | | 1.9674 | 1.1109 | 333.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 333.27 | 1137.45 | 7.90 | 2710.35 | 2.38 | 0.00 | 0.00 |
| 2:35 | 8.2 | 2.45 | 0.21 | N/A | | **2.2363** | **1.2628** | **378.83** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 378.83 | 1137.45 | 7.90 | 3081.28 | 2.71 | 0.00 | 0.00 |
| 2:40 | 5.9 | 1.76 | 0.21 | N/A | | 1.5491 | 0.8747 | 262.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 262.41 | 1137.45 | 7.90 | 3335.79 | 2.93 | 0.00 | 0.00 |
| 2:45 | 2 | 0.60 | 0.21 | N/A | | 0.3837 | 0.2167 | 65.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.01 | 1137.45 | 7.90 | 3392.89 | 2.98 | 0.00 | 0.00 |
| 2:50 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | 3439.88 | 3.02 | 0.00 | 0.00 |
| 2:55 | 1.8 | 0.54 | 0.21 | N/A | | 0.3240 | 0.1829 | 54.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.88 | 1137.45 | 7.90 | **3486.86** | **3.07** | 0.00 | 0.00 |
| **3:00** | 0.6 | 0.18 | 0.21 | 0.14 | | 0.0359 | 0.0202 | 6.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.07 | 1137.45 | 7.90 | 3485.04 | 3.06 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3477.14 | 3.06 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3469.24 | 3.05 | 0.00 | 0.00 |
| 3:15 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3461.34 | 3.04 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3453.44 | 3.04 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3445.54 | 3.03 | 0.00 | 0.00 |
| 3:30 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3437.64 | 3.02 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3429.74 | 3.02 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3421.84 | 3.01 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **3769.40** | | | | | | | | **Total Overflow (cf)** | | | **0.00** | |

**6 Hour Storm in 5 minute increments**

| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:05 | 0.5 | 0.19 | 0.21 | 0.16 | 0.0389 | 0.0220 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.58 | 1137.45 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:10 | 0.6 | 0.23 | 0.21 | 0.19 | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:15 | 0.6 | 0.23 | 0.21 | 0.19 | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | 0.01 | 0.00 | 0.00 | 0.00 |
| 0:20 | 0.6 | 0.23 | 0.21 | 0.19 | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | 0.01 | 0.00 | 0.00 | 0.00 |
| 0:25 | 0.6 | 0.23 | 0.21 | 0.19 | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | 0.02 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 2.00 | 0.00 | 0.00 | 0.00 |
| 0:35 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 3.97 | 0.00 | 0.00 | 0.00 |
| 0:40 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 5.95 | 0.01 | 0.00 | 0.00 |
| 0:45 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 7.93 | 0.01 | 0.00 | 0.00 |
| 0:50 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 9.90 | 0.01 | 0.00 | 0.00 |
| 0:55 | 0.7 | 0.27 | 0.21 | N/A | 0.0583 | 0.0329 | 9.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 1137.45 | 7.90 | 11.88 | 0.01 | 0.00 | 0.00 |
| **1:00** | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 20.44 | 0.02 | 0.00 | 0.00 |
| 1:05 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 29.01 | 0.03 | 0.00 | 0.00 |
| 1:10 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 37.57 | 0.03 | 0.00 | 0.00 |
| 1:15 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 46.13 | 0.04 | 0.00 | 0.00 |
| 1:20 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 54.70 | 0.05 | 0.00 | 0.00 |
| 1:25 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 63.26 | 0.06 | 0.00 | 0.00 |
| 1:30 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 71.82 | 0.06 | 0.00 | 0.00 |
| 1:35 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 80.39 | 0.07 | 0.00 | 0.00 |
| 1:40 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 88.95 | 0.08 | 0.00 | 0.00 |
| 1:45 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 97.51 | 0.09 | 0.00 | 0.00 |
| 1:50 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 106.08 | 0.09 | 0.00 | 0.00 |
| 1:55 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 114.64 | 0.10 | 0.00 | 0.00 |
| **2:00** | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 129.79 | 0.11 | 0.00 | 0.00 |
| 2:05 | 0.8 | 0.31 | 0.21 | N/A | 0.0972 | 0.0549 | 16.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 | 1137.45 | 7.90 | 138.35 | 0.12 | 0.00 | 0.00 |
| 2:10 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 153.50 | 0.13 | 0.00 | 0.00 |
| 2:15 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 168.65 | 0.15 | 0.00 | 0.00 |
| 2:20 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 183.80 | 0.16 | 0.00 | 0.00 |
| 2:25 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 198.95 | 0.17 | 0.00 | 0.00 |
| 2:30 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 214.10 | 0.19 | 0.00 | 0.00 |
| 2:35 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 229.25 | 0.20 | 0.00 | 0.00 |
| 2:40 | 0.9 | 0.35 | 0.21 | N/A | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 244.40 | 0.21 | 0.00 | 0.00 |
| 2:45 | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 266.14 | 0.23 | 0.00 | 0.00 |
| 2:50 | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 287.87 | 0.25 | 0.00 | 0.00 |
| 2:55 | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 309.61 | 0.27 | 0.00 | 0.00 |
| **3:00** | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 331.34 | 0.29 | 0.00 | 0.00 |
| 3:05 | 1 | 0.39 | 0.21 | N/A | 0.1749 | 0.0988 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 1137.45 | 7.90 | 353.08 | 0.31 | 0.00 | 0.00 |
| 3:10 | 1.1 | 0.43 | 0.21 | N/A | 0.2138 | 0.1207 | 36.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.22 | 1137.45 | 7.90 | 381.40 | 0.34 | 0.00 | 0.00 |
| 3:15 | 1.1 | 0.43 | 0.21 | N/A | 0.2138 | 0.1207 | 36.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.22 | 1137.45 | 7.90 | 409.72 | 0.36 | 0.00 | 0.00 |
| 3:20 | 1.1 | 0.43 | 0.21 | N/A | 0.2138 | 0.1207 | 36.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.22 | 1137.45 | 7.90 | 438.05 | 0.39 | 0.00 | 0.00 |
| 3:25 | 1.2 | 0.47 | 0.21 | N/A | 0.2527 | 0.1427 | 42.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.81 | 1137.45 | 7.90 | 472.96 | 0.42 | 0.00 | 0.00 |
| 3:30 | 1.3 | 0.51 | 0.21 | N/A | 0.2916 | 0.1646 | 49.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.39 | 1137.45 | 7.90 | 514.45 | 0.45 | 0.00 | 0.00 |
| 3:35 | 1.4 | 0.54 | 0.21 | N/A | 0.3305 | 0.1866 | 55.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.98 | 1137.45 | 7.90 | 562.53 | 0.49 | 0.00 | 0.00 |
| 3:40 | 1.4 | 0.54 | 0.21 | N/A | 0.3305 | 0.1866 | 55.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.98 | 1137.45 | 7.90 | 610.61 | 0.54 | 0.00 | 0.00 |
| 3:45 | 1.5 | 0.58 | 0.21 | N/A | 0.3693 | 0.2086 | 62.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.57 | 1137.45 | 7.90 | 665.28 | 0.58 | 0.00 | 0.00 |
| 3:50 | 1.5 | 0.58 | 0.21 | N/A | 0.3693 | 0.2086 | 62.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.57 | 1137.45 | 7.90 | 719.95 | 0.63 | 0.00 | 0.00 |
| 3:55 | 1.6 | 0.62 | 0.21 | N/A | 0.4082 | 0.2305 | 69.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 69.15 | 1137.45 | 7.90 | 781.20 | 0.69 | 0.00 | 0.00 |
| **4:00** | 1.6 | 0.62 | 0.21 | N/A | 0.4082 | 0.2305 | 69.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 69.15 | 1137.45 | 7.90 | 842.45 | 0.74 | 0.00 | 0.00 |
| 4:05 | 1.7 | 0.66 | 0.21 | N/A | 0.4471 | 0.2525 | 75.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.74 | 1137.45 | 7.90 | 910.29 | 0.80 | 0.00 | 0.00 |
| 4:10 | 1.8 | 0.70 | 0.21 | N/A | 0.4860 | 0.2744 | 82.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 82.33 | 1137.45 | 7.90 | 984.72 | 0.87 | 0.00 | 0.00 |
| 4:15 | 1.9 | 0.74 | 0.21 | N/A | 0.5249 | 0.2964 | 88.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 88.91 | 1137.45 | 7.90 | 1065.73 | 0.94 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:20 | 2 | 0.78 | 0.21 | N/A | | 0.5637 | 0.3183 | 95.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 95.50 | 1137.45 | 7.90 | 1153.33 | 1.01 | 0.00 | 0.00 |
| 4:25 | 2.1 | 0.82 | 0.21 | N/A | | 0.6026 | 0.3403 | 102.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 102.08 | 1137.45 | 7.90 | 1247.51 | 1.10 | 0.00 | 0.00 |
| 4:30 | 2.1 | 0.82 | 0.21 | N/A | | 0.6026 | 0.3403 | 102.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 102.08 | 1137.45 | 7.90 | 1341.70 | 1.18 | 0.00 | 0.00 |
| 4:35 | 2.2 | 0.86 | 0.21 | N/A | | 0.6415 | 0.3622 | 108.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 108.67 | 1137.45 | 7.90 | 1442.47 | 1.27 | 0.00 | 0.00 |
| 4:40 | 2.3 | 0.89 | 0.21 | N/A | | 0.6804 | 0.3842 | 115.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 115.26 | 1137.45 | 7.90 | 1549.83 | 1.36 | 0.00 | 0.00 |
| 4:45 | 2.4 | 0.93 | 0.21 | N/A | | 0.7193 | 0.4061 | 121.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 121.84 | 1137.45 | 7.90 | 1663.77 | 1.46 | 0.00 | 0.00 |
| 4:50 | 2.4 | 0.93 | 0.21 | N/A | | 0.7193 | 0.4061 | 121.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 121.84 | 1137.45 | 7.90 | 1777.72 | 1.56 | 0.00 | 0.00 |
| 4:55 | 2.5 | 0.97 | 0.21 | N/A | | 0.7581 | 0.4281 | 128.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128.43 | 1137.45 | 7.90 | 1898.25 | 1.67 | 0.00 | 0.00 |
| **5:00** | 2.6 | 1.01 | 0.21 | N/A | | 0.7970 | 0.4501 | 135.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 135.02 | 1137.45 | 7.90 | 2025.36 | 1.78 | 0.00 | 0.00 |
| 5:05 | 3.1 | 1.21 | 0.21 | N/A | | 0.9914 | 0.5598 | 167.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 167.95 | 1137.45 | 7.90 | 2185.41 | 1.92 | 0.00 | 0.00 |
| 5:10 | 3.6 | 1.40 | 0.21 | N/A | | 1.1858 | 0.6696 | 200.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 200.88 | 1137.45 | 7.90 | 2378.39 | 2.09 | 0.00 | 0.00 |
| 5:15 | 3.9 | 1.52 | 0.21 | N/A | | 1.3025 | 0.7355 | 220.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 220.64 | 1137.45 | 7.90 | 2591.13 | 2.28 | 0.00 | 0.00 |
| 5:20 | 4.2 | 1.63 | 0.21 | N/A | | 1.4191 | 0.8013 | 240.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 240.40 | 1137.45 | 7.90 | 2823.62 | 2.48 | 0.00 | 0.00 |
| 5:25 | 4.7 | 1.83 | 0.21 | N/A | | 1.6135 | 0.9111 | 273.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 273.33 | 1137.45 | 7.90 | 3089.05 | 2.72 | 0.00 | 0.00 |
| 5:30 | 5.6 | 2.18 | 0.21 | N/A | | **1.9634** | **1.1087** | **332.60** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 332.60 | 1137.45 | 7.90 | 3413.76 | 3.00 | 0.00 | 0.00 |
| 5:35 | 1.9 | 0.74 | 0.21 | N/A | | 0.5249 | 0.2964 | 88.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 88.91 | 1137.45 | 7.90 | 3494.77 | 3.07 | 0.00 | 0.00 |
| 5:40 | 0.9 | 0.35 | 0.21 | N/A | | 0.1361 | 0.0768 | 23.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 1137.45 | 7.90 | 3509.92 | 3.09 | 0.00 | 0.00 |
| 5:45 | 0.6 | 0.23 | 0.21 | 0.19 | | 0.0467 | 0.0263 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 1137.45 | 7.90 | **3509.92** | **3.09** | 0.00 | 0.00 |
| 5:50 | 0.5 | 0.19 | 0.21 | 0.16 | | 0.0389 | 0.0220 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.59 | 1137.45 | 7.90 | 3508.61 | 3.08 | 0.00 | 0.00 |
| 5:55 | 0.3 | 0.12 | 0.21 | 0.09 | | 0.0233 | 0.0132 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.95 | 1137.45 | 7.90 | 3504.66 | 3.08 | 0.00 | 0.00 |
| **6:00** | 0.2 | 0.08 | 0.21 | 0.06 | | 0.0156 | 0.0088 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.63 | 1137.45 | 7.90 | 3499.40 | 3.08 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3491.50 | 3.07 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3483.60 | 3.06 | 0.00 | 0.00 |
| 6:15 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3475.70 | 3.06 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3467.80 | 3.05 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3459.90 | 3.04 | 0.00 | 0.00 |
| 6:30 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3452.00 | 3.03 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3444.10 | 3.03 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3436.21 | 3.02 | 0.00 | 0.00 |
| 6:45 | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3428.31 | 3.01 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3420.41 | 3.01 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3412.51 | 3.00 | 0.00 | 0.00 |
| **7:00** | 0 | 0.00 | 0.21 | 0.00 | | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 7.90 | 3404.61 | 2.99 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **4066.81** | | | | | | | | | **Total Overflow (cf)** | | **0.00** | |

