

Appendix C – Biological Resources Supporting Information

Contains:

- 2014 California Red-Legged Frog Habitat Assessment (WRA Environmental Consultants)
- 2017 Verification of Absence of Sensitive Species and Habitat (WRA Environmental Consultants)
- 2020 Biological Report for Site Access and State Highway 25 Improvements (EMC Planning Group)
- 2022 Updated Biological Records Searches (AECOM)



July 3, 2014

Greg Ryan
Zanker Road Resource Management, Ltd.
675 Los Esteros Road
San Jose, CA 95134

RE: CALIFORNIA RED-LEGGED FROG HABITAT ASSESSMENT AT THE Z-BEST COMPOSTING FACILITY, SANTA CLARA COUNTY, CALIFORNIA

Dear Mr. Ryan,

The purpose of this letter is to provide a technical assessment of the potential habitat for the federally threatened California red-legged frog (*Rana draytonii*; CRLF) at the Z-Best Composting Facility located south of Gilroy in Santa Clara County, California (Study Area). Currently, under the proposed Santa Clara County HCP, the entirety of the existing facility is modeled as CRLF Secondary Habitat, with the existing industrial detention basin in the southern portion of the facility modeled as CRLF Primary Habitat. Based on an assessment of the Study Area and a focused CRLF day/night survey performed on June 9, 2014, it is WRA's opinion that the Study Area is not suitable CRLF aquatic or upland habitat.

Study Area Overview

Z-Best is proposing to expand compost processing operations into 28 acres of an 80-acre parcel east of the current operational footprint (see attached figure), as well as complete improvements to their existing composting operations on the 77-acre Area 1. Expansion into Area 2 will not increase the quantity of composted materials. Instead, the proposed expansion is intended to create a more efficient operation.

The Study Area is located in southern Santa Clara County and is bordered to the north by Highway 25, and the vast majority of land use surrounding the Study Area is actively irrigated row-crop agriculture. The southeastern corner of the Study Area abuts the Pajaro River and in a general context is located between the Pajaro and Carnadero Creek.

The Study Area is bisected by a north-south irrigation ditch that originates north of Highway 25 and terminates in a perpendicular confluence with a roughly east-west trending irrigation ditch along the southern property boundary. This east-west irrigation ditch receives agricultural irrigation run-off from the south and flows between the Pajaro River and Carnadero Creek. These ditches are maintained for storm-water and are only wetted immediately after storm-events and after extensive irrigation on the fields to the south of the Study Area.

The western half of the Study Area supports Z-Best's current composting operations, which largely consist of compost wind-rows in various stages of the composting process. The northwestern corner supports a warehouse, weigh-station and administrative offices. The southern portion of the western Study Area supports a large industrial detention basin, from

which water is pumped in support of the composting process. This basin does not drain into any adjacent waterbodies except in extreme flood events.

The detention basin receives input from three sources; seasonal rainfall, occasional groundwater added to maintain the pond-level, and primarily from compost leachate. Water is circulated (pumped) from the pond and applied to the compost to facilitate in the decomposition process. A byproduct of this process is leachate, a dark brown liquid that seeps out from the compost and is directed back into this basin via informal channels or overland run-off. Aside from input from rainwater and groundwater, this is a closed-loop process and the leachate continues to concentrate in the pond as it is re-applied to the wind-rows, and drains back into the detention basin.

Species Information

Historically CRLF extended along the coast of Marin County and inland from Shasta County southward to northwestern Baja California in Mexico (Jennings and Hayes 1994). According to the U.S. Fish and Wildlife ruling to designate Critical Habitat for CRLF (2006); there are four Primary Constituent Elements (PCEs) considered to be essential for the conservation of the species (USFWS 2006):

- Aquatic breeding habitat;
- Non-breeding aquatic habitat for foraging and shelter;
- Upland habitat for foraging; and
- Dispersal habitat for movement to other breeding habitats.

Aquatic breeding habitat consists of low-gradient freshwater bodies, including natural and manmade (e.g., stock) ponds, backwaters within streams and creeks, marshes, lagoons, and dune ponds. Aquatic breeding habitat must hold water for a minimum of 20 weeks in most years. Aquatic non-breeding habitat may or may not hold water long enough for this species to hatch and complete its aquatic life cycle, but it provides shelter, foraging, predator avoidance, and aquatic dispersal for juvenile and adult CRLF. Non-breeding aquatic features enable CRLF to survive drought periods (USFWS 2006). Upland habitats include areas within 200 feet of aquatic and riparian habitat and are composed of grasslands, woodlands, and/or vegetation that provide shelter, forage, and predator avoidance (USFWS 2006). Dispersal habitat includes accessible upland or riparian habitats between occupied locations within 0.7 mile of each other that allow for movement between these sites. Dispersal habitat includes various natural and altered habitats such as agricultural fields, which do not contain barriers to dispersal. Moderate to high-density urban or industrial developments, large reservoirs and heavily traveled roads without bridges or culverts are considered barriers to dispersal (USFWS 2006).

Habitat Assessment

There are numerous known occurrences of CRLF within five miles of the Study Area (CNDDDB 2014), though it is worthwhile to note that all but one of these occurrences are from stock ponds or sag ponds within undeveloped rangeland, and not from the areas dominated by active farming. No designated Critical Habitat occurs within five miles of the site. The Study Area is discussed in additional detail below in the context of the four PCEs for CRLF:

Aquatic Breeding Habitat

The Pajaro River corridor is located in the far southeast portion of the Study Area, although no records of CRLF have been documented along the Pajaro River within 1.7 miles of the Study Area, these areas are hydrologically connected, therefore the presence of CRLF cannot be ruled out. Within the context of the proposed Project, the potential for CRLF being present along the Pajaro River is not being disputed, but is analyzed below for completeness.

The Pajaro in the vicinity of the Study Area is relatively low-gradient and has banks that support dense stands of native and non-native riparian vegetation. The result is a relatively complex river system that contains backwater and slackwater areas that are potentially suitable for CRLF breeding. However because of the timing of seasonal high-flows and corresponding high water-velocity and the known presence of fish predators (e.g. steelhead), it is likely that reproductive success of CRLF along the Pajaro River is very low. In the greater vicinity of the Study Area, stock ponds and sag ponds offer higher quality aquatic breeding habitat.

The irrigation ditches within the Study Area are wholly unsuitable as aquatic breeding habitat for CRLF. These ditches are maintained for storm-water and irrigation run-off. As such, they have a trapezoidal shaped channel and are maintained free of vegetation. These channels only convey water immediately following storm-events and during heavy irrigation of the surrounding fields. They lack the depth and hydroperiod to support CRLF breeding or larval development. As verified during the June 9, 2014 site-visit, the hydrology of the ditch that runs along the southern property boundary cycles between wet and dry as often as daily during the growing season, as crops are irrigated during the day and not at night. The north-south ditch was entirely dry and likely only conveys water during major storm events.

The detention basin in the southern portion of the Study Area serves as the primary recipient of the resultant leachate from the composting process. It is pumped and recycled continuously, such that the leachate concentrates in the detention pond. The result is that the water observed at the detention basin during the June 9, 2014 site visit is highly turbid (nearly black) with dissolved organic materials. The water is also strongly odiferous with volatile organic compounds, such as ammonia.

Water samples were recently taken (John Doyle, pers.comm. 7/1/2014) and are currently being analyzed. However based on the observed condition and my extensive experience with CRLF and its habitats, the biotic and abiotic conditions of the pond are unsuitable for CRLF to complete its lifecycle.

The observed turbidity alone would be likely to preclude sufficient light penetration into the water column to allow for the growth of periphyton, the preferred food for CRLF larvae. The anaerobic processes that result in the production of volatile organic compounds such as ammonia suggest that dissolved oxygen levels are insufficient for the development of CRLF eggs and larvae. Additionally, during the June 9, 2014 survey, no amphibians of any species, including the ubiquitous Pacific chorus frog (*Pseudacris regilla*) were observed. In fact, in all likelihood, the detention basin within the Study Area is likely a population sink for amphibians.

Non-breeding Aquatic Habitat

The Pajaro River and Carnaderos Creek are the only aquatic features in the vicinity that provide perennial or seasonal hydration and foraging habitat for CRLF. The irrigation ditches are maintained to be free of vegetation, which eliminates any structural protection from predators or availability of food resources. Additionally, the irrigation ditches do not provide reliable hydration habitat as only the east-west channel along the southern property boundary contains water and only immediately following heavy irrigation of the adjacent fields. The north-south ditch that bisects the Study Area only conveys water immediately after storm events.

As discussed in more detail above, the detention basin located within the southern portion of the Study Area likely acts as a population sink for CRLF and other amphibians. The unfavorable water quality certainly limits the availability of invertebrate prey, which was confirmed during the June 9th site-visit. No emergent aquatic invertebrates (dragonflies, damselflies, mayflies, caddisflies, stoneflies), or evidence of these taxa (molt casts left over my metamorphosing invertebrates) were observed. It is likely that the biotic and abiotic processes occurring at the detention basin severely limits the food web needed to support CRLF, in both quantity and diversity. Additionally, since the banks of the detention basin are nearly completely devoid of emergent aquatic vegetation, small mammal burrows, leaf litter or other structural habitat components, the pond or its immediate surrounds does not provide CRLF with suitable cover from terrestrial or avian predators.

Upland Habitat

Suitable upland habitat for CRLF typically consists of structural components where CRLF can shelter in the short-term to avoid predation, buffer against thermal extremes (both hot and cold), provide hydration, and offer foraging opportunities. Upland habitat may also provide opportunities for long-term aestivation, where CRLF can shelter during unfavorable conditions (drought, low prey availability, etc.). Examples of suitable upland habitat features include; burrows, leaf-litter, root-balls, deep desiccation cracks, dense vegetation (e.g. blackberry tickets), or structures (e.g. rocks, woody debris) to shelter under. The Study Area is nearly devoid of such features.

The irrigation ditches are maintained free of vegetation, and do not support either burrows or leaf-litter. The banks of the detention basin support ornamental trees, but the ground itself is completely bare, maintained free of low-growing vegetation, and lacks burrows, desiccation cracks, rocks or woody debris that could provide shelter to CRLF. The undeveloped eastern portion of the Study Area is disked annually and does not support perennial vegetation or burrows of other habitat components capable of supporting short or long-term occupancy of CRLF.

The only suitable upland habitat for CRLF within the Study Area is in the extreme southeastern corner, within the Pajaro River riparian corridor. The vegetation cover and structure, presence of leaf-litter, root-balls and low-growing vegetation (e.g. blackberry and cape-ivy), provide ideal cover for CRLF. Additionally, the abundance diversity of plants and presence of standing water foster a food web suitable to support CRLF.

Dispersal Habitat

Both Carnadero Creek and the Pajaro River support documented occurrences of CRLF downstream of the Study Area (CNDDDB 2014), and since the Study Area is located between these two waterways, overland dispersal between them cannot be ruled out. Any dispersal of CRLF between Carnadero Creek and the Pajaro River would most likely occur via the network of existing irrigation ditches.

Overland movements through the Study Area would likely only occur during storm events when the rains prompt CRLF to disperse or migrate to aquatic breeding sites. Movements across the uplands of the Study Area, such as the open, disked field that makes up the entirety of the eastern half of the site, would expose these individuals to avian (e.g. corvids), terrestrial (e.g. raccoons and skunks) and feral (e.g. cats) predators.