**24 Hour Storm in 15 minute increments**

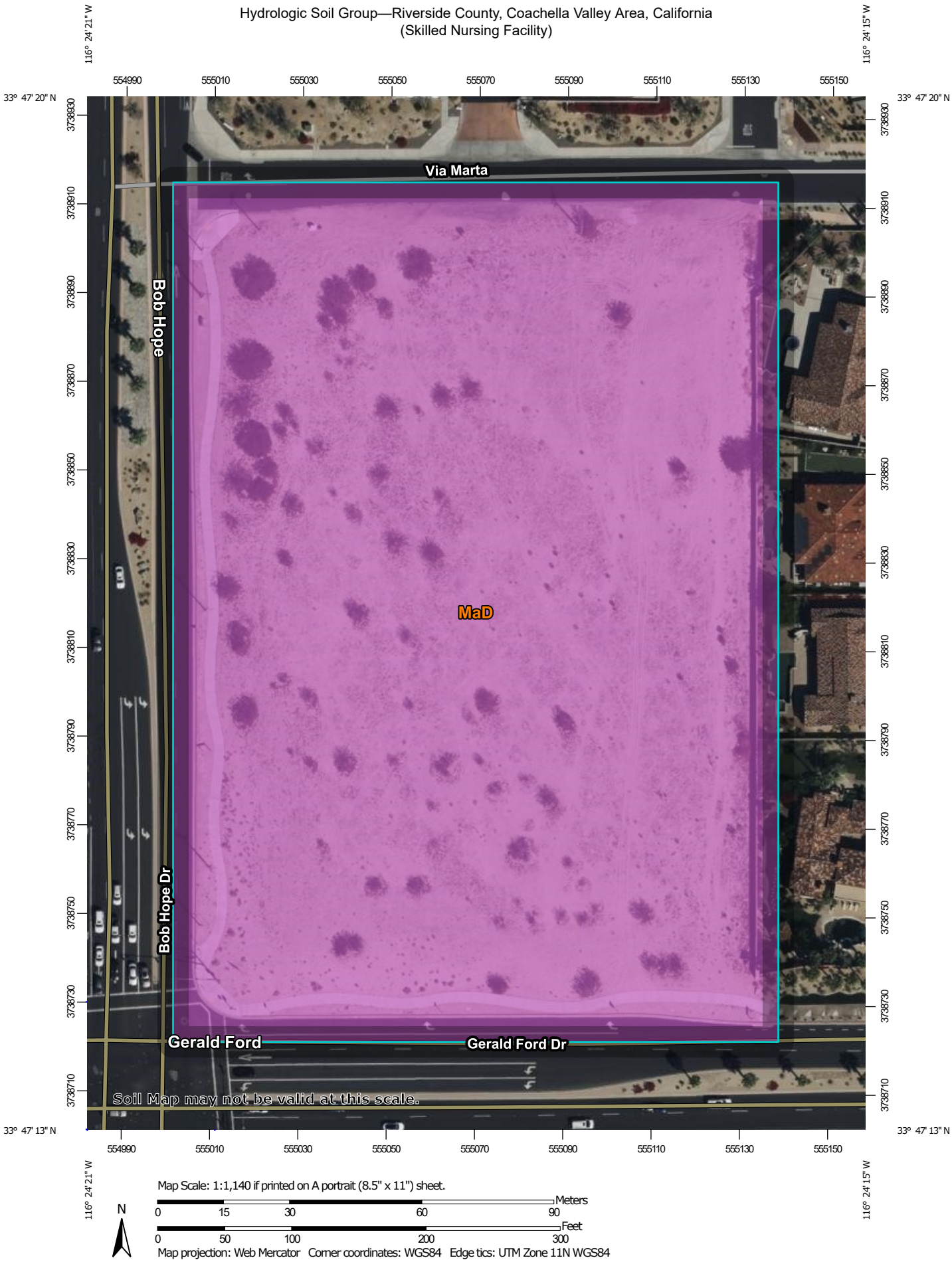
| Time | Pattern % | Storm Rain (in/hr | Loss Rate Value Max. | Min. | Effective Rain (in/hr | Flow Rate (cfs) | Flow Vol. (cf) | Outside Input (cf) | Drywell Retention Area (sf) | Drywell Period Perc. (cf) | Drywell Storage Vol. (cf) | Drywell Storage Depth (ft) | Overflow To Basin (cf) | Retention Area (sf) | Basin Period Perc. (cf) | Basin Storage Vol. (cf) | Basin Storage Depth (ft | Overflow Vol. (cf) | Overflow Rate (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0:15 | 0.2 | 0.04 | 0.38 | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.88 | 1137.45 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:30 | 0.3 | 0.06 | 0.37 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0:45 | 0.3 | 0.06 | 0.37 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1:00** | 0.4 | 0.08 | 0.36 | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:15 | 0.3 | 0.06 | 0.36 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:30 | 0.3 | 0.06 | 0.35 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1:45 | 0.3 | 0.06 | 0.35 | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| **2:00** | 0.4 | 0.08 | 0.35 | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:15 | 0.4 | 0.08 | 0.34 | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:30 | 0.4 | 0.08 | 0.34 | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2:45 | 0.5 | 0.10 | 0.33 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| **3:00** | 0.5 | 0.10 | 0.33 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:15 | 0.5 | 0.10 | 0.32 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:30 | 0.5 | 0.10 | 0.32 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3:45 | 0.5 | 0.10 | 0.32 | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| **4:00** | 0.6 | 0.11 | 0.31 | 0.09 | 0.0229 | 0.0130 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.66 | 1137.45 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:15 | 0.6 | 0.11 | 0.31 | 0.09 | 0.0229 | 0.0130 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.66 | 1137.45 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:30 | 0.7 | 0.13 | 0.30 | 0.11 | 0.0268 | 0.0151 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.60 | 1137.45 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4:45 | 0.7 | 0.13 | 0.30 | 0.11 | 0.0268 | 0.0151 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.60 | 1137.45 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| **5:00** | 0.8 | 0.15 | 0.30 | 0.12 | 0.0306 | 0.0173 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.55 | 1137.45 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:15 | 0.6 | 0.11 | 0.29 | 0.09 | 0.0229 | 0.0130 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.66 | 1137.45 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:30 | 0.7 | 0.13 | 0.29 | 0.11 | 0.0268 | 0.0151 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.60 | 1137.45 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5:45 | 0.8 | 0.15 | 0.29 | 0.12 | 0.0306 | 0.0173 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.55 | 1137.45 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| **6:00** | 0.8 | 0.15 | 0.28 | 0.12 | 0.0306 | 0.0173 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.55 | 1137.45 | 15.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:15 | 0.9 | 0.17 | 0.28 | 0.14 | 0.0344 | 0.0194 | 17.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.49 | 1137.45 | 17.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:30 | 0.9 | 0.17 | 0.27 | 0.14 | 0.0344 | 0.0194 | 17.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.49 | 1137.45 | 17.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6:45 | 1 | 0.19 | 0.27 | 0.15 | 0.0382 | 0.0216 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.43 | 1137.45 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| **7:00** | 1 | 0.19 | 0.27 | 0.15 | 0.0382 | 0.0216 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.43 | 1137.45 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7:15 | 1 | 0.19 | 0.26 | 0.15 | 0.0382 | 0.0216 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.43 | 1137.45 | 19.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7:30 | 1.1 | 0.21 | 0.26 | 0.17 | 0.0421 | 0.0238 | 21.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.38 | 1137.45 | 21.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7:45 | 1.2 | 0.23 | 0.26 | 0.18 | 0.0459 | 0.0259 | 23.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.32 | 1137.45 | 23.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| **8:00** | 1.3 | 0.25 | 0.25 | 0.20 | 0.0497 | 0.0281 | 25.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.26 | 1137.45 | 23.70 | 1.57 | 0.00 | 0.00 | 0.00 |
| 8:15 | 1.5 | 0.29 | 0.25 | 0.23 | 0.0574 | 0.0324 | 29.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.15 | 1137.45 | 23.70 | 7.02 | 0.01 | 0.00 | 0.00 |
| 8:30 | 1.5 | 0.29 | 0.25 | 0.23 | 0.0574 | 0.0324 | 29.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.15 | 1137.45 | 23.70 | 12.47 | 0.01 | 0.00 | 0.00 |
| 8:45 | 1.6 | 0.31 | 0.24 | N/A | 0.0639 | 0.0361 | 32.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.45 | 1137.45 | 23.70 | 21.23 | 0.02 | 0.00 | 0.00 |
| **9:00** | 1.7 | 0.33 | 0.24 | N/A | 0.0864 | 0.0488 | 43.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.90 | 1137.45 | 23.70 | 41.43 | 0.04 | 0.00 | 0.00 |
| 9:15 | 1.9 | 0.36 | 0.24 | N/A | 0.1280 | 0.0723 | 65.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.06 | 1137.45 | 23.70 | 82.80 | 0.07 | 0.00 | 0.00 |
| 9:30 | 2 | 0.38 | 0.23 | N/A | 0.1505 | 0.0850 | 76.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 76.48 | 1137.45 | 23.70 | 135.58 | 0.12 | 0.00 | 0.00 |
| 9:45 | 2.1 | 0.40 | 0.23 | N/A | 0.1729 | 0.0977 | 87.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 87.89 | 1137.45 | 23.70 | 199.77 | 0.18 | 0.00 | 0.00 |
| **10:00** | 2.2 | 0.42 | 0.23 | N/A | 0.1954 | 0.1103 | 99.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.28 | 1137.45 | 23.70 | 275.35 | 0.24 | 0.00 | 0.00 |
| 10:15 | 1.5 | 0.29 | 0.22 | N/A | 0.0648 | 0.0366 | 32.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.92 | 1137.45 | 23.70 | 284.57 | 0.25 | 0.00 | 0.00 |
| 10:30 | 1.5 | 0.29 | 0.22 | N/A | 0.0680 | 0.0384 | 34.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.56 | 1137.45 | 23.70 | 295.43 | 0.26 | 0.00 | 0.00 |
| 10:45 | 2 | 0.38 | 0.22 | N/A | 0.1668 | 0.0942 | 84.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 84.76 | 1137.45 | 23.70 | 356.50 | 0.31 | 0.00 | 0.00 |
| **11:00** | 2 | 0.38 | 0.21 | N/A | 0.1700 | 0.0960 | 86.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.37 | 1137.45 | 23.70 | 419.17 | 0.37 | 0.00 | 0.00 |
| 11:15 | 1.9 | 0.36 | 0.21 | N/A | 0.1540 | 0.0869 | 78.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 78.24 | 1137.45 | 23.70 | 473.72 | 0.42 | 0.00 | 0.00 |
| 11:30 | 1.9 | 0.36 | 0.21 | N/A | 0.1571 | 0.0887 | 79.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 79.82 | 1137.45 | 23.70 | 529.84 | 0.47 | 0.00 | 0.00 |