Additionally, dispersing individuals would encounter and fall into one of the several perpendicular irrigation ditches located between the Pajaro River and Carnaderos Creek. Because of the loose soils and steep banks, it is likely that dispersing individuals would be unable to climb out and would be forced to continue along the bottom of the ditches until it reaches its destination, desiccates, or is predated.

Conclusions and Recommendations

Though it is known that both the Pajaro River and Carnaderos Creek in the vicinity of the Study Area support CRLF, the ongoing agricultural uses of the lands between these waterways and south of Highway 25 has rendered these areas unsuitable for CRLF, and likely create a population sink for this species.

The created detention basin in the southern portion of the Study Area is used as part of the industrial composting process and concentrates leachate, the anaerobic byproduct of the composting process. In my ten years of experience surveying and assessing habitat for CRLF, this detention basin is perhaps the worst aquatic feature that I have ever surveyed for CRLF. Results of the water quality sampling are expected back shortly, but based on the observed biotic and abiotic conditions, the detention basin is unsuitable to support this species, and in all likelihood any amphibians attempting to utilize this detention basin as habitat succumb to acute or chronic toxicity or disease, as evidenced by the complete absence of amphibians observed during the June 9 assessment and survey.

Based on the proposed placement of the Z-Best Facility expansion, it is in my professional opinion that no CRLF aquatic or upland habitat will be impacted and the conversion of the disked field in the eastern portion of the Study Area to create additional compost wind-rows will not create any additional barriers to CRLF dispersal.

Please do not hesitate to contact me if you have any questions or if you require any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rob Schell', written in a cursive style.

Rob Schell - Herpetologist and Wildlife Biologist

Literature Cited

Jennings, M.R. and M.P. Hayes. 1994. Amphibian and reptile species of special concern in California. Final Report to the California Department of Fish and Game, Inland Fisheries Division, Rancho Cordova, CA.

U.S. Fish and Wildlife Service. (USFWS). 2006. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the California Red-Legged Frog, and Special Rule Exemption Associated With Final Listing for Existing Routine Ranching Activities; Final Rule. Federal Register 71: 19244-19346.

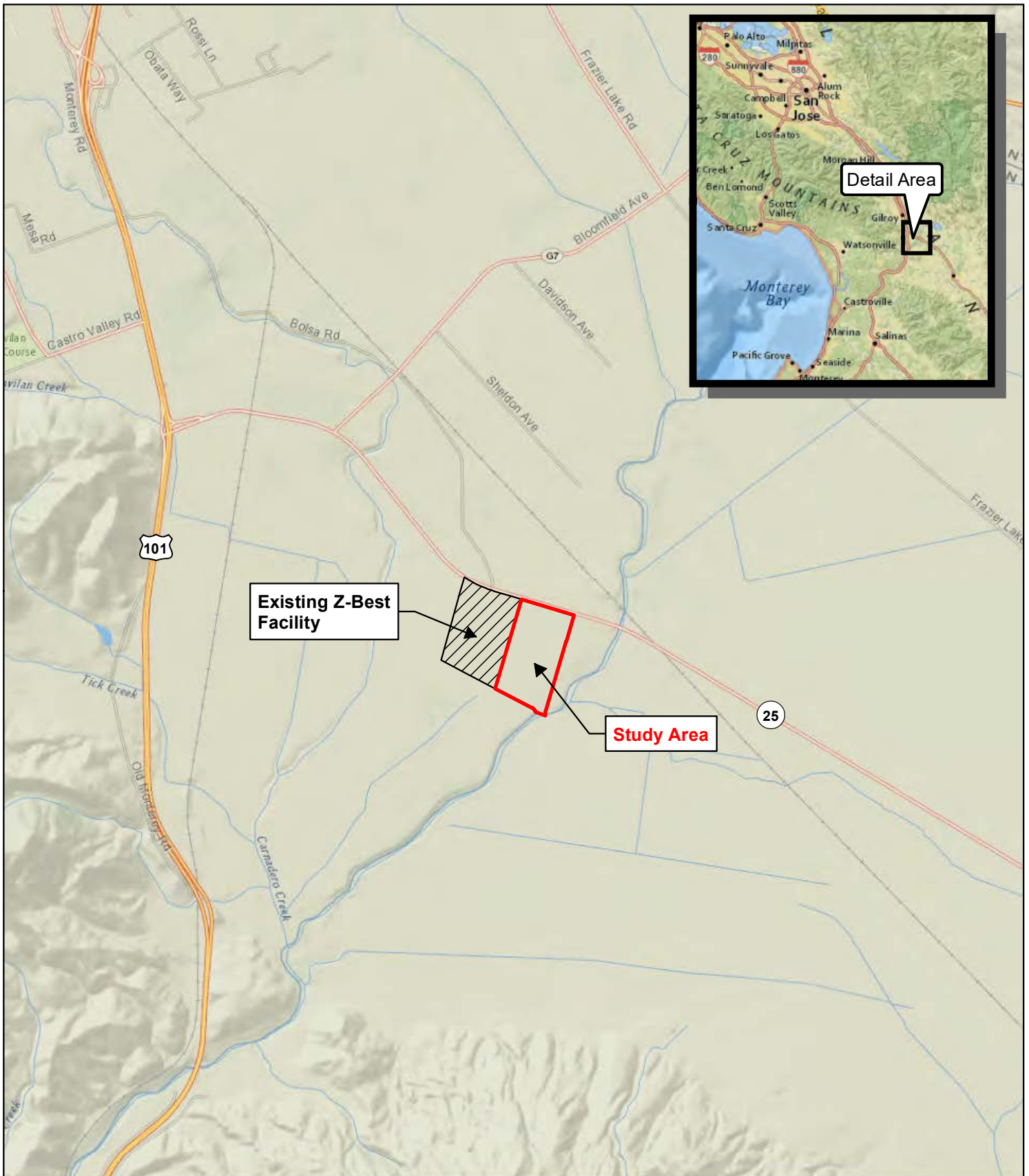
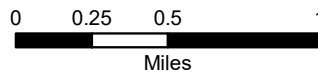


Figure 1. Study Area Location Map

Z-Best Composting
 Santa Clara County, California



Map Date: June 2013
 Map By: Derek Chan
 Base Source: ESRI/National Geographic

Memorandum

To: John Doyle, Zanker Road Management

Subject: Z-Best Composting Facility Modification: Verification of Absence of Sensitive Species and Habitat Covered by the SCVHP

Date: February 27, 2017

This memo addresses item number 14 in the County Response [File 6498-16PA – Pre-application Summary for Use Permit Modification for Z- Best's Composting Facility located at 980 State Highway, Gilroy (APN 841-37-028, 841- 37-029)]. This memo discusses the presence of sensitive species and habitats covered by the Santa Clara Valley Habitat Plan for the Z-Best Compost Products Composting Facility Aerated Static Pile Project (Santa Clara County File 6498-16P4) in support of the Santa Clara Valley Habitat Plan Coverage Screening Form (enclosed).

The proposed project is located at 980 State Highway, Gilroy, Santa Clara County, California (APNs 841-37-028 and 841-37-029). The proposed project includes construction of an Engineered Compost Systems (ECS) aerated floor at the location of the current composting facility. The foot print of the project is shown in the Proposed Site Plans (Golder Associates Project 133-97640).

Existing Conditions

The proposed project footprint is located entirely within an existing developed and active composting facility area, designated as “agriculture developed” land cover type and occurs in “Urban Area” Land Cover Fee Zone. Currently the area is disturbed and processed regularly with movement of soils and composting material and foot and equipment traffic. Little to no general wildlife habitat value lies within the composting facility as there is no vegetation and disturbance is high. The Agency HCP Geobrowser website designates a “grain, row-crop, hay and pasture, disked/short-term fallowed” and “pond” land cover types immediately south of the proposed project footprint and “permanent development area.”

A stormwater control feature (detention basin) lies to the south of the project area and is categorized as “pond” by the Agency HCP geobrowser. However, this feature provides little habitat for wildlife. An assessment of the basin for its value as wildlife habitat was conducted by WRA in 2014. No amphibians of any species were observed during the field visits to the detention basin. No emergent aquatic invertebrates (dragonflies, damselflies, mayflies, caddisflies, stoneflies), or evidence of these animals (molt casts left over by metamorphosing invertebrates) were observed. It is likely that the biotic and abiotic processes occurring at the detention basin severely limits the food web needed to support any wildlife, in both quantity and diversity. Additionally, no emergent vegetation was observed at the detention basin. Because

the banks of the detention basin are nearly completely devoid of emergent aquatic vegetation or other structural habitat components, the basin and its immediate surroundings provide little suitable nesting habitat for birds, and no suitable nesting habitat for tricolored blackbird (*Agelaius tricolor*). A row of planted trees separates the basin and a lay-down yard from the exiting composting activities to the north. Given that this row of trees is narrow and surrounded by composting facility activities, it is unlikely to support special-status species and would not be considered a sensitive habitat as defined by the HCP. An analysis of aerial photographs (Google Earth 2017) shows that conditions in the detention basin has not changed since 2014.

The detention basin serves as the primary recipient of the resultant leachate from the composting process. It is pumped and recycled continuously, such that the leachate concentrates in the detention basin. The result is that the water observed at the detention basin is highly turbid (nearly black) with dissolved organic materials. Even though the basin is mapped as sensitive pond habitat on the HCP Geobrowser, it is in the opinion of WRA that the stormwater control feature has no potential to support aquatic wildlife species. In addition, potential for special status birds and other wildlife is very low due to lack of emergent vegetation.

WRA has assessed that the detention basin would not meet the definition of a “waters of the United States” because it is a stormwater control feature constructed to convey, treat, or store stormwater that was created in dry land (33 CFR 328.3).

A “grain, row-crop, hay and pasture, disked/short-term fallowed” area is located south of the proposed project and west of the basin. It is now being used as a lay-down or staging yard with little to no substantial habitat value and could likely be re-characterized as “agriculture developed” instead of the existing cover type. A field survey by WRA biologists to verify this finding and document it may be necessary.

The project footprint, including the “permanent development area” is expected to occur only within the existing developed composting facility, and will be more than 100 feet from the detention basin and lay-down/staging yard. Therefore, the project will be outside any land cover fee zone subject to the HCP. While the “permanent development area” will encroach into the neighboring parcel to the west, which is categorized as “grain, row-crop, hay and pasture, disked/short-term fallowed” land cover type, the land would not be included within the development area per the HCP (Chapter 6, Page 6-31):

Plans do not need to show buffer areas (50 feet for permanent improvements and 10 feet for temporary improvements) that cross property boundaries (e.g., a house 30 feet from a property line only needs to show the buffer area up to the property line).

This brief analysis assumes that no fees will be paid based on the neighboring properties.

Conclusion

The “permanent development area” (project footprint plus a 50-foot buffer) of the proposed project is designed to be located 50 feet from any potential sensitive land cover types and therefore will not impact sensitive land cover types or covered species, specifically the pond and tricolored blackbird survey areas. The project is not a covered project under the Habitat Plan and no additional actions regarding the Habitat Plan is needed

Please contact me at 415.524.7205 or email at avent@wra-ca.com if you need more clarification or if you have questions.

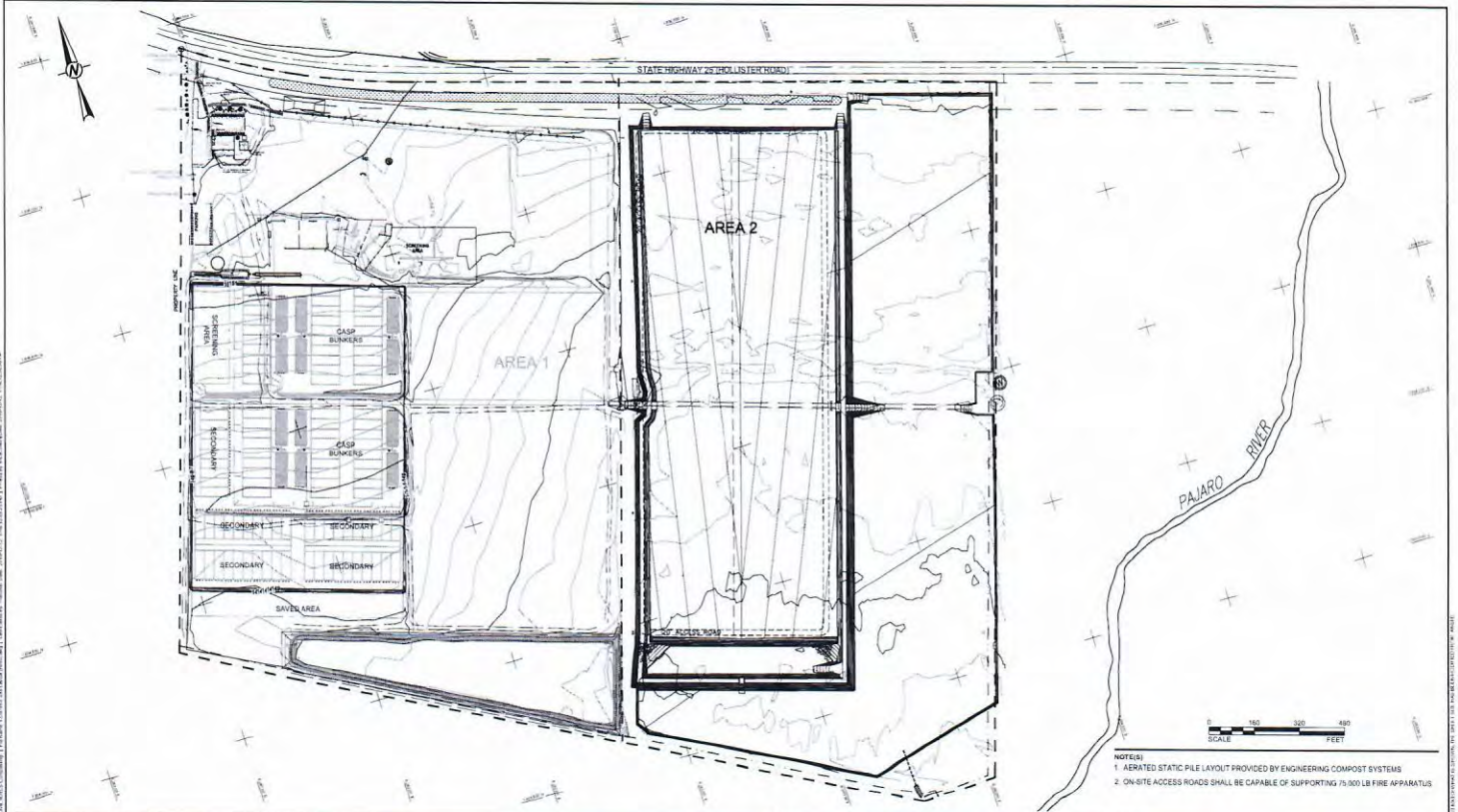
Sincerely,

A handwritten signature in blue ink, appearing to read 'S. Avent', with a long horizontal flourish extending to the right.

Sean Avent
Associate Biologist

Enclosure: 1) Proposed Site Plans (Golder Associates Project 133-97640)
 2) Santa Clara Valley Habitat Plan Coverage Screening Form

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- NOTES:
1. AERATED STATIC PILE LAYOUT PROVIDED BY ENGINEERING COMPOST SYSTEMS
 2. ON-SITE ACCESS ROADS SHALL BE CAPABLE OF SUPPORTING 75,000 LB FIRE APPARATUS

REV	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED

CLIENT
Z-BEST COMPOST PRODUCTS
 COMPOSTING FACILITY
 GILROY, CALIFORNIA

CONSULTANT
zanker ARCHITECTS ENGINEERS
 SUNNYVALE
 425 LAKESIDE DRIVE
 SUNNYVALE, CALIFORNIA 94085
 USA
 (415) 498-2222
 www.zanker.com

PROJECT
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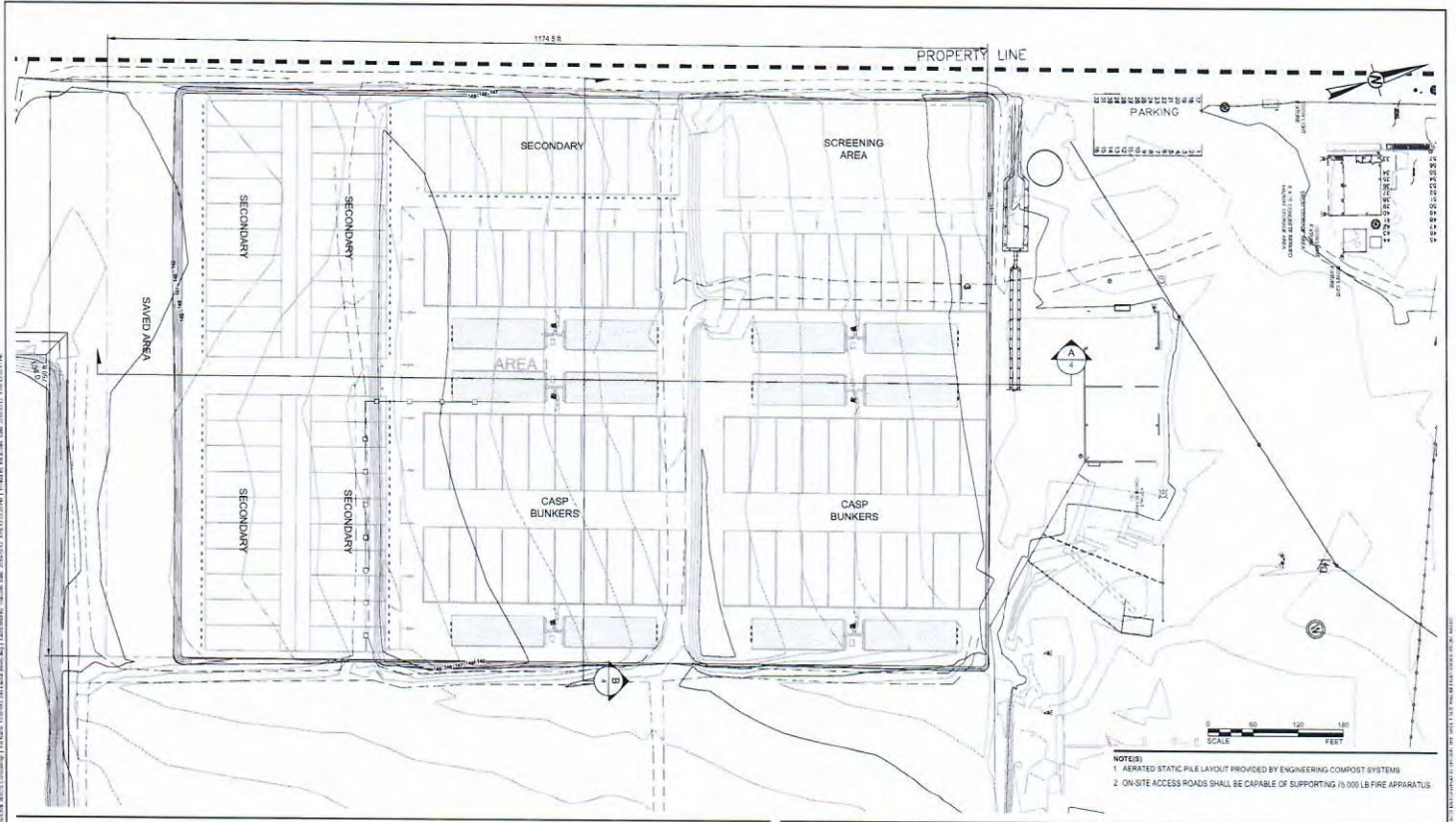
TITLE
PROPOSED SITE PLAN

PROJECT NO
 133-97640

REV 01 DRAWING
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- NOTES:
1. AERATED STATIC PILE LAYOUT PROVIDED BY ENGINEERING/COMPOST SYSTEMS
 2. ON-SITE ACCESS ROADS SHALL BE CAPABLE OF SUPPORTING 75,000 LB FIRE APPARATUS

PROJECT
AERATED STATIC PILE PERMIT PACKAGE

TITLE
COMPOSTING PAD GRADING PLAN

PROJECT NO
133-97640

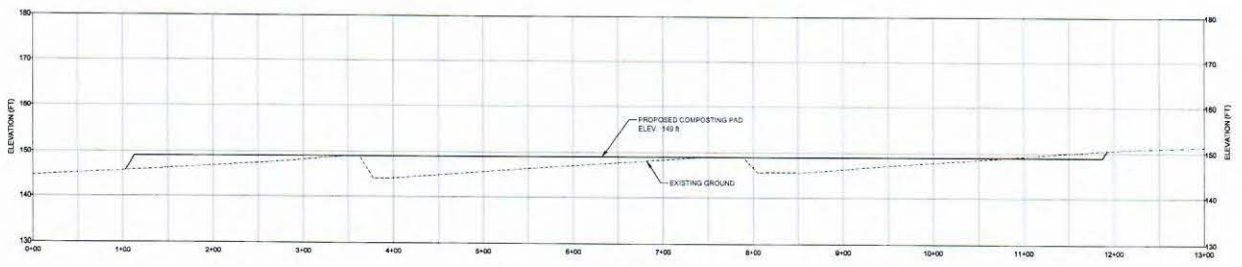
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REV	YYYYMMDD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED

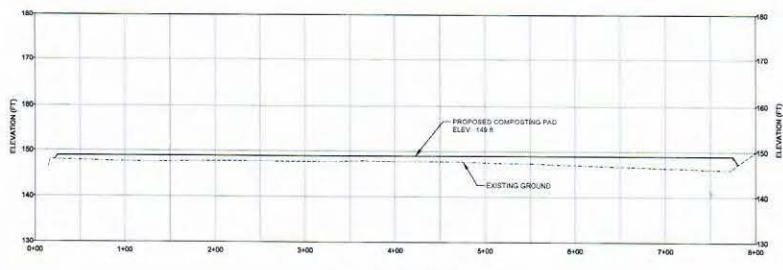
CLIENT
Z-BEST COMPOST PRODUCTS
COMPOSTING FACILITY
GILROY, CALIFORNIA

CONSULTANT
Golden Associates

zanker engineers architects interior design
SUNNYVALE
450 LAKEVIEW DRIVE
SUNNYVALE, CALIFORNIA 94089
USA
[+1] 408 220-9223
www.zanker.com



HORIZ SCALE 1"=40'
VERT SCALE 1"=10'
A SECTION A-A



HORIZ SCALE 1"=40'
VERT SCALE 1"=10'
B SECTION B-B

REV	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED

CLIENT
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Golden Associates

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SUNNYVALE
425 LAKEVIEW DRIVE
SUNNYVALE, CALIFORNIA 94085
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PROJECT
AERATED STATIC PILE PERMIT PACKAGE

TITLE
SECTIONS

PROJECT NO.
133-97640

REV. OF
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SANTA CLARA VALLEY
HABITAT AGENCY



- City of Gilroy
- City of Morgan Hill
- City of San José
- County of Santa Clara
- Santa Clara Valley Water District
- Santa Clara Valley Transportation Authority



Santa Clara Valley Habitat Plan COVERAGE SCREENING FORM

Habitat Plan Application File Number
(Assigned by jurisdiction)

Planning Office File Number
(Assigned by jurisdiction)

To determine if a project is eligible for coverage under the Santa Clara Valley Habitat Plan ("Habitat Plan"), complete and submit this form to the planning or building office of the applicable local jurisdiction (County of Santa Clara, City of Gilroy, City of Morgan Hill, or City of San José) as soon as possible in the development process.