| 11:45 | 1.7 | 0.33 | 0.20 | N/A | 0.1219 | 0.0688 | 61.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61.94 | 1137.45 | 23.70 | 568.08 | 0.50 | 0.00 | 0.00 |
| **12:00** | 1.8 | 0.34 | 0.20 | N/A | 0.1440 | 0.0813 | 73.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 73.19 | 1137.45 | 23.70 | 617.58 | 0.54 | 0.00 | 0.00 |
| 12:15 | 2.5 | 0.48 | 0.20 | N/A | 0.2809 | 0.1586 | 142.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 142.73 | 1137.45 | 23.70 | 736.61 | 0.65 | 0.00 | 0.00 |
| 12:30 | 2.6 | 0.50 | 0.19 | N/A | 0.3029 | 0.1711 | 153.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 153.95 | 1137.45 | 23.70 | 866.87 | 0.76 | 0.00 | 0.00 |
| 12:45 | 2.8 | 0.54 | 0.19 | N/A | 0.3441 | 0.1943 | 174.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 174.87 | 1137.45 | 23.70 | 1018.04 | 0.90 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **13:00** | 2.9 | 0.55 | 0.19 | N/A | | 0.3661 | 0.2067 | 186.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.05 | 1137.45 | 23.70 | 1180.40 | 1.04 | 0.00 | 0.00 |
| 13:15 | 3.4 | 0.65 | 0.19 | N/A | | 0.4646 | 0.2623 | 236.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 236.09 | 1137.45 | 23.70 | 1392.79 | 1.22 | 0.00 | 0.00 |
| 13:30 | 3.4 | 0.65 | 0.18 | N/A | | **0.4674** | **0.2639** | **237.52** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 237.52 | 1137.45 | 23.70 | 1606.61 | 1.41 | 0.00 | 0.00 |
| 13:45 | 2.3 | 0.44 | 0.18 | N/A | | 0.2598 | 0.1467 | 132.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132.05 | 1137.45 | 23.70 | 1714.96 | 1.51 | 0.00 | 0.00 |
| **14:00** | 2.3 | 0.44 | 0.18 | N/A | | 0.2626 | 0.1483 | 133.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133.44 | 1137.45 | 23.70 | 1824.70 | 1.60 | 0.00 | 0.00 |
| 14:15 | 2.7 | 0.52 | 0.17 | N/A | | 0.3418 | 0.1930 | 173.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 173.68 | 1137.45 | 23.70 | 1974.68 | 1.74 | 0.00 | 0.00 |
| 14:30 | 2.6 | 0.50 | 0.17 | N/A | | 0.3253 | 0.1837 | 165.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 165.32 | 1137.45 | 23.70 | 2116.30 | 1.86 | 0.00 | 0.00 |
| 14:45 | 2.6 | 0.50 | 0.17 | N/A | | 0.3279 | 0.1852 | 166.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 166.65 | 1137.45 | 23.70 | 2259.26 | 1.99 | 0.00 | 0.00 |
| **15:00** | 2.5 | 0.48 | 0.17 | N/A | | 0.3114 | 0.1758 | 158.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 158.25 | 1137.45 | 23.70 | 2393.81 | 2.10 | 0.00 | 0.00 |
| 15:15 | 2.4 | 0.46 | 0.16 | N/A | | 0.2948 | 0.1665 | 149.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 149.83 | 1137.45 | 23.70 | 2519.95 | 2.22 | 0.00 | 0.00 |
| 15:30 | 2.3 | 0.44 | 0.16 | N/A | | 0.2782 | 0.1571 | 141.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 141.39 | 1137.45 | 23.70 | 2637.64 | 2.32 | 0.00 | 0.00 |
| 15:45 | 1.9 | 0.36 | 0.16 | N/A | | 0.2042 | 0.1153 | 103.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 103.78 | 1137.45 | 23.70 | 2717.72 | 2.39 | 0.00 | 0.00 |
| **16:00** | 1.9 | 0.36 | 0.16 | N/A | | 0.2066 | 0.1167 | 105.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 105.01 | 1137.45 | 23.70 | **2799.03** | **2.46** | 0.00 | 0.00 |
| 16:15 | 0.4 | 0.08 | 0.15 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2783.11 | 2.45 | 0.00 | 0.00 |
| 16:30 | 0.4 | 0.08 | 0.15 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2767.19 | 2.43 | 0.00 | 0.00 |
| 16:45 | 0.3 | 0.06 | 0.15 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2749.32 | 2.42 | 0.00 | 0.00 |
| **17:00** | 0.3 | 0.06 | 0.15 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2731.45 | 2.40 | 0.00 | 0.00 |
| 17:15 | 0.5 | 0.10 | 0.15 | | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 23.70 | 2717.47 | 2.39 | 0.00 | 0.00 |
| 17:30 | 0.5 | 0.10 | 0.14 | | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 23.70 | 2703.49 | 2.38 | 0.00 | 0.00 |
| 17:45 | 0.5 | 0.10 | 0.14 | | 0.08 | 0.0191 | 0.0108 | 9.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.72 | 1137.45 | 23.70 | 2689.51 | 2.36 | 0.00 | 0.00 |
| **18:00** | 0.4 | 0.08 | 0.14 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2673.59 | 2.35 | 0.00 | 0.00 |
| 18:15 | 0.4 | 0.08 | 0.14 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2657.67 | 2.34 | 0.00 | 0.00 |
| 18:30 | 0.4 | 0.08 | 0.13 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2641.74 | 2.32 | 0.00 | 0.00 |
| 18:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2623.88 | 2.31 | 0.00 | 0.00 |
| **19:00** | 0.2 | 0.04 | 0.13 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2604.07 | 2.29 | 0.00 | 0.00 |
| 19:15 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2586.20 | 2.27 | 0.00 | 0.00 |
| 19:30 | 0.4 | 0.08 | 0.13 | | 0.06 | 0.0153 | 0.0086 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 1137.45 | 23.70 | 2570.28 | 2.26 | 0.00 | 0.00 |
| 19:45 | 0.3 | 0.06 | 0.13 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2552.41 | 2.24 | 0.00 | 0.00 |
| **20:00** | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2532.60 | 2.23 | 0.00 | 0.00 |
| 20:15 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2514.73 | 2.21 | 0.00 | 0.00 |
| 20:30 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2496.86 | 2.20 | 0.00 | 0.00 |
| 20:45 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2479.00 | 2.18 | 0.00 | 0.00 |
| **21:00** | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2459.19 | 2.16 | 0.00 | 0.00 |
| 21:15 | 0.3 | 0.06 | 0.12 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2441.32 | 2.15 | 0.00 | 0.00 |
| 21:30 | 0.2 | 0.04 | 0.12 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2421.51 | 2.13 | 0.00 | 0.00 |
| 21:45 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2403.64 | 2.11 | 0.00 | 0.00 |
| **22:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2383.83 | 2.10 | 0.00 | 0.00 |
| 22:15 | 0.3 | 0.06 | 0.11 | | 0.05 | 0.0115 | 0.0065 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 1137.45 | 23.70 | 2365.97 | 2.08 | 0.00 | 0.00 |
| 22:30 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2346.16 | 2.06 | 0.00 | 0.00 |
| 22:45 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2326.35 | 2.05 | 0.00 | 0.00 |
| **23:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2306.54 | 2.03 | 0.00 | 0.00 |
| 23:15 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2286.73 | 2.01 | 0.00 | 0.00 |
| 23:30 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2266.92 | 1.99 | 0.00 | 0.00 |
| 23:45 | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2247.11 | 1.98 | 0.00 | 0.00 |
| **24:00** | 0.2 | 0.04 | 0.11 | | 0.03 | 0.0076 | 0.0043 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 1137.45 | 23.70 | 2227.30 | 1.96 | 0.00 | 0.00 |
| | 0 | 0.00 | 0.11 | | 0.00 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1137.45 | 23.70 | 2203.60 | 1.94 | 0.00 | 0.00 |
| | | | | | | **Total volume (cf)** | | **4140.72** | | | | | | | | | **Total Overflow (cf)** | | **0.00** | |

# APPENDIX D

## USDA WEB SOIL SURVEY REPORT

Hydrologic Soil Group—Riverside County, Coachella Valley Area, California
(Skilled Nursing Facility)




Map Scale: 1:1,140 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 15 30 60 90

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

## MAP LEGEND

**Area of Interest (AOI)**
- Area of Interest (AOI)

**Soils**

**Soil Rating Polygons**
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Soil Rating Lines**
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Soil Rating Points**
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Water Features**
- Streams and Canals

**Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

**Background**
- Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Riverside County, Coachella Valley Area, California
Survey Area Data: Version 14, Sep 1, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 15, 2022—May 28, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Hydrologic Soil Group

| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
|---|---|---|---|---|
| MaD | Myoma fine sand, 5 to 15 percent slopes | A | 6.6 | 100.0% |
| **Totals for Area of Interest** | | | **6.6** | **100.0%** |

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff: None Specified*

*Tie-break Rule:* Higher

# APPENDIX E

## NOAA PRECIPITATION DATA
## RCFC&WCD HYDROLOGY MANUAL – PLATES E-6.1 & E-6.2

**NOAA Atlas 14, Volume 6, Version 2**
**Location name: Rancho Mirage, California, USA***
**Latitude: 33.7881°, Longitude: -116.4051°**
**Elevation: 312 ft****
* source: ESRI Maps
** source: USGS

**POINT PRECIPITATION FREQUENCY ESTIMATES**

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

# PF tabular

**PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]**

| Duration | Average recurrence interval (years) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 5 | 10 | 25 | 50 | 100 | 200 | 500 | 1000 |
| 5-min | **0.062** (0.052-0.075) | **0.097** (0.081-0.118) | **0.151** (0.126-0.184) | **0.203** (0.167-0.249) | **0.285** (0.227-0.362) | **0.360** (0.280-0.467) | **0.447** (0.340-0.595) | **0.552** (0.407-0.755) | **0.723** (0.511-1.03) | **0.978** (0.668-1.45) |
| 10-min | **0.089** (0.074-0.108) | **0.139** (0.116-0.169) | **0.217** (0.180-0.264) | **0.290** (0.239-0.356) | **0.409** (0.325-0.519) | **0.516** (0.402-0.669) | **0.641** (0.487-0.853) | **0.791** (0.584-1.08) | **1.04** (0.733-1.48) | **1.40** (0.957-2.07) |
| 15-min | **0.108** (0.090-0.131) | **0.169** (0.140-0.205) | **0.262** (0.218-0.319) | **0.351** (0.289-0.431) | **0.494** (0.393-0.627) | **0.624** (0.486-0.809) | **0.776** (0.589-1.03) | **0.957** (0.706-1.31) | **1.25** (0.886-1.79) | **1.70** (1.16-2.51) |
| 30-min | **0.169** (0.141-0.205) | **0.265** (0.220-0.321) | **0.412** (0.342-0.502) | **0.552** (0.454-0.677) | **0.776** (0.617-0.985) | **0.979** (0.763-1.27) | **1.22** (0.925-1.62) | **1.50** (1.11-2.06) | **1.97** (1.39-2.81) | **2.66** (1.82-3.94) |
| 60-min | **0.245** (0.204-0.297) | **0.382** (0.318-0.464) | **0.596** (0.494-0.725) | **0.797** (0.656-0.978) | **1.12** (0.892-1.42) | **1.42** (1.10-1.84) | **1.76** (1.34-2.34) | **2.17** (1.60-2.97) | **2.84** (2.01-4.06) | **3.84** (2.63-5.69) |
| 2-hr | **0.345** (0.287-0.418) | **0.530** (0.441-0.643) | **0.806** (0.669-0.981) | **1.06** (0.872-1.30) | **1.45** (1.15-1.84) | **1.79** (1.40-2.33) | **2.18** (1.66-2.90) | **2.63** (1.94-3.60) | **3.31** (2.34-4.73) | **3.94** (2.69-5.83) |
| 3-hr | **0.414** (0.345-0.502) | **0.633** (0.527-0.767) | **0.954** (0.792-1.16) | **1.24** (1.02-1.53) | **1.69** (1.34-2.14) | **2.07** (1.61-2.68) | **2.49** (1.89-3.32) | **2.98** (2.20-4.07) | **3.71** (2.62-5.29) | **4.36** (2.98-6.44) |
| 6-hr | **0.563** (0.470-0.683) | **0.857** (0.713-1.04) | **1.28** (1.06-1.56) | **1.66** (1.37-2.04) | **2.23** (1.77-2.83) | **2.71** (2.11-3.51) | **3.24** (2.46-4.31) | **3.83** (2.83-5.24) | **4.72** (3.34-6.74) | **5.47** (3.74-8.10) |
| 12-hr | **0.679** (0.566-0.823) | **1.04** (0.868-1.26) | **1.57** (1.30-1.91) | **2.03** (1.67-2.49) | **2.73** (2.17-3.46) | **3.32** (2.58-4.30) | **3.96** (3.01-5.27) | **4.69** (3.46-6.41) | **5.76** (4.08-8.23) | **6.68** (4.56-9.88) |
| 24-hr | **0.794** (0.703-0.916) | **1.24** (1.09-1.43) | **1.87** (1.65-2.17) | **2.44** (2.13-2.84) | **3.28** (2.78-3.95) | **4.00** (3.32-4.91) | **4.78** (3.88-6.02) | **5.66** (4.47-7.32) | **6.98** (5.29-9.39) | **8.10** (5.94-11.3) |
| 2-day | **0.885** (0.783-1.02) | **1.39** (1.22-1.60) | **2.11** (1.86-2.44) | **2.74** (2.40-3.20) | **3.69** (3.13-4.44) | **4.49** (3.72-5.51) | **5.36** (4.35-6.74) | **6.33** (5.00-8.19) | **7.78** (5.90-10.5) | **9.00** (6.60-12.5) |
| 3-day | **0.928** (0.822-1.07) | **1.46** (1.29-1.68) | **2.22** (1.96-2.57) | **2.89** (2.53-3.38) | **3.89** (3.30-4.69) | **4.73** (3.93-5.82) | **5.66** (4.59-7.12) | **6.68** (5.27-8.64) | **8.20** (6.22-11.0) | **9.49** (6.96-13.2) |
| 4-day | **0.956** (0.847-1.10) | **1.50** (1.33-1.74) | **2.30** (2.02-2.66) | **2.99** (2.62-3.49) | **4.03** (3.41-4.85) | **4.90** (4.07-6.02) | **5.85** (4.75-7.36) | **6.91** (5.46-8.94) | **8.48** (6.43-11.4) | **9.81** (7.20-13.7) |
| 7-day | **1.02** (0.907-1.18) | **1.62** (1.44-1.87) | **2.48** (2.19-2.88) | **3.24** (2.84-3.78) | **4.37** (3.70-5.27) | **5.32** (4.41-6.53) | **6.35** (5.15-7.99) | **7.49** (5.91-9.68) | **9.18** (6.96-12.3) | **10.6** (7.77-14.7) |
| 10-day | **1.08** (0.954-1.24) | **1.71** (1.52-1.98) | **2.63** (2.32-3.04) | **3.44** (3.01-4.01) | **4.64** (3.93-5.59) | **5.64** (4.69-6.94) | **6.74** (5.47-8.48) | **7.95** (6.28-10.3) | **9.75** (7.39-13.1) | **11.3** (8.25-15.7) |
| 20-day | **1.17** (1.04-1.35) | **1.88** (1.66-2.17) | **2.91** (2.56-3.37) | **3.82** (3.34-4.45) | **5.18** (4.39-6.23) | **6.32** (5.24-7.76) | **7.56** (6.13-9.52) | **8.94** (7.06-11.6) | **11.0** (8.32-14.8) | **12.7** (9.30-17.6) |
| 30-day | **1.31** (1.16-1.51) | **2.11** (1.86-2.43) | **3.27** (2.88-3.78) | **4.31** (3.77-5.02) | **5.86** (4.97-7.06) | **7.17** (5.96-8.81) | **8.60** (6.98-10.8) | **10.2** (8.04-13.2) | **12.5** (9.50-16.9) | **14.5** (10.6-20.2) |
| 45-day | **1.43** (1.26-1.64) | **2.31** (2.04-2.66) | **3.60** (3.18-4.17) | **4.76** (4.17-5.56) | **6.52** (5.52-7.85) | **8.01** (6.65-9.84) | **9.64** (7.81-12.1) | **11.4** (9.03-14.8) | **14.1** (10.7-19.0) | **16.3** (12.0-22.7) |
| 60-day | **1.55** (1.37-1.78) | **2.51** (2.22-2.89) | **3.93** (3.46-4.54) | **5.21** (4.56-6.08) | **7.15** (6.06-8.61) | **8.80** (7.31-10.8) | **10.6** (8.62-13.4) | **12.6** (9.98-16.3) | **15.6** (11.8-21.0) | **18.1** (13.3-25.2) |