This form is used to evaluate if a private development project located within the Habitat Plan Permit Area is classified as a "covered project" under the Habitat Plan. Certain projects within the Habitat Plan Permit Area may **not** be covered projects under the Habitat Plan due to their location and size. This form is used to determine one of two conclusions and courses of action regarding a proposed project:

(1) A project **is not** a covered project under the Habitat Plan. Submit this form to the applicable local jurisdiction. No additional action regarding the Habitat Plan is needed.¹

(2) A project **is** a covered project under the Habitat Plan. Submit this form to the applicable planning or building office along with the Application for Private Projects when submitting applications for planning approvals.

1. Project Type (subdivision, conditional use permit, etc.) Compost Facility

2. Project Location (address / Assessor's Parcel Number) 980 State Highway 25, Gilroy / APN's 84137028 and 84137029

3. Project Description (including proposed use) _____

Installation of an Engineered Compost Systems (ECS) aerated floor at the existing developed composting facility. The project will not affect sensitive species or habitat - Land Cover Verification attached.

A. Project Location

On the Private Development Areas map², where is the project located? (check the applicable box below)

Area 1: Private Development Covered Go to Question C, page 2

Area 2: Rural Development Equal to or Greater Than 2 Acres Covered Go to Question B, page 2

Area 3: Rural Development Not Covered Go to Conclusion 1, page 3

Area 4: Urban Development Equal to or Greater Than 2 Acres Covered Go to Question B, page 2

¹ See disclaimer under Conclusion 1 below regarding Endangered Species Act requirements.

² The Private Development Areas map can be viewed on the Habitat Agency Geobrowser at www.hcpmaps.com or at each of the planning and building offices (County of Santa Clara, City of Gilroy, City of Morgan Hill, or City of San José).

B. Size of the Permanently Disturbed Footprint

What is the total size of the permanently disturbed footprint (not parcel size; see box below), in acres?

If the size of the permanently disturbed area is less than 2 acres, go to Conclusion 1, page 3.

If the size of the permanently disturbed area is 2 acres or greater, go to Conclusion 2, page 3.

Calculating the Size of the Permanently Disturbed Footprint: *The permanently disturbed area is not the parcel size. It is determined by calculating the total land area that will be permanently affected by the proposed development project.*

This area includes all new buildings, new impervious surfaces (parking areas, roads, sidewalks, pools, etc.), and other areas that will be permanently affected by the project (lawns or formal landscaping areas, etc.). Refer to Exhibit A for calculating the Permanently Disturbed Footprint.

This area shall be shown on plans submitted with this Coverage Screening Form.

If necessary, the planning or building office reviewing this Coverage Screening Form may require this area to be calculated by a licensed professional (architect, engineer, surveyor) to verify accuracy.

C. Additions³

- i. Is the project site currently developed? YES Go to Question ii below
 NO Go to Conclusion 2, page 3
- ii. Does the project consist of total new impervious surface less than 5,000 square feet for (a) a building addition or (b) a new building within 50 feet of existing buildings?⁴ YES Provide area below in iii and go to Conclusion 1, page 3
 NO Go to Conclusion 2, page 3
- iii. What is the total impervious surface (see box below) that will be added (in square feet)? _____

Calculating Impervious Surface: *New impervious surfaces include all new buildings and paved areas (asphalt and concrete), such as parking areas, driveways, roads, sidewalks and pools.*

This area shall be shown on the plans submitted with this Coverage Screening Form.

If necessary, the planning department reviewing the Coverage Screening Form may require impervious surface area to be calculated by a licensed professional (architect, engineer, surveyor) to verify accuracy.

³ A developed site means a site has existing permanent improvements, such as buildings and impervious areas, that were legally established prior to the Operative Date of the Habitat Plan (October 14, 2013). Review of building permits or aerial photos may be required by the planning department for verification.

⁴ Building addition and new building area is cumulative effective October 14, 2013.

CONCLUSION 1 Project is not a covered project under the Habitat Plan.

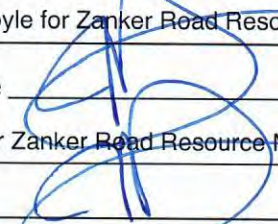
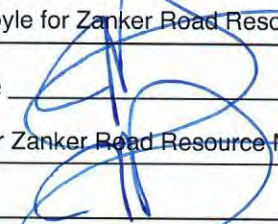
Submit this Coverage Screening Form to the planning or building office with the applicable planning application (such as use permit, subdivision, etc.) for the project. Planning staff will evaluate and confirm the project is not a Covered Project. Verification of the absence of sensitive habitats, which may include photos and aerials of the site, may be required.

Sensitive Habitats: If the proposed project affects any wildlife and/or plant species covered by the Habitat Plan, or any unmapped burrowing owl occupied nesting habitat, serpentine, riparian, stream, pond, or wetland land covers on the property, then coverage under the Habitat Plan is required. Go to Conclusion 2, below.

Projects that are not covered projects under the Habitat Plan must still comply with Federal and State Endangered Species Act requirements. If a project has the potential to take a federally or state-listed plant or wildlife species, the applicant must contact the U.S. Department of Fish and Wildlife and/or the California Department of Fish and Wildlife to determine whether an endangered species permit should be obtained.

CONCLUSION 2 Project is a covered project under the Habitat Plan.

Submit this Coverage Screening Form to the planning or building office with the planning application (such as use permit, subdivision, etc.). Work with planning or building office staff to complete the *Application for Private Projects*, which includes the *Fees and Conditions Worksheet*—a planning tool that provides guidance for land cover mapping requirements, fees, and conditions that may apply to your project.

Property Owner John Doyle for Zanker Road Resource Managemnt, Ltd.
Property Owner Signature  Date 2-28-17
Applicant John Doyle for Zanker Road Resource Managemnt, Ltd.
Applicant Signature  Date 2-28-17

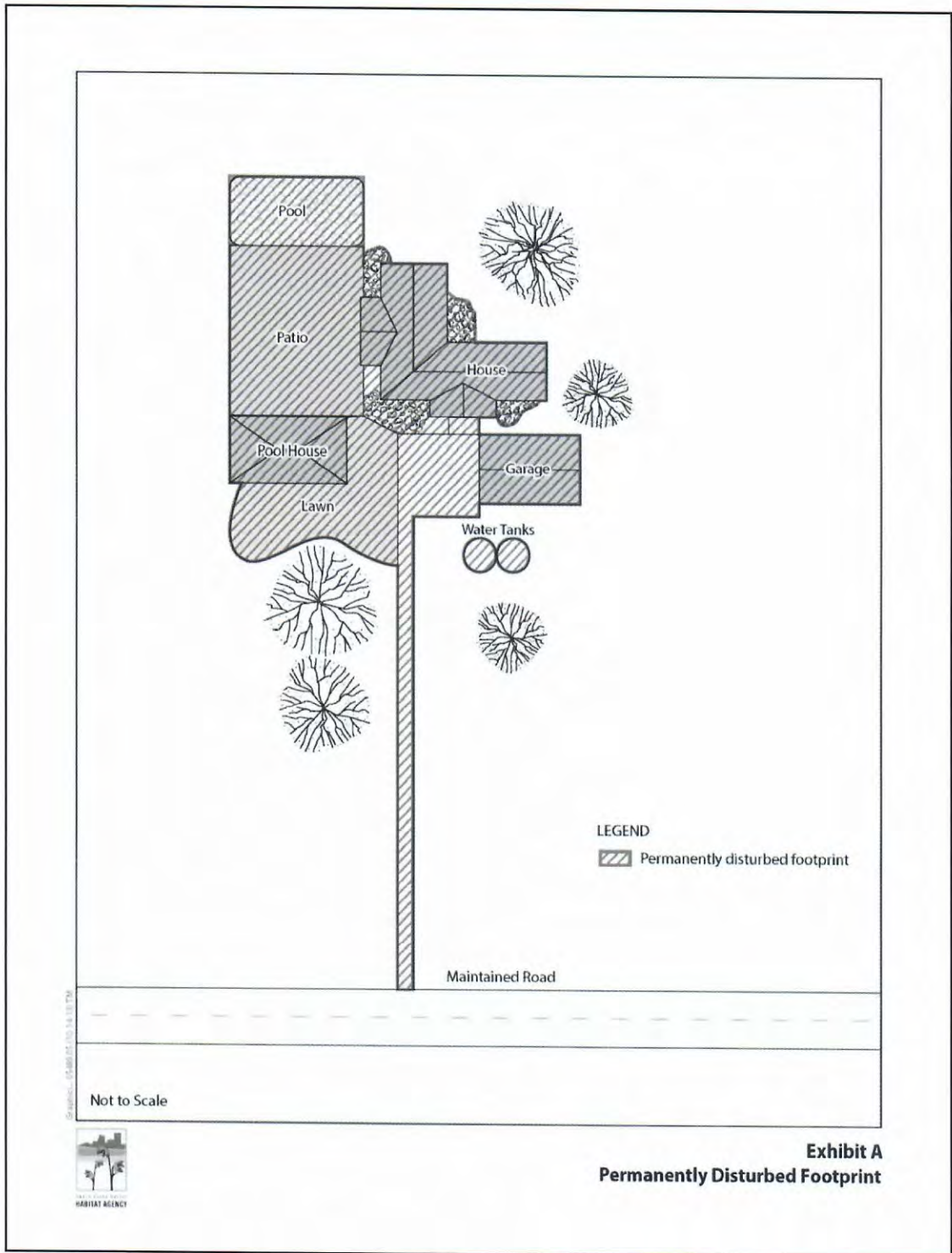
Planning/Building Office Contact Information

City of Gilroy 7351 Rosanna St. Gilroy, CA 95020 Tel: (408) 846-0451 Fax: (408) 846-0429 www.ci.gilroy.ca.us/planning	City of Morgan Hill 17575 Peak Ave. Morgan Hill, CA 95037 Tel: (408) 778-6480 Fax: (408) 779-7236 www.morganhill.ca.gov	City of San Jose 200 E. Santa Clara St., T-3 San Jose, CA 95113 Tel: (408) 535-3555 Fax: (408) 292-6055 www.sanjoseca.gov/planning	County of Santa Clara 70 West Hedding St., 7th Floor San Jose, CA 95110 Tel: (408) 299-5770 Fax: (408) 288-9798 www.sccplanning.org
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If the project is not a covered project under the Habitat Plan and "opt-in" coverage from the Habitat Plan is desired, work with the applicable planning or building office to complete the Application for Private Projects and submit it to the planning or building office with the planning application. Opt-in coverage is not guaranteed and will be authorized by the local jurisdiction in consultation with the Habitat Agency.

For Staff Verification Use Only			
Project is Covered <input type="checkbox"/>	Project is Not Covered <input type="checkbox"/>	No Sensitive Habitats Located on Project Site <input type="checkbox"/>	Date _____
Project Planner _____			
Phone Number _____		Email _____	

SOURCES FOR THIS FORM: This form incorporates the policies contained within Chapter 2, *Land Use and Covered Activities*, of the Santa Clara Valley Habitat Plan, specifically subsection *Private Development Subject to the Plan*, beginning on Page 2-42.