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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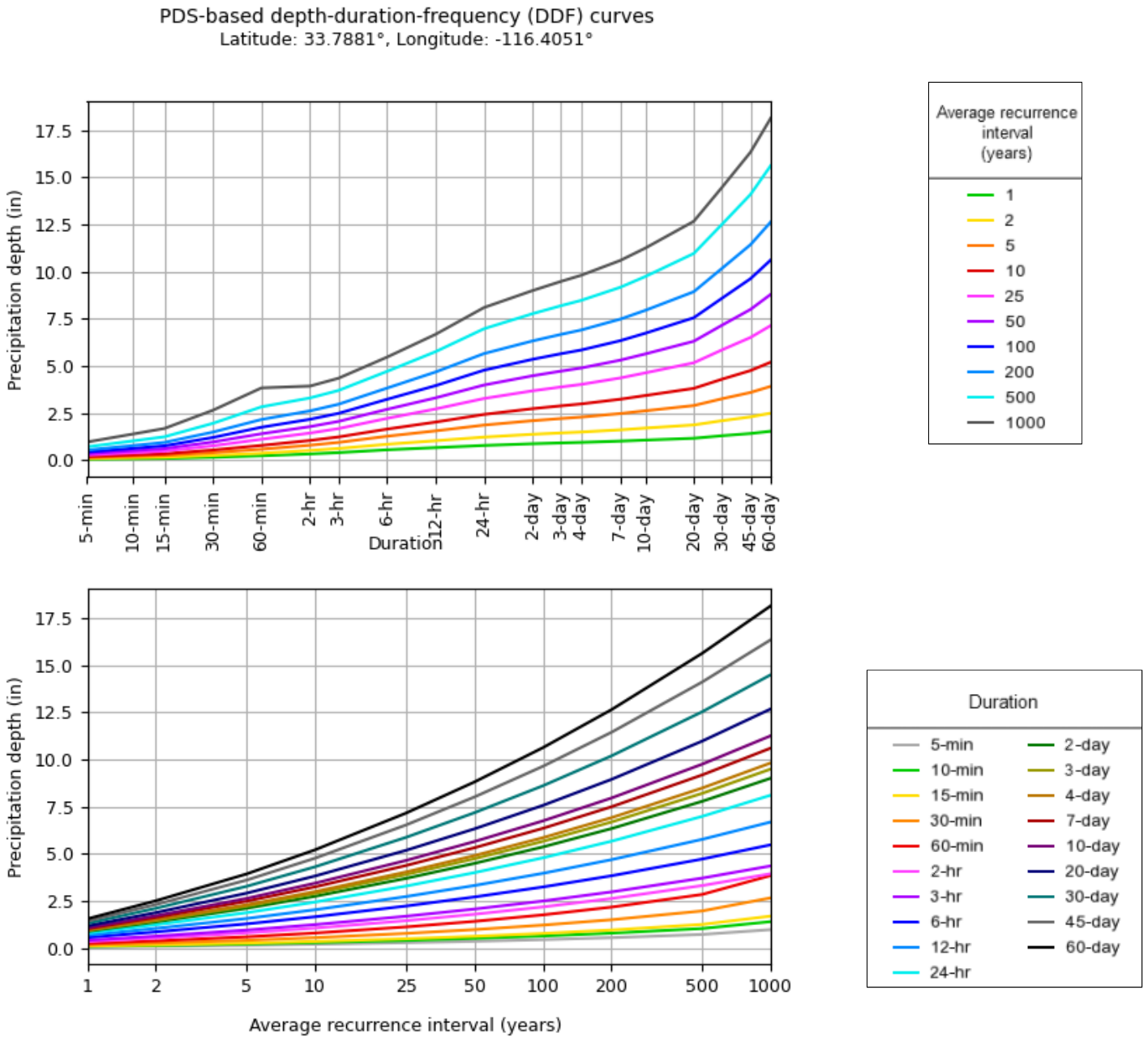
# PF graphical




NOAA Atlas 14, Volume 6, Version 2

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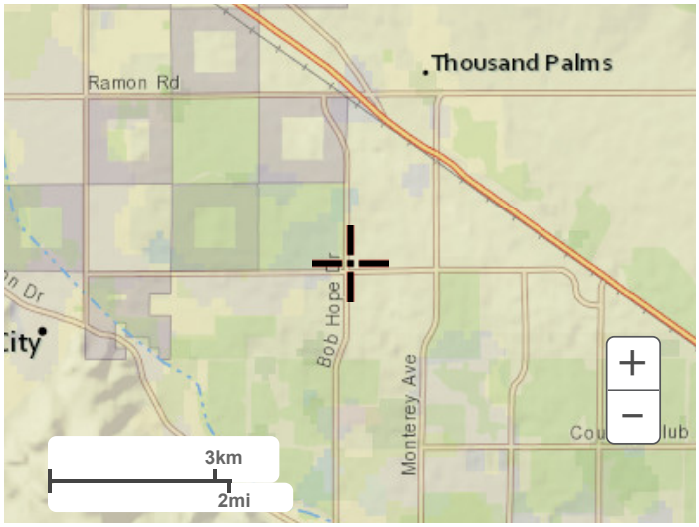
# Maps & aerials

### Small scale terrain




**Large scale terrain**


**Large scale map**


**Large scale aerial**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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC II

| Cover Type (3) | Quality of Cover (2) | Soil Group A | B | C | D |
|---|---|---|---|---|---|
| NATURAL COVERS - | | | | | |
| Barren (Rockland, eroded and graded land) | | 78 | 86 | 91 | 93 |
| Chaparrel, Broadleaf (Manzonita, ceanothus and scrub oak) | Poor | 53 | 70 | 80 | 85 |
| | Fair | 40 | 63 | 75 | 81 |
| | Good | 31 | 57 | 71 | 78 |
| Chaparrel, Narrowleaf (Chamise and redshank) | Poor | 71 | 82 | 88 | 91 |
| | Fair | 55 | 72 | 81 | 86 |
| Grass, Annual or Perennial | Poor | 67 | 78 | 86 | 89 |
| | Fair | 50 | 69 | 79 | 84 |
| | Good | 38 | 61 | 74 | 80 |
| Meadows or Cienegas (Areas with seasonally high water table, principal vegetation is sod forming grass) | Poor | 63 | 77 | 85 | 88 |
| | Fair | 51 | 70 | 80 | 84 |
| | Good | 30 | 58 | 72 | 78 |
| Open Brush (Soft wood shrubs - buckwheat, sage, etc.) | Poor | 62 | 76 | 84 | 88 |
| | Fair | 46 | 66 | 77 | 83 |
| | Good | 41 | 63 | 75 | 81 |
| Woodland (Coniferous or broadleaf trees predominate. Canopy density is at least 50 percent) | Poor | 45 | 66 | 77 | 83 |
| | Fair | 36 | 60 | 73 | 79 |
| | Good | 28 | 55 | 70 | 77 |
| Woodland, Grass (Coniferous or broadleaf trees with canopy density from 20 to 50 percent) | Poor | 57 | 73 | 82 | 86 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| URBAN COVERS - | | | | | |
| Residential or Commercial Landscaping (Lawn, shrubs, etc.) | Good | 32 | 56 | 69 | 75 |
| Turf (Irrigated and mowed grass) | Poor | 58 | 74 | 83 | 87 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| AGRICULTURAL COVERS - | | | | | |
| Fallow (Land plowed but not tilled or seeded) | | 76 | 85 | 90 | 92 |

**RCFC & WCD**
HYDROLOGY MANUAL

RUNOFF INDEX NUMBERS FOR PERVIOUS AREAS

PLATE E-6.1 (1 of 2)

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC II

| Cover Type (3) | Quality of Cover (2) | Soil Group A | B | C | D |
|---|---|---|---|---|---|
| AGRICULTURAL COVERS (cont.) - | | | | | |
| Legumes, Close Seeded (Alfalfa, sweetclover, timothy, etc.) | Poor | 66 | 77 | 85 | 89 |
| | Good | 58 | 72 | 81 | 85 |
| Orchards, Deciduous (Apples, apricots, pears, walnuts, etc.) | | See Note 4 | | | |
| Orchards, Evergreen (Citrus, avocados, etc.) | Poor | 57 | 73 | 82 | 86 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| Pasture, Dryland (Annual grasses) | Poor | 67 | 78 | 86 | 89 |
| | Fair | 50 | 69 | 79 | 84 |
| | Good | 38 | 61 | 74 | 80 |
| Pasture, Irrigated (Legumes and perennial grass) | Poor | 58 | 74 | 83 | 87 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| Row Crops (Field crops - tomatoes, sugar beets, etc.) | Poor | 72 | 81 | 88 | 91 |
| | Good | 67 | 78 | 85 | 89 |
| Small Grain (Wheat, oats, barley, etc.) | Poor | 65 | 76 | 84 | 88 |
| | Good | 63 | 75 | 83 | 87 |
| Vineyard | | See Note 4 | | | |

Notes:

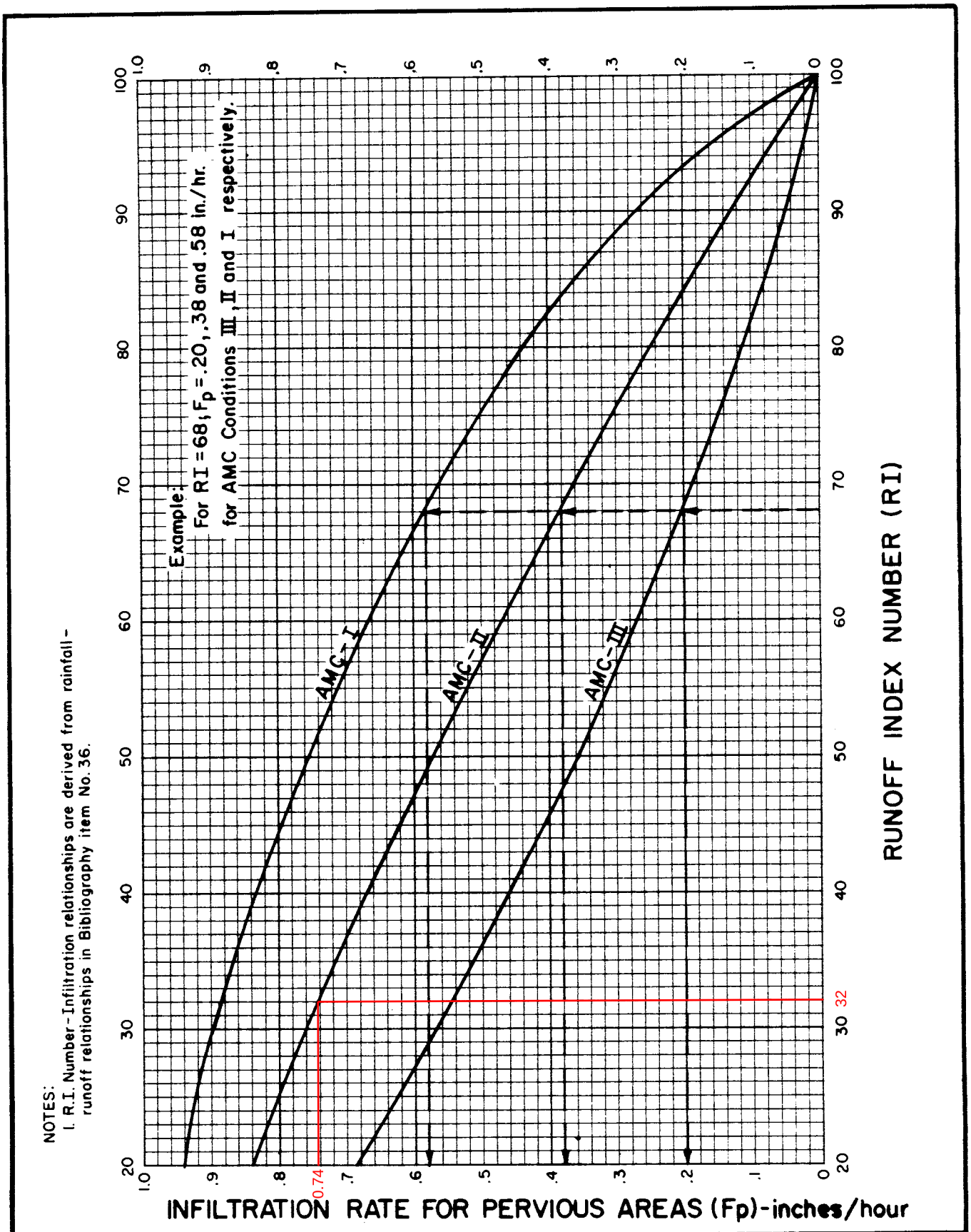
1. All runoff index (RI) numbers are for Antecedent Moisture Condition (AMC) II.

2. Quality of cover definitions:
   Poor-Heavily grazed or regularly burned areas. Less than 50 percent of the ground surface is protected by plant cover or brush and tree canopy.
   Fair-Moderate cover with 50 percent to 75 percent of the ground surface protected.
   Good-Heavy or dense cover with more than 75 percent of the ground surface protected.

3. See Plate C-2 for a detailed description of cover types.

4. Use runoff index numbers based on ground cover type. See discussion under "Cover Type Descriptions" on Plate C-2.

5. Reference Bibliography item 17.




**RCFC & WCD**

HYDROLOGY MANUAL

INFILTRATION RATE FOR PERVIOUS AREAS VERSUS RUNOFF INDEX NUMBERS

PLATE E-6.2

# APPENDIX F

## NATIONAL FLOOD HAZARD LAYER FIRMETTE

# National Flood Hazard Layer FIRMette

FEMA

116°24'37"W 33°47'32"N


116°24'W 33°47'2"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

*Basemap Imagery Source: USGS National Map 2023*

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/29/2023 at 12:46 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# APPENDIX G

## ADS STORMTECH UNDERGROUND STORAGE CHAMBERS PLANS

## User Inputs

| | |
|---|---|
| **Chamber Model:** | MC-3500 |
| **Outlet Control Structure:** | No |
| **Project Name:** | Skilled Nursing Facility |
| **Engineer:** | N/A |
| **Project Location:** | California |
| **Measurement Type:** | Imperial |
| **Required Storage Volume:** | 3500 cubic ft. |
| **Stone Porosity:** | 40% |
| **Stone Foundation Depth:** | 9 in. |
| **Stone Above Chambers:** | 12 in. |
| **Average Cover Over Chambers:** | 18 in. |
| **Design Constraint Dimensions:** | (21.75 ft. x 80 ft.) |

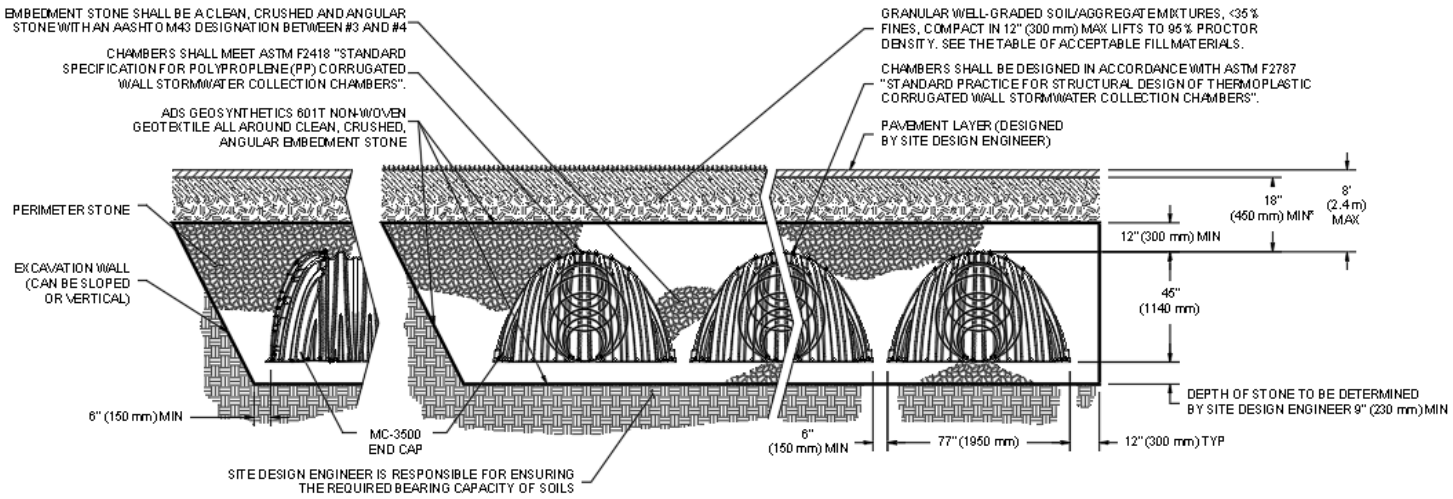
## Results

### System Volume and Bed Size

| | |
|---|---|
| **Installed Storage Volume:** | 3725.06 cubic ft. |
| **Storage Volume Per Chamber:** | 109.90 cubic ft. |
| **Number Of Chambers Required:** | 18 |
| **Number Of End Caps Required:** | 4 |
| **Chamber Rows:** | 2 |
| **Maximum Length:** | 74.18 ft. |
| **Maximum Width:** | 15.33 ft. |
| **Approx. Bed Size Required:** | 1137.45 square ft. |

### System Components

| | |
|---|---|
| **Amount Of Stone Required:** | 157 cubic yards |
| **Volume Of Excavation (Not Including Fill):** | 232 cubic yards |
| **Total Non-woven Geotextile Required:** | 435 square yards |
| **Woven Geotextile Required (excluding Isolator Row):** | 17 square yards |
| **Woven Geotextile Required (Isolator Row):** | 80 square yards |
| **Total Woven Geotextile Required:** | 97 square yards |
| **Impervious Liner Required:** | 0 square yards |



| PROJECT INFORMATION | |
|---|---|
| ENGINEERED PRODUCT MANAGER | |
| ADS SALES REP | |
| PROJECT NO. | |

Advanced Drainage Systems, Inc.

ADS SiteAssist™
FOR STORMTECH
INSTALLATION INSTRUCTIONS
VISIT OUR APP

# SKILLED NURSING FACILITY

## RANCHO MIRAGE, CA, USA

## MC-3500 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-3500.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

## IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

1. STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
9. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
10. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
11. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

## NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

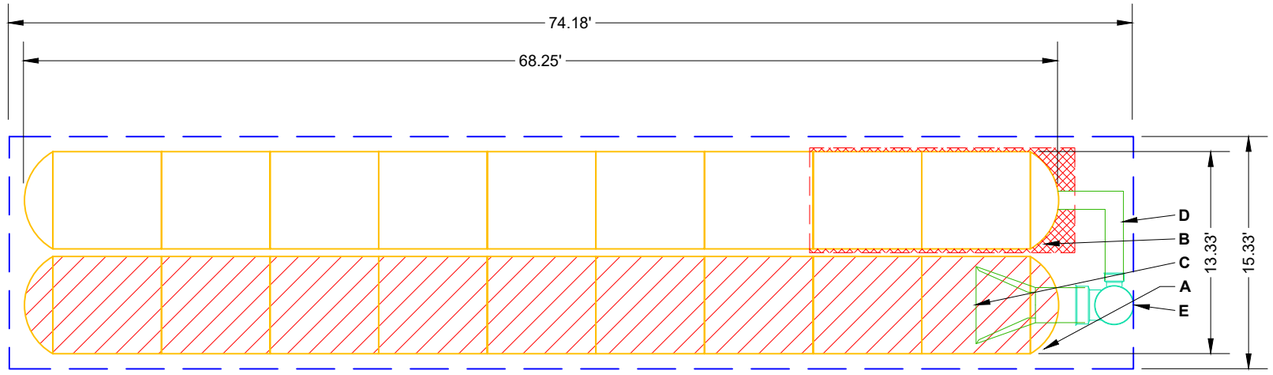
**USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.**

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

| PROPOSED LAYOUT | | CONCEPTUAL ELEVATIONS: | |
|---|---|---|---|
| 18 | STORMTECH MC-3500 CHAMBERS | MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED): | 12.50 |
| 4 | STORMTECH MC-3500 END CAPS | MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC): | 6.50 |
| 12 | STONE ABOVE (in) | MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC): | 6.00 |
| 9 | STONE BELOW (in) | MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT): | 6.00 |
| 40 | STONE VOID | MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT): | 6.00 |
| 3726 | INSTALLED SYSTEM VOLUME (CF)<br>(PERIMETER STONE INCLUDED)<br>(COVER STONE INCLUDED)<br>(BASE STONE INCLUDED) | TOP OF STONE: | 5.50 |
| | | TOP OF MC-3500 CHAMBER: | 4.50 |
| | | 12" x 12" TOP MANIFOLD INVERT: | 2.95 |
| | | 24" ISOLATOR ROW PLUS INVERT: | 0.92 |
| 1137 | SYSTEM AREA (SF) | BOTTOM OF MC-3500 CHAMBER: | 0.75 |
| 179.0 | SYSTEM PERIMETER (ft) | BOTTOM OF STONE: | 0.00 |

*INVERT ABOVE BASE OF CHAMBER

| PART TYPE | ITEM ON LAYOUT | DESCRIPTION | INVERT* | MAX FLOW |
|---|---|---|---|---|
| PREFABRICATED END CAP | A | 24" BOTTOM CORED END CAP, PART#: MC3500IEPP24BC / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS | 2.06" | |
| PREFABRICATED END CAP | B | 12" TOP CORED END CAP, PART#: MC3500IEPP12T / TYP OF ALL 12" TOP CONNECTIONS | 26.36" | |
| FLAMP | C | INSTALL FLAMP ON 24" ACCESS PIPE / PART#: MCFLAMP | | |
| MANIFOLD | D | 12" x 12" TOP MANIFOLD, ADS N-12 | 26.36" | |
| NYLOPLAST (INLET W/ ISO PLUS ROW) | E | 30" DIAMETER (24.00" SUMP MIN) | | 2.5 CFS IN |