Note: The permanently disturbed footprint, as shown in Exhibit A, is used to determine if your project is eligible for coverage under the Habitat Plan. Please refer to the Fees and Conditions Worksheet Exhibit 1 to determine how to calculate fees, impacts, and conditions if your project is eligible for coverage under the Habitat Plan.



Planning for Success.

April 1, 2020

Dave Rader
Senior Planner
County of Santa Clara
Department of Planning and Development
70 W. Hedding St., 7th Floor, East Wing
San Jose, CA 95110

Re: Biological Report for Site Access Change at the Z-Best Composting Facility: 980
State Route 25, County of Santa Clara

Dear Mr. Rader:

This report summarizes the results of a reconnaissance-level biological survey of areas that would be affected by proposed site access/driveway and State Route 25 improvements at the Z-Best facility. On February 6, 2020, EMC Planning Group senior biologist Gail Bellenger conducted a survey of the impact areas shown on [Figure 1, Project Entrance/Driveway and SR 25 Improvements Areas of Impact](#). This biological report letter is a supplement to a prior reconnaissance-level biological resources survey and analysis conducted to examine potential biological resources impacts from implementing a range of other activities at the Z-Best site by EMC Planning Group in 2019. Additional relevant documents include the following:

- WRA. July 3, 2014. *California Red-legged Frog Habitat Assessment at the Z-Best Composting Facility, Santa Clara County, California* (“2014 WRA report”),
- WRA. February 27, 2017. *Memorandum: Z-Best Composting Facility Modification: Verification of Absence of Sensitive Species and Habitat covered by the SCVHP*,
- California Department of Fish and Wildlife (CDFW) *California Natural Diversity Database* (CDFW 2020),

EMC PLANNING GROUP INC.
A LAND USE PLANNING & DESIGN FIRM

- California Native Plant Society (CNPS) *Inventory of Rare and Endangered Plants* (CNPS 2020), and
- U.S. Fish and Wildlife Service (USFWS) *Endangered Species Program* (USFWS 2020a) and *National Wetlands Inventory* (USFWS 2020b).

Proposed New Site Access and State Route 25 Improvements

A new site access driveway to the Z-Best facility is proposed approximately 600 feet south of the existing entrance and exit. This site access would constitute a new fourth leg of the existing three-legged State Route 25/Bolsa Road intersection. The new on-site driveway would be approximately 600 feet long. The driveway would traverse the site parallel to State Route 25, then connect with the existing driveway to the site. The existing entrance would be closed once the new access is operational. The new access will cross over the existing storm water drainage ditch that borders the southern side of State Route 25. A 24-inch storm drain pipe carrying stormwater flow through the ditch will be installed underneath the entrance. When the existing entrance is closed, the existing storm drainage pipe that conveys storm water through the ditch under the existing driveway will be removed.

The improvements on State Route 25 consist of right- and left-turn acceleration and deceleration lanes that separate traffic flow into and out of the Z-Best site and into and out of Bolsa Road from through traffic on State Route 25. To accommodate the improvements, SR 25 will need to be widened on both sides along its frontage with the Z-Best facility. Widening both sides of the highway will require that new pavement be placed on both sides and storm drainage improvements constructed. For these improvements to occur, the existing storm drainage channels on both sides of the highway will need to be filled in and replaced with storm drainage piping. Low retaining walls will be placed at the edge of the new pavement to control and direct storm water into drains and the storm drain pipes. On the southern side of the highway, the paving and retaining wall/storm drain pipe improvements will extend approximately 1,800 feet. On the northern side of the highway, the paving and retaining wall/storm drain pipe improvements will extend approximately 1,600 feet. Storm drainage pipes are assumed to be 24-inch reinforced concrete.

Biological Survey

EMC Planning Group biologist Gail Bellenger conducted a reconnaissance-level field survey of the impact areas on February 6, 2020 to determine if conditions for California red-legged frog (*Rana draytonii*) as described in the 2014 WRA report are applicable to the impact areas, to document existing plant communities and wildlife habitats, and to evaluate the potential for other special-status biological resources to occur. Qualitative estimates of plant cover, structure, and spatial changes in species composition were used to determine plant communities and wildlife habitats. Habitat quality and disturbance level were also noted. [Figure 2, Representative Site Photographs – South of SR 25](#) and [Figure 3, Representative Site Photographs – North of SR 25](#), include representative photos of the areas surveyed.

Existing Conditions

The proposed new access driveway parallel to and south of SR 25 is planned within a heavily disturbed area containing a compacted gravel road used by vehicles. To widen SR 25, new paving will be required along both the northern and southern sides of the highway. The road shoulders currently consist of compacted dirt and gravel with scattered non-native grasses.

Storm water drainage ditches approximately 15-foot wide run parallel along both sides of the highway. To accommodate the paving, the ditches will be filled and replaced with 24-inch storm water drainage pipes. At the time of the survey, the drainage ditches were dry but densely vegetated with ruderal (weedy) species such as cheeseweed (*Malva parviflora*), bristly ox-tongue (*Helminthotheca echioides*), filaree (*Erodium botrys*), and chard (*Beta vulgaris*), most likely an agricultural escapee. Scattered cattail (*Typha* sp.) remnants were periodically interspersed with the ruderal species along the drainage ditch north of SR 25. A row of planted poplar trees used for visual screening of the compost facility is present along the south side of SR 25.

An approximately 0.2-acre wetland area was identified east of the intersection of Bolsa Road and SR 25. The wetland contained evidence of wetland species (cattails), however the identification of additional wetland species potentially present was not possible due to the time of the year. The wetland area location is shown on Figures 1-3.

Bird species noted included American crow (*Corvus brachyrhynchos*), seagull (*Larus occidentalis*), and mourning dove (*Zenaida macroura*). No mammal or amphibian species

were observed, but several gopher mounds were noted in the grassy area in the center of the proposed driveway impact area. No other small mammal burrows were found.

Special-Status Species

Special-status species in this report are those listed as endangered, threatened, or rare, or as candidates for listing by the USFWS or CDFW under the state and/or federal endangered species acts. The special-status designation also includes CDFW Species of Special Concern and Fully Protected species, CNPS Rare Plant Rank 1B and 2B species, and other locally rare species that meet the criteria for listing as described in Section 15380 of CEQA Guidelines. Special-status species are generally rare, restricted in distribution, declining throughout their range, or have a critical, vulnerable stage in their life cycle that warrants monitoring.

Special-Status Plants

Special-status plant species potentially occurring in the project vicinity were evaluated for potential to occur within the impact areas. Special-status plant species typically occur in relatively undisturbed native habitat areas. The entire compost facility has been heavily disturbed as a result of facility operations. The impact areas along SR 25 and the driveway expansion have also been frequently disturbed and support only limited ruderal species. Therefore, it is anticipated that no special-status plant species will be impacted by the associated improvements.

California Red-Legged Frog

California red-legged frog is federally listed as threatened and is a California Species of Special Concern. The SR 25 impact areas are not located within federally designated critical habitat for this species. California red-legged frog is California's largest native frog and is generally restricted to riparian and lacustrine (lake) habitats. This species prefers deep, still pools, usually greater than two feet in depth, and creeks, rivers or lakes below 5,000 feet in elevation. Breeding habitats require freshwater emergent vegetation or thick riparian vegetation, especially willow thickets adjacent to shorelines. California red-legged frogs can survive in seasonal bodies of water that dry up for short periods if a permanent water body or dense vegetation is nearby. Dispersal distances are typically less than 0.3 miles (0.5 kilometer) from a pond, with a few individuals moving up to 1.2–1.9 miles (2–3 kilometers) overland, with movement occurring predominantly along creek drainages. Individuals are often found during the summer in foraging

habitat not suitable for breeding, and therefore, are presumed to move seasonally between summer foraging and winter breeding habitats (USFWS 2002).

A search of the CNDDDB indicates there are known occurrences of California red-legged frog within 1.5 miles of the SR 25 impact areas, with the closest recorded sightings approximately 1.2 miles to the southwest (2017) and southeast (1997). In addition, occurrences of California red-legged frog have been documented downstream in both Carnadero Creek and the Pajaro River (CNDDDB 2020).

In general, potential California red-legged frog habitat is divided into three types: breeding habitat, upland habitat and dispersal habitat. The 2014 WRA report addressed the potential for the occurrence of California red-legged frog within the compost facility boundary and general vicinity. According to the 2014 WRA report, potential breeding habitat is absent within the compost facility boundary. The facility is also nearly devoid of potential upland habitat; the only suitable upland habitat for California red-legged frog is in the extreme southeastern corner, within the Pajaro River riparian corridor, which is outside of the compost facility and SR 25 impact areas (WRA 2014).

The compost facility and SR 25 impact areas are situated between the Pajaro River and Carnadero Creek; therefore, the potential for overland dispersal between them cannot be dismissed. According to the 2014 WRA report, any dispersal of California red-legged frog between Carnadero Creek and the Pajaro River would most likely occur via the network of existing irrigation and drainage ditches. However, because these ditches are regularly maintained to reduce vegetation and have loose soils and steep banks, it is likely that dispersing individuals would be unable to climb out and would be forced to continue along the bottom of the ditches until reaching an outlet, desiccate, or are predated (WRA 2104).

The drainage ditches were dry at the time of the 2020 survey and it is unlikely that they or the small wetland would retain water long enough to support California red-legged frog breeding. Agricultural activities and frequent disturbance immediately adjacent to the SR 25 corridor have limited the presence of features utilized as upland habitat, such as burrows, leaf-litter, deep soil cracks, dense vegetation or debris for individuals to shelter within or under. Although some small mammal activity was observed, it is unlikely that the area is utilized as upland habitat. However, because the SR 25 impact

areas are located between Carnadero Creek and the Pajaro River, the drainage ditches along both sides of SR 25 are considered potential dispersal habitat corridors.

Burrowing Owl

Western burrowing owl is a California Species of Special Concern. Burrowing owls live and breed in burrows in the ground, especially in abandoned ground squirrel burrows. Optimal habitat conditions include large open, dry, and nearly level grasslands or prairies with short to moderate vegetation height and cover, areas of bare ground, and populations of burrowing mammals. Areas with active colonies of California ground squirrels or human-made structures such as culverts that could be utilized for nesting provide suitable nesting habitat.

The nearest observation of burrowing owl was recorded in 2007, approximately 1.5 miles to the south of the compost facility and the Survey Areas. Infrequent, scattered burrows were found in the flood storage expansion area and within the driveway and small wetland area in Survey Area 2. These burrows were likely created by voles or other small rodents. These small pockets of available prey are not likely to provide adequate habitat for foraging or habitation. There was no sign or observation of burrowing owls during field surveys, and this species is not expected to occur. However, this species is highly mobile and may move into the SR 25 impact areas at any time.

Migratory Nesting Birds

Many bird species are migratory and fall under the jurisdiction of the Migratory Bird Treaty Act, protections for birds of prey, and/or are considered Fully Protected Species. Although no nesting activity was observed during the surveys, several avian species were observed. Non-native grassland and ruderal vegetation will be removed as a result of construction within the impact areas, and approximately 10 ornamental poplar trees would be removed and replaced around the radius of the turn section of the new driveway. Various bird species may nest throughout the impact areas, including in structures, on open ground, or in any type of vegetation, including trees.