ISOLATOR ROW PLUS
(SEE DETAIL)

PLACE MINIMUM 17.50' OF ADSPLUS175 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

**NOTES**

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

SKILLED NURSING FACILITY
RANCHO MIRAGE, CA, USA
DATE:
DRAWN: DP
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PROJECT #:

| DATE | DRW | CHK | DESCRIPTION |
|---|---|---|---|



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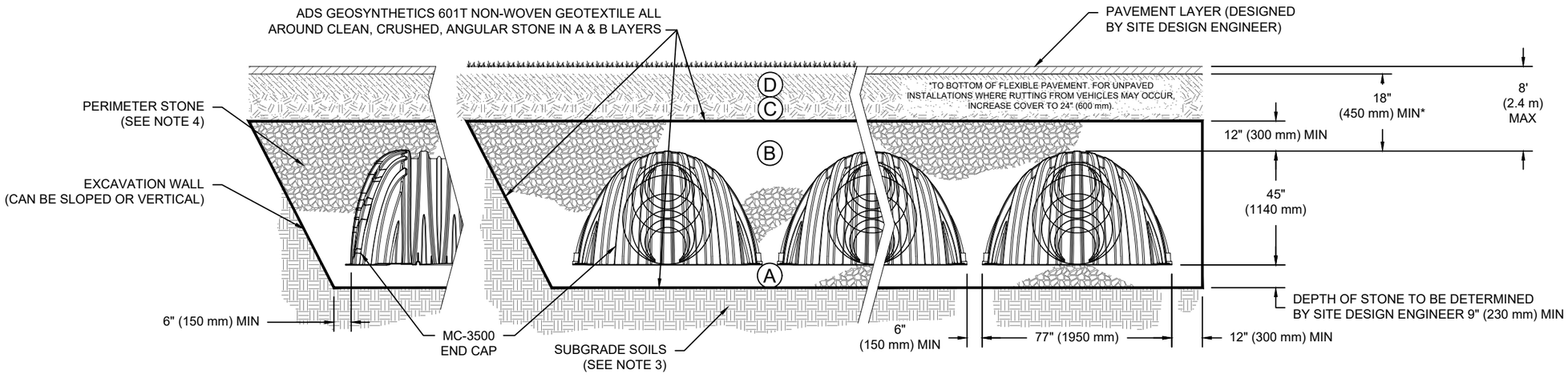
# ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

| MATERIAL LOCATION | | DESCRIPTION | AASHTO MATERIAL CLASSIFICATIONS | COMPACTION / DENSITY REQUIREMENT |
|---|---|---|---|---|
| D | **FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER | ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS. | N/A | PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS. |
| C | **INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER. | GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE.<br><br>MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER. | AASHTO M145[1]<br>A-1, A-2-4, A-3<br><br>OR<br><br>AASHTO M43[1]<br>3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10 | BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. |
| B | **EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE. | CLEAN, CRUSHED, ANGULAR STONE | AASHTO M43[1]<br>3, 4 | NO COMPACTION REQUIRED. |
| A | **FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER. | CLEAN, CRUSHED, ANGULAR STONE | AASHTO M43[1]<br>3, 4 | PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3] |

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.




## NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

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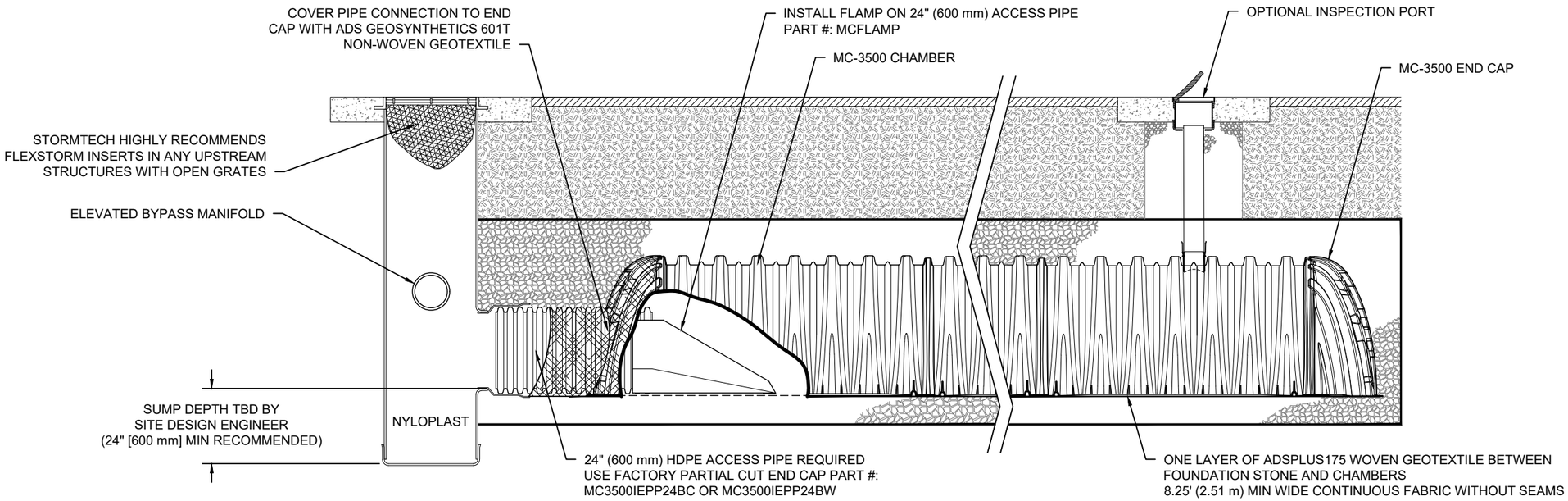


**MC-3500 ISOLATOR ROW PLUS DETAIL**
NTS

## INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

## NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.

2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

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# MC-3500 TECHNICAL SPECIFICATION

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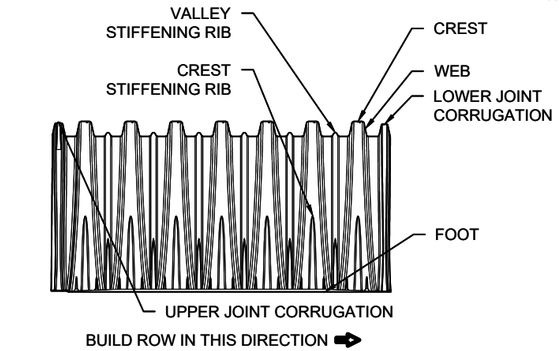


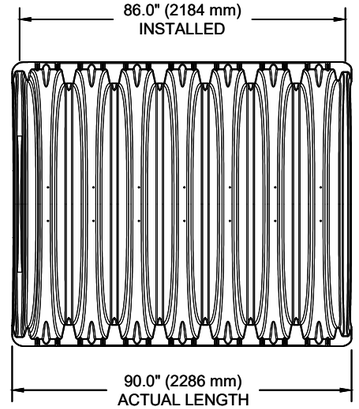


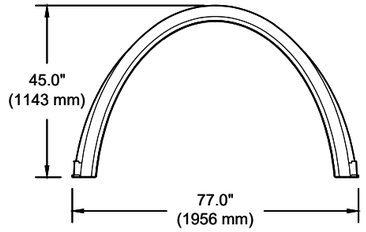


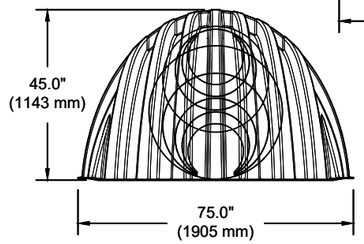


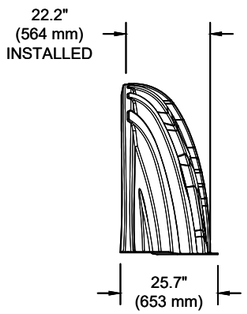


**NOMINAL CHAMBER SPECIFICATIONS**

| | | |
|---|---|---|
| SIZE (W X H X INSTALLED LENGTH) | 77.0" X 45.0" X 86.0" | (1956 mm X 1143 mm X 2184 mm) |
| CHAMBER STORAGE | 109.9 CUBIC FEET | (3.11 m³) |
| MINIMUM INSTALLED STORAGE* | 175.0 CUBIC FEET | (4.96 m³) |
| WEIGHT | 134 lbs. | (60.8 kg) |

**NOMINAL END CAP SPECIFICATIONS**

| | | |
|---|---|---|
| SIZE (W X H X INSTALLED LENGTH) | 75.0" X 45.0" X 22.2" | (1905 mm X 1143 mm X 564 mm) |
| END CAP STORAGE | 14.9 CUBIC FEET | (0.42 m³) |
| MINIMUM INSTALLED STORAGE* | 45.1 CUBIC FEET | (1.28 m³) |
| WEIGHT | 49 lbs. | (22.2 kg) |

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION, 6" SPACING BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

# MC-SERIES END CAP INSERTION DETAIL

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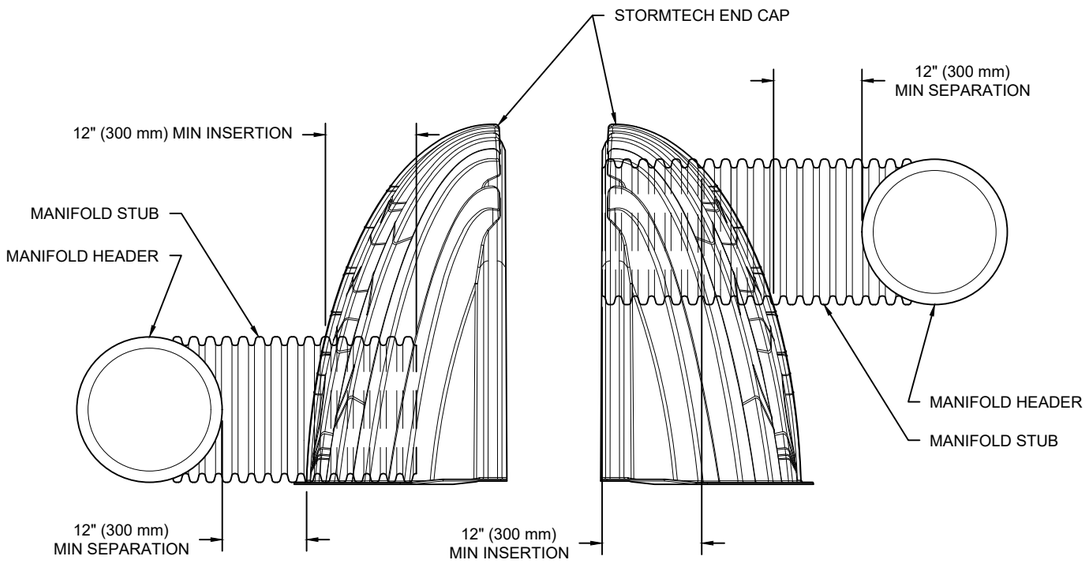
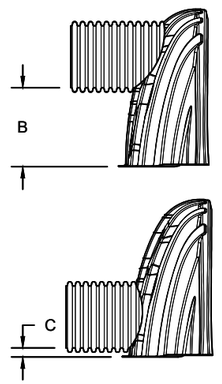



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A WELDED CROWN PLATE END WITH "C"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

| PART # | STUB | B | C |
|---|---|---|---|
| MC3500IEPP06T | 6" (150 mm) | 33.21" (844 mm) | --- |
| MC3500IEPP06B | | --- | 0.66" (17 mm) |
| MC3500IEPP08T | 8" (200 mm) | 31.16" (791 mm) | --- |
| MC3500IEPP08B | | --- | 0.81" (21 mm) |
| MC3500IEPP10T | 10" (250 mm) | 29.04" (738 mm) | --- |
| MC3500IEPP10B | | --- | 0.93" (24 mm) |
| MC3500IEPP12T | 12" (300 mm) | 26.36" (670 mm) | --- |
| MC3500IEPP12B | | --- | 1.35" (34 mm) |
| MC3500IEPP15T | 15" (375 mm) | 23.39" (594 mm) | --- |
| MC3500IEPP15B | | --- | 1.50" (38 mm) |
| MC3500IEPP18TC | 18" (450 mm) | 20.03" (509 mm) | --- |
| MC3500IEPP18TW | | | |
| MC3500IEPP18BC | | --- | 1.77" (45 mm) |
| MC3500IEPP18BW | | | |
| MC3500IEPP24TC | 24" (600 mm) | 14.48" (368 mm) | --- |
| MC3500IEPP24TW | | | |
| MC3500IEPP24BC | | --- | 2.06" (52 mm) |
| MC3500IEPP24BW | | | |
| MC3500IEPP30BC | 30" (750 mm) | --- | 2.75" (70 mm) |

NOTE: ALL DIMENSIONS ARE NOMINAL




CUSTOM PRECORED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

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# NYLOPLAST DRAIN BASIN

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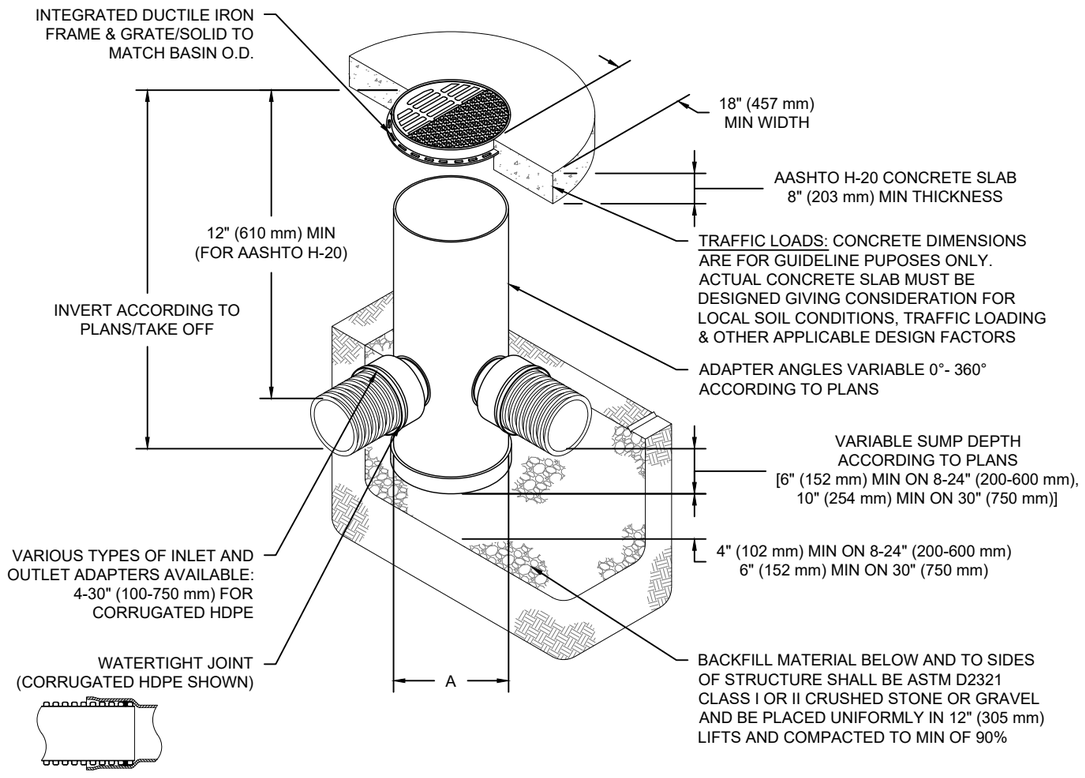


## NOTES

1. 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: **WWW.NYLOPLAST-US.COM**
6. TO ORDER CALL: **800-821-6710**

| A | PART # | GRATE/SOLID COVER OPTIONS | | |
|---|---|---|---|---|
| 8" (200 mm) | 2808AG | PEDESTRIAN LIGHT DUTY | STANDARD LIGHT DUTY | SOLID LIGHT DUTY |
| 10" (250 mm) | 2810AG | PEDESTRIAN LIGHT DUTY | STANDARD LIGHT DUTY | SOLID LIGHT DUTY |
| 12" (300 mm) | 2812AG | PEDESTRIAN AASHTO H-10 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |
| 15" (375 mm) | 2815AG | PEDESTRIAN AASHTO H-10 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |
| 18" (450 mm) | 2818AG | PEDESTRIAN AASHTO H-10 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |
| 24" (600 mm) | 2824AG | PEDESTRIAN AASHTO H-10 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |
| 30" (750 mm) | 2830AG | PEDESTRIAN AASHTO H-20 | STANDARD AASHTO H-20 | SOLID AASHTO H-20 |

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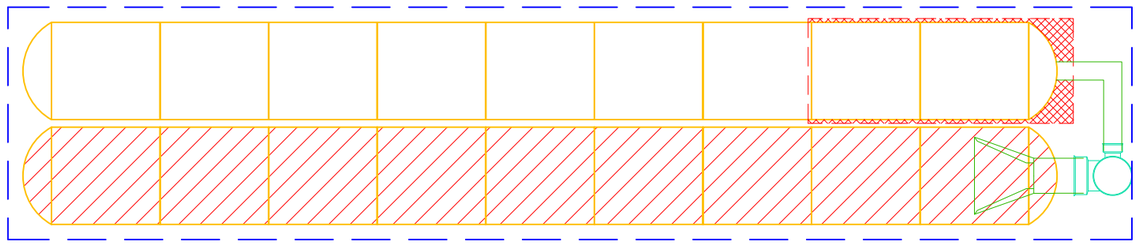

# Appendix G

AGREEMENTS – CC&RS, COVENANT AND AGREEMENTS, BMP MAINTENANCE AGREEMENTS AND/OR OTHER MECHANISMS FOR ENSURING ONGOING OPERATION, MAINTENANCE, FUNDING AND TRANSFER OF REQUIREMENTS FOR THIS PROJECT-SPECIFIC WQMP

**To be provided in Final WQMP**

# Appendix H

PHASE 1 ENVIRONMENTAL SITE ASSESSMENT – SUMMARY OF SITE REMEDIATION CONDUCTED AND USE RESTRICTIONS

N/A

# Appendix I

PROJECT-SPECIFIC WQMP SUMMARY DATA FORM

# Project-Specific WQMP Summary Data Form

| Applicant Information | |
|---|---|
| **Name and Title** | Todd Pitner, P.E. |
| **Company** | Michael Baker International |
| **Phone** | (949) 933-2552 |
| **Email** | todd.pitner@mbakerintl.com |
| **Project Information** | |
| **Project Name** (as shown on project application/project-specific WQMP) | Skilled Nursing Facility |
| **Street Address** | NEC Gerald Ford Drive and Bob Hope Drive |
| **Nearest Cross Streets** | Gerald Ford Drive and Bob Hope Drive |
| **Municipality** (City or Unincorporated County) | City of Rancho Mirage |
| **Zip Code** | 92270 |
| **Tract Number(s) and/or Assessor Parcel Number(s)** | 685-120-003, 685-120-004 |
| **Other** (other information to help identify location of project) | |

| **Indicate type of project.** | **Priority Development Projects (Use an "X" in cell preceding project type):** |
|---|---|
| | SF hillside residence; impervious area ≥ 10,000 sq. ft.; Slope ≥ 25% |
| | SF hillside residence; impervious area ≥ 10,000 sq. ft.; Slope ≥ 10% & erosive soils |
| **X** | Commercial or Industrial ≥ 100,000 sq. ft. |
| | Automotive repair shop |
| | Retail Gasoline Outlet disturbing > 5,000 sq. ft. |
| | Restaurant disturbing > 5,000 sq. ft. |
| | Home subdivision ≥ 10 housing units |
| **X** | Parking lot ≥ 5,000 sq. ft. or ≥ 25 parking spaces |

| | |
|---|---|
| **Date Project-Specific WQMP Submitted** | October 2023 |
| **Size of Project Area** (nearest 0.1 acre) | 5.4 |
| **Will the project replace more than 50% of the impervious surfaces on an existing developed site?** | No |
| **Project Area managed with LID/Site Design BMPs (nearest 0.1 acre)** | 5.4 |
| **Are Treatment Control BMPs required?** | No |
| **Is the project subject to onsite retention by ordinance or policy?** | Yes |
| **Did the project meet the 100% LID/Site Design Measurable Goal?** | Yes |
| **Name of the entity that will implement, operate, and maintain the post-construction BMPs** | Advanced Health Care |
| **Contact Name** | Jeffrey L. Gallon |
| **Street or Mailing Address** | 310 W. Park Lane |
| **City** | Farmington, UT 84025 |
| **Zip Code** | 84025 |
| **Phone** | TBD |
| **Space Below for Use by City/County Staff Only** | |
| **Preceding Information Verified by** (consistent with information in project-specific WQMP) | **Name:** **Date:** |
| **Date Project-Specific WQMP Approved:** | |
| **Data Entered by** | **Name:** **Date:** |
| **Other Comments** | |