Wetlands and Waterways

Wetlands are identified by the presence of hydrophytic vegetation, hydric soils (soils intermittently or permanently saturated by water), and wetland hydrology. Waterways

or drainage channels are defined by their ordinary high-water marks on channel banks and their connection to other waterways or aquatic features.

Within the impact areas, long linear drainage ditches approximately 15 feet wide are present parallel to the north and to the south of SR 25. The ditches are periodically cleared and vegetation present at the time of the survey was dominated by ruderal species. The ditches north of SR 25 also supported scattered cattails. No standing water was observed. These ditches appear to connect to Carnadero Creek and the Pajaro River and may be considered jurisdictional by one or more resource agencies.

An approximately 0.02-acre wetland area was identified east of the intersection of Bolsa Road and SR 25. The area was wet but did not contain ponded water. Remnants of wetland vegetation (cattails) were identifiable, though the time of year precluded additional plant identification. If the wetland area supports the necessary criteria, one or more resource agencies may consider this feature jurisdictional.

Mitigation Measures

California Red-Legged Frog

If California red-legged frog is present within the impact areas, construction activities could result in the loss or disturbance of individual animals. This would be a potentially significant adverse environmental impact. Implementation of the following mitigation measures would reduce the potential impact to a less-than-significant level.

BIO-1 Before construction activities begin within the impact areas, a qualified biologist shall conduct a training session for all construction personnel. At a minimum, the training shall include a description of special-status species potentially occurring in the project vicinity, including, but not limited to California red-legged frog and nesting birds and raptors. Their habitats, general measures that are being implemented to conserve species as they relate to the project, and the boundaries within which construction activities will occur will be explained. Informational handouts with photographs clearly illustrating the species' appearances shall be used in the training session. All new construction personnel shall undergo this mandatory environmental awareness training.

The qualified biologist will train biological monitors selected from the construction crew by the construction contractor (typically the project foreman). Before the start of work each day, the monitor will check for animals under any equipment such as vehicles and stored pipes within active construction zones. The monitor will also check all excavated steep-walled holes or trenches greater than one foot deep for trapped animals. If a California red-legged frog is observed within an active construction zone, the qualified biologist will be notified immediately and all work within 100 feet of the individual will be halted and all equipment turned off until the individual has left the construction area.

BIO-2 A qualified consulting biologist will conduct preconstruction surveys following the guidance documented in the *Revised Guidance on Site Assessments and Field Surveys for the California Red-legged Frog* (USFWS 2005) no more than two weeks (14 days) prior to the start of construction activities. The impact areas, specifically the drainage ditches and small wetland area, will be surveyed for potential migratory and/or upland activity.

If California red-legged frog is found, the applicant will coordinate with the USFWS and/or CDFW to determine the appropriate course of action per the requirements of FESA and/or CESA (e.g., obtaining Incidental Take Permits) and implement the permit requirements prior to ground disturbance.

BIO-3 The project proponent shall obtain an Incidental Take Permit from the U.S. Fish and Wildlife Service (USFWS) for potential project impacts to California red-legged frog, and implement all avoidance, minimization, and compensatory mitigation measures required by these permits. Avoidance and minimization measures may include, but not be limited to, the following from the *USFWS Programmatic Biological Opinion for Issuance of Permits under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act, including Authorizations Under 22 Nationwide Permits, for Projects that May Affect the Threatened California Red-legged Frog in Nine San Francisco Bay Area Counties, California* (USFWS 2014):

- A qualified biologist will be on site during all activities within 200 feet from the outer edge of potential habitat that may result in take of the

California red-legged frog, including the drainage ditches and small wetland area.

- To the extent possible, all ground-disturbing work within 200 feet from the outer edge of potential habitat (specifically the drainage ditches and small wetland area) will be avoided between November 1 and March 31, the time period when California red-legged frogs are most likely to be moving through upland areas. No construction activities will occur within 200 feet from the outer edge of potential habitat (specifically the drainage ditches and small wetland area) during rain events or within 24-hours following a rain event.
- To minimize harassment, injury, death, and harm in the form of temporary habitat disturbances, all project-related vehicle traffic will be restricted to established roads, construction areas, equipment staging, storage, parking, and stockpile areas.
- If a California red-legged frog is encountered, all activities which have the potential to result in the harassment, injury, or death of the individual will be immediately halted. A qualified biologist will then assess the situation and select a course of action that will avoid or minimize adverse effects to the animal.
- Uneaten human food and trash attracts crows, ravens, coyotes, and other predators of the California red-legged frog. A litter control program will be instituted at each construction site. All workers will ensure their food scraps, paper wrappers, food containers, cans, bottles, and other trash are deposited in covered or closed trash containers. The trash containers will be removed from the construction site at the end of each working day.
- Where needed, loss of soil from run-off or erosion will be prevented with straw bales, straw wattles, or similar means provided they do not entangle, block escape or dispersal routes of the California red-legged frog.

- No insecticides or herbicides will be used within the impact areas during construction or long-term operational maintenance where there is the potential for these chemical agents to enter the drainage ditches or small wetland area that contain potential habitat for the California red-legged frog.
- No pets will be permitted at the construction site, to avoid and minimize the potential for harassment, injury, and death of the California red-legged frog.
- For on-site storage of pipes, conduits, and other materials that could provide shelter for special-status species, an open-top trailer will be used to elevate the materials above ground. This is intended to reduce the potential for animals to climb into the conduits and other materials.
- To the maximum extent possible, night-time construction will be minimized or avoided because dusk and dawn are often the times when the California red-legged frog is most actively moving and foraging.
- Plastic monofilament netting (erosion control matting), loosely woven netting, or similar material in any form will not be used at the construction site because California red-legged frogs can become entangled and trapped in them. Materials utilizing fixed weaves (strands cannot move), polypropylene, polymer, or other synthetic materials will not be used.
- Trenches or pits one foot or deeper that are going to be left unfilled for more than 48 hours will be securely covered with boards or other material to prevent the California red-legged frog from falling into them.

Burrowing Owl

If burrowing owl is present on or adjacent to the compost facility or Survey Areas, construction activities could result in the loss or disturbance of individual animals. This

would be a significant adverse environmental impact. Implementation of the following mitigation measure would reduce the potential impact to a less-than-significant level.

BIO-4 To avoid/minimize impacts to burrowing owls potentially occurring on or adjacent to the impact areas, the project proponent shall retain a qualified consulting biologist to conduct a two-visit (i.e. morning and evening) presence/absence survey at areas of suitable habitat on and adjacent to the impact areas no less than 14 days prior to the start of construction or ground disturbance activities. Surveys shall be conducted according to methods described in the *Burrowing Owl Survey Protocol and Mitigation Guidelines* (CBOC 1993) and the *Staff Report on Burrowing Owl Mitigation* (CDFW 2012).

Because burrowing owls occupy habitat year-round, seasonal no-disturbance buffers, as outlined in the *Burrowing Owl Survey Protocol and Mitigation Guidelines* (CBOC 1993) and the *Staff Report on Burrowing Owl Mitigation* (CDFW 2012), shall be in place around occupied habitat prior to and during any ground disturbance activities. The following table includes buffer areas based on the time of year and level of disturbance (CDFG 2012), unless a qualified biologist approved by CDFW verifies through non-invasive measures that either: 1) birds have not begun egg laying and incubation; or 2) that juveniles from the occupied burrows are foraging independently and are capable of independent survival.

Location	Time of Year	Level of Disturbance		
		Low	Med	High
Nesting Sites	April 1 – Aug 15	200 m	500 m	500 m
Nesting Sites	Aug 16 – Oct 15	200 m	200 m	500 m
Nesting Sites	Oct 16 – Mar 31	50 m	100 m	500 m

If burrowing owl are found to occupy the compost facility or SR 25 impact areas and avoidance is not possible, burrow exclusion may be conducted by qualified biologists only during the non-breeding season, before breeding behavior is exhibited and after the burrow is confirmed empty through non-

invasive methods, such as surveillance. Occupied burrows will be replaced with artificial burrows at a ratio of one collapsed burrow to one constructed artificial burrow (1:1). Evicted burrowing owls may attempt to colonize or re-colonize an area that will be impacted, thus ongoing surveillance of the compost facility or SR 25 impact areas during project activities will be conducted at a rate sufficient to detect burrowing owls if they return.

If surveys locate occupied burrows in or near construction areas, consultation with the CDFW shall occur to interpret survey results and develop a project-specific avoidance and minimization approach.

Roosting Bats

Potential habitat for western mastiff bat and pallid bat occurs in mature trees present within the impact areas. If special-status bats are present or in the vicinity, tree removal and other construction activities could result in the loss of individual animals. This would be a significant adverse environmental impact. Implementation of the following mitigation measure would reduce the potential impact to a less-than-significant level.

Mitigation Measure

BIO-5 Approximately 14 days prior to tree removal activities, a qualified biologist shall conduct a habitat assessment for bats and potential roosting sites in trees to be removed and in trees within 50 feet of the construction footprint. These surveys shall include a visual inspection of potential roosting features (bats need not be present) and a search for presence of guano within the project site, construction access routes, and 50 feet around these areas. Cavities, crevices, exfoliating bark, and bark fissures that could provide suitable potential nest or roost habitat for bats shall be surveyed. Assumptions can be made on what species is present due to observed visual characteristics along with habitat use, or the bats can be identified to the species level with the use of a bat echolocation detector such as an “Anabat” unit. Potential roosting features found during the survey shall be flagged or marked.

- If no roosting sites or bats are found, a letter report confirming absence shall be prepared and no further mitigation is required.
- If bats or roosting sites are found, bats shall not be disturbed without specific notice to and consultation with CDFW.
- If bats are found roosting outside of the nursery season (May 1 through October 1), the CDFW shall be consulted prior to any eviction or other action. If avoidance or postponement is not feasible, a Bat Eviction Plan shall be submitted to CDFW for written approval prior to project implementation. A request to evict bats from a roost includes details for excluding bats from the roost site and monitoring to ensure that all bats have exited the roost prior to the start of activity and are unable to re-enter the roost until activity is completed. Any bat eviction shall be timed to avoid lactation and young-rearing. If bats are found roosting during the nursery season, they shall be monitored to determine if the roost site is a maternal roost. This could occur by either visual inspection of the roost bat pups, if possible, or by monitoring the roost after the adults leave for the night to listen for bat pups. Because bat pups cannot leave the roost until they are mature enough, eviction of a maternal roost cannot occur during the nursery season. Therefore, if a maternal roost is present, a 50-foot buffer zone (or different size if determined in consultation with the CDFW) shall be established around the roosting site within which no construction activities including tree removal or structure disturbance shall occur until after the nursery season.

Protected Nesting Birds

Protected nesting birds, including raptor species, have the potential to nest in structures, on open ground, or in any type of vegetation, including trees, during the nesting bird season (January 15 through September 15). If nesting birds protected by state and federal regulations are present within or adjacent to the impact areas during soil-disturbing or construction activities, the proposed project may directly result in loss of active nests, or indirectly result in nest abandonment and thereby cause loss of fertile eggs or nestlings. This would be a significant adverse environmental impact. Implementation of the

following mitigation measure would reduce the potential impact to a less-than significant level.

BIO-6 Construction activities can cause direct or indirect impacts to nesting birds. Any tree removal, pruning, grading, grubbing, or demolition within the impact areas shall be conducted outside of the bird nesting season (January 15 through September 15) to the greatest extent feasible. If this type of construction, or noise resulting from construction activities, occurs during the bird nesting season, then a qualified biologist shall conduct pre-construction surveys for nesting birds to ensure that no nests would be disturbed during project activities. Sustained noise can cause indirect impacts by creating stress in birds.

If project-related work is scheduled during the nesting season (February 15 to August 30 for small bird species such as passerines; January 15 to September 15 for owls; and February 15 to September 15 for other raptors), or if construction activities are suspended for at least 15 days and recommence during the nesting season, a qualified biologist shall conduct nesting bird surveys. Two surveys for active nests of such birds shall occur within 15 days prior to the start of construction, with the second survey conducted within 48 hours prior to the start of construction. Appropriate minimum survey radii surrounding each work area are typically 250 feet for passerines, 500 feet for smaller raptors, and 1,000 feet for larger raptors. Surveys shall be conducted at the appropriate times of day to observe nesting activities when birds are most active. Off-site locations where access is not available may be surveyed from within the site or from public areas. A report documenting survey results and plan for active bird nest avoidance (if needed) shall be completed by the qualified biologist prior to initiation of construction activities.

If the qualified biologist documents active nests within the impact areas or in nearby surrounding areas, an appropriate buffer between each nest and active construction shall be established. The buffer shall be clearly marked and maintained until the young have fledged and are foraging independently. Prior to construction, the qualified biologist shall conduct baseline monitoring of each nest to characterize normal bird behavior and establish a buffer distance, which allows the birds to exhibit normal behavior.

The qualified biologist shall monitor the nesting birds daily during construction activities and increase the buffer if birds show signs of unusual or distressed behavior (e.g. defensive flights and vocalizations, standing up from a brooding position, and/or flying away from the nest). If buffer establishment is not possible, the qualified biologist or construction foreman shall have the authority to cease all construction work in the area until the young have fledged and the nest is no longer active.

Jurisdictional Wetlands and Waters

Construction within the impact areas would require installation of new culverts and will result in fill of potentially jurisdictional drainage ditches and a small wetland. If considered jurisdictional by the USACE and/or RWQCB, permits may be required for construction of the new access driveway and widening of SR 25. Impacts to jurisdictional wetlands and waterways are considered significant adverse impacts. Implementation of the following mitigation measure would reduce the impact to a less-than-significant level.

BIO-7 Prior to initiation of ground disturbance or construction activities within the new access driveway and SR 25 impact areas, the project proponent shall retain a qualified biologist to determine the extent of drainage ditches and potential wetlands regulated by the USACE and RWQCB. If the USACE claims jurisdiction, the project proponent shall retain a qualified biologist to obtain a Clean Water Act Section 404 Nationwide Permit. If the impacts to the drainage ditches and potential wetlands do not qualify for a Nationwide Permit, the project proponent shall proceed with the qualified biologist in obtaining an Individual Permit from the USACE. The project proponent shall then retain a qualified biologist to coordinate with the RWQCB to obtain a Clean Water Act Section 401 Water Quality Certification.

To compensate for temporary and/or permanent impacts to wetlands and other waters of the U.S. that will be impacted as a result of the proposed project, mitigation will be provided as required by the regulatory permits. Mitigation would be provided through one of the following mechanisms:

- a. A Wetland Mitigation and Monitoring Plan will be developed that will outline mitigation and monitoring obligations for temporary impacts to

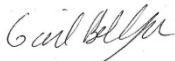
wetlands and other waters as a result of construction activities. The Wetland Mitigation and Monitoring Plan would include thresholds of success, monitoring and reporting requirements, and site-specific plans to compensate for wetland losses resulting from the project. The Wetland Mitigation and Monitoring Plan will be submitted to the appropriate regulatory agencies for review and approval during the permit application process.

- b. To compensate for permanent impacts, the purchase and/or dedication of land to provide suitable wetland restoration or creation will ensure a no net loss of wetland values or functions. If restoration is available and feasible, a minimum 1:1 impact to mitigation ratio would apply to projects for which mitigation is provided in advance.

The project proponent shall comply with terms and conditions of the permits, including measures to protect and maintain water quality, restore work sites, and mitigation to offset temporary and/or permanent wetland impacts. The project proponent shall be responsible for implementation of this mitigation measure prior to issuance of a grading permit, with oversight by the County of Santa Clara.

Please contact me with any questions or comments. I can be reached at 831-649-1799 ext. 221 or by email at bellenger@emcplanning.com.

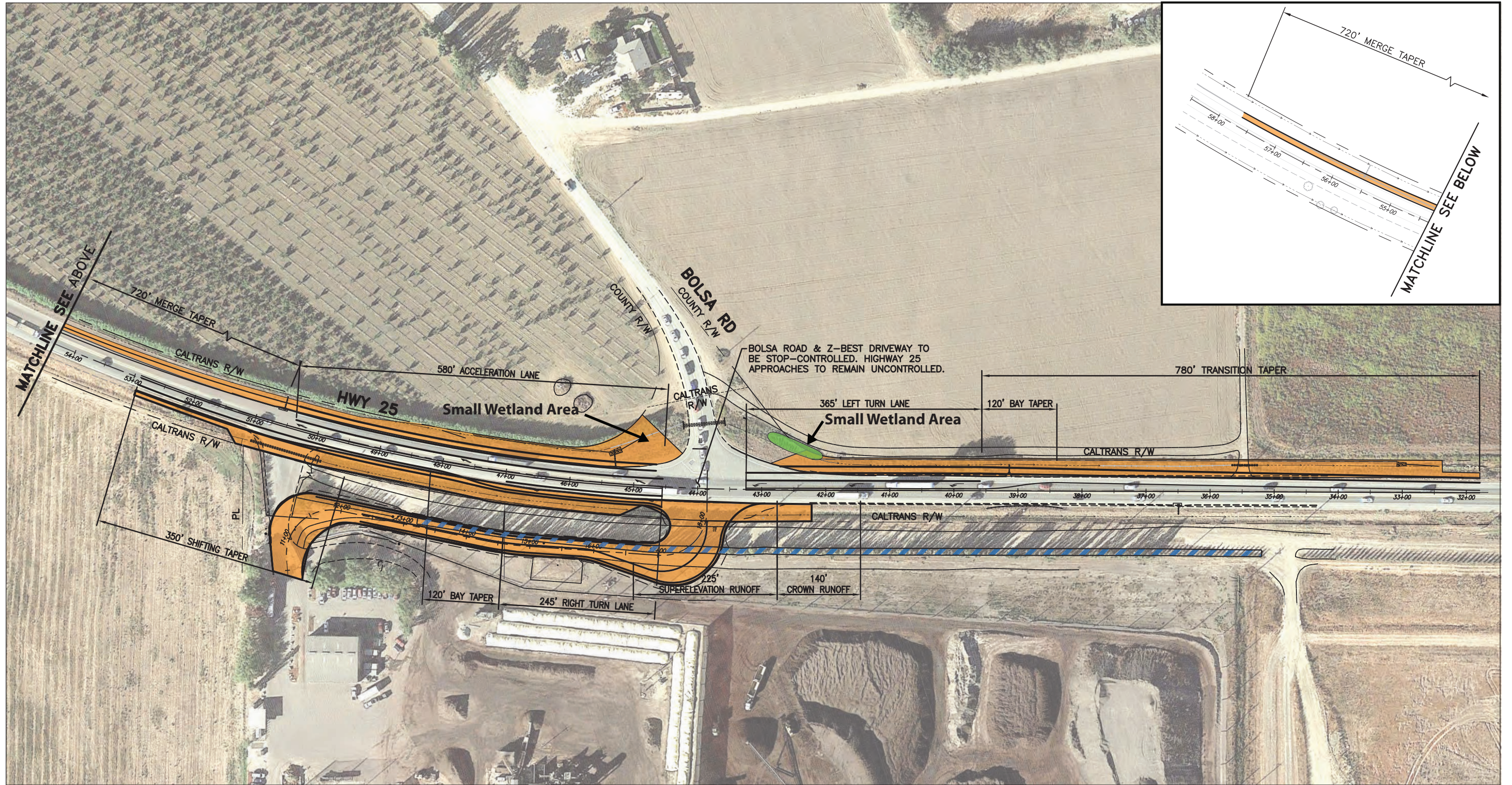
Sincerely,



Gail Bellenger, M.A.
Senior Biologist

References

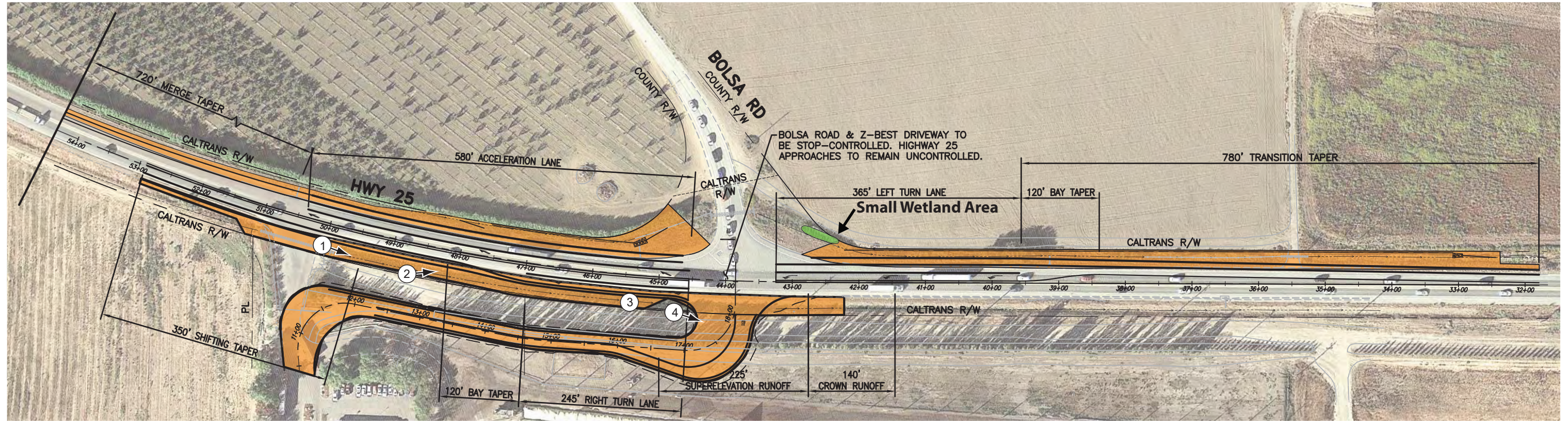
- California Burrowing Owl Consortium (CBOC). 1993. *Burrowing Owl Survey Protocol and Mitigation Guidelines*.
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- USFWS. 2005. Guidance on site assessment and field surveys for California Red-Legged Frogs. Appendix: California Red-Legged Frog Ecology and Distribution. Sacramento, CA.
- USFWS. 2014. *USFWS Programmatic Biological Opinion for Issuance of Permits under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act, including Authorizations Under 22 Nationwide Permits, for Projects that May Affect the Threatened California Red-legged Frog in Nine San Francisco Bay Area Counties, California*.
- USFWS. 2020a. *Endangered Species Program*. Santa Clara County.
- USFWS. 2020b. *National Wetlands Inventory*.
- WRA. 2014. *California Red-legged Frog Habitat Assessment at the Z-Best Composting Facility, Santa Clara County, California*. July 3, 2014
- WRA. 2017. *Memorandum: Z-Best Composting Facility Modification: Verification of Absence of Sensitive Species and Habitat covered by the SCVHP*. February 27, 2017.



Source: ESRI 2018, Santa Clara County GIS 2015, RJA 2020



Figure 1
Proposed Improvements and Survey Area



  Impact Areas



① View east along SR 25 of planted landscape trees and access road



② Drainage ditch parallel to SR 25



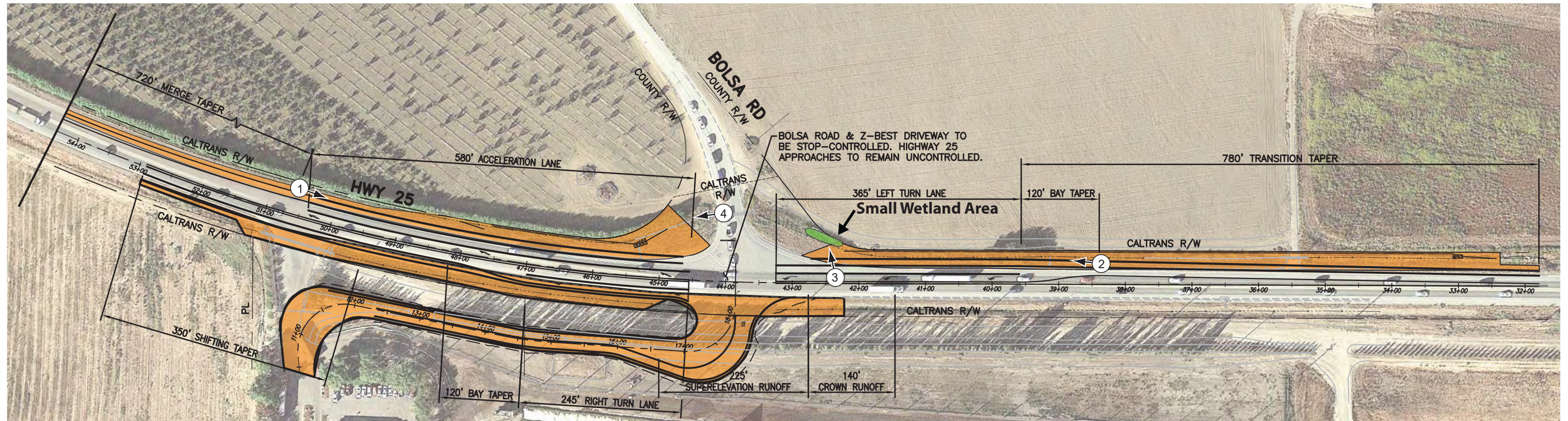
③ Compacted gravel and non-native grasses along road shoulder



④ Unpaved access road south of SR 25 and landscape trees

Source: ESRI 2019, Santa Clara County GIS 2015, RJA 2020
Photographs: EMC Planning Group 2020

Figure 2
Representative Survey Area Photographs – South Side of SR 25
Z-Best Composting Facility Modifications EIR – Supplemental Biological Resources Report



  Impact Areas



① Drainage ditch on north side of SR-25, looking east



② Drainage ditch and wetland on north side of SR-25, looking west



③ Small wetland area associated with drainage ditch (Google Earth 2019)



④ Looking west along drainage ditch from culvert under Bolsa Road

Source: ESRI 2019, Santa Clara County GIS 2015, RJA 2020
Photographs: EMC Planning Group 2020

Figure 3
Representative Survey Area Photographs – North Side of SR 25



Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (Chittenden (3612185) OR Mt. Madonna (3712116) OR Gilroy (3712115) OR Gilroy Hot Springs (3712114) OR San Felipe (3612184) OR Hollister (3612174) OR San Juan Bautista (3612175) OR Prunedale (3612176) OR Watsonville East (3612186)) AND (Federal Listing Status IS Threatened OR Proposed Endangered OR Proposed Threatened OR Candidate OR All CNDDDB element occurrences OR Delisted) OR State Listing Status (Endangered OR Threatened OR Rare OR Delisted OR Candidate Endangered OR Candidate Threatened))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Adela oplerella</i> Opler's longhorn moth	IILEE0G040	None	None	G2	S2	
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	Threatened	G1G2	S1S2	SSC
<i>Ambystoma californiense pop. 1</i> California tiger salamander - central California DPS	AAAAA01181	Threatened	Threatened	G2G3T3	S3	WL
<i>Ambystoma macrodactylum croceum</i> Santa Cruz long-toed salamander	AAAAA01082	Endangered	Endangered	G5T1T2	S1S2	FP
<i>Aneides niger</i> Santa Cruz black salamander	AAAAD01070	None	None	G3	S3	SSC
<i>Anniella pulchra</i> Northern California legless lizard	ARACC01020	None	None	G3	S3	SSC
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G4	S3	SSC
<i>Aquila chrysaetos</i> golden eagle	ABNKC22010	None	None	G5	S3	FP
<i>Arctostaphylos andersonii</i> Anderson's manzanita	PDERI04030	None	None	G2	S2	1B.2
<i>Arctostaphylos hookeri ssp. hookeri</i> Hooker's manzanita	PDERI040J1	None	None	G3T2	S2	1B.2
<i>Arctostaphylos pajoensis</i> Pajaro manzanita	PDERI04100	None	None	G1	S1	1B.1
<i>Astragalus tener var. tener</i> alkali milk-vetch	PDFAB0F8R1	None	None	G2T1	S1	1B.2
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	None	G4	S3	SSC
<i>Balsamorhiza macrolepis</i> big-scale balsamroot	PDAST11061	None	None	G2	S2	1B.2
<i>Bombus caliginosus</i> obscure bumble bee	IIHYM24380	None	None	G2G3	S1S2	
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	None	G2	S1S2	
<i>Bombus occidentalis</i> western bumble bee	IIHYM24250	None	None	G2G3	S1	



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S3	
<i>Campanula exigua</i> chaparral harebell	PDCAM020A0	None	None	G2	S2	1B.2
<i>Castilleja rubicundula var. rubicundula</i> pink creamsacs	PDSCR0D482	None	None	G5T2	S2	1B.2
<i>Central Maritime Chaparral</i> Central Maritime Chaparral	CTT37C20CA	None	None	G2	S2.2	
<i>Centromadia parryi ssp. congdonii</i> Congdon's tarplant	PDAST4R0P1	None	None	G3T1T2	S1S2	1B.1
<i>Chorizanthe pungens var. pungens</i> Monterey spineflower	PDPGN040M2	Threatened	None	G2T2	S2	1B.2
<i>Cirsium fontinale var. campylon</i> Mt. Hamilton thistle	PDAST2E163	None	None	G2T2	S2	1B.2
<i>Coastal Brackish Marsh</i> Coastal Brackish Marsh	CTT52200CA	None	None	G2	S2.1	
<i>Cordylanthus rigidus ssp. littoralis</i> seaside bird's-beak	PDSCR0J0P2	None	Endangered	G5T2	S2	1B.1
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	AMACC08010	None	None	G4	S2	SSC
<i>Deinandra halliana</i> Hall's tarplant	PDAST4R0C0	None	None	G3	S3	1B.2
<i>Delphinium californicum ssp. interius</i> Hospital Canyon larkspur	PDRAN0B0A2	None	None	G3T3	S3	1B.2
<i>Dicamptodon ensatus</i> California giant salamander	AAAAH01020	None	None	G2G3	S2S3	SSC
<i>Dipodomys venustus venustus</i> Santa Cruz kangaroo rat	AMAFD03042	None	None	G4T1	S1	
<i>Dudleya abramsii ssp. setchellii</i> Santa Clara Valley dudleya	PDCRA040Z0	Endangered	None	G4T2	S2	1B.1
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Ericameria fasciculata</i> Eastwood's goldenbush	PDAST3L080	None	None	G2	S2	1B.1
<i>Eriogonum nortonii</i> Pinnacles buckwheat	PDPGN08470	None	None	G2	S2	1B.3
<i>Eryngium aristulatum var. hooveri</i> Hoover's button-celery	PDAP10Z043	None	None	G5T1	S1	1B.1
<i>Eumops perotis californicus</i> western mastiff bat	AMACD02011	None	None	G4G5T4	S3S4	SSC



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Euphydryas editha bayensis</i> Bay checkerspot butterfly	IILEPK4055	Threatened	None	G5T1	S1	
<i>Extriplex joaquinana</i> San Joaquin spearscale	PDCHE041F3	None	None	G2	S2	1B.2
<i>Falco columbarius</i> merlin	ABNKD06030	None	None	G5	S3S4	WL
<i>Fritillaria liliacea</i> fragrant fritillary	PMLIL0V0C0	None	None	G2	S2	1B.2
<i>Gonidea angulata</i> western ridged mussel	IMBIV19010	None	None	G3	S1S2	
<i>Helminthoglypta sequoicola consors</i> redwood shoulderband	IMGASC2421	None	None	G2T1	S1	
<i>Hesperoleucus venustus subditus</i> southern coastal roach	AFCJB19032	None	None	GNRT2	S2	SSC
<i>Hoita strobilina</i> Loma Prieta hoita	PDFAB5Z030	None	None	G2?	S2?	1B.1
<i>Holocarpha macradenia</i> Santa Cruz tarplant	PDAST4X020	Threatened	Endangered	G1	S1	1B.1
<i>Lasiurus blossevillii</i> western red bat	AMACC05060	None	None	G4	S3	SSC
<i>Lasiurus cinereus</i> hoary bat	AMACC05030	None	None	G3G4	S4	
<i>Lavinia exilicauda harengus</i> Monterey hitch	AFCJB19013	None	None	G4T3	S3	SSC
<i>Legenere limosa</i> legenere	PDCAM0C010	None	None	G2	S2	1B.1
<i>Lessingia micradenia var. glabrata</i> smooth lessingia	PDAST5S062	None	None	G2T2	S2	1B.2
<i>Linderiella occidentalis</i> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<i>Malacothamnus aboriginum</i> Indian Valley bush-mallow	PDMAL0Q020	None	None	G3	S3	1B.2
<i>Malacothamnus arcuatus</i> arcuate bush-mallow	PDMAL0Q0E0	None	None	G2Q	S2	1B.2
<i>Masticophis flagellum ruddocki</i> San Joaquin coachwhip	ARADB21021	None	None	G5T2T3	S2?	SSC
<i>Monolopia gracilens</i> woodland woollythreads	PDAST6G010	None	None	G3	S3	1B.2
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	PDPLM0C0Q0	None	None	G2	S2	1B.2
<i>Northern Coastal Salt Marsh</i> Northern Coastal Salt Marsh	CTT52110CA	None	None	G3	S3.2	



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Oncorhynchus mykiss irideus pop. 9</i> steelhead - south-central California coast DPS	AFCHA0209H	Threatened	None	G5T2Q	S2	
<i>Optioservus canus</i> Pinnacles optioservus riffle beetle	IICOL5E020	None	None	G2	S1	
<i>Penstemon rattanii var. kleei</i> Santa Cruz Mountains beardtongue	PDSCR1L5B1	None	None	G4T2	S2	1B.2
<i>Phrynosoma blainvillii</i> coast horned lizard	ARACF12100	None	None	G3G4	S3S4	SSC
<i>Piperia yadonii</i> Yadon's rein orchid	PMORC1X070	Endangered	None	G1	S1	1B.1
<i>Plagiobothrys diffusus</i> San Francisco popcornflower	PDBOR0V080	None	Endangered	G1Q	S1	1B.1
<i>Plagiobothrys glaber</i> hairless popcornflower	PDBOR0V0B0	None	None	GX	SX	1A
<i>Puccinellia simplex</i> California alkali grass	PMPOA53110	None	None	G3	S2	1B.2
<i>Rallus obsoletus obsoletus</i> California Ridgway's rail	ABNME05011	Endangered	Endangered	G3T1	S1	FP
<i>Rana boylei</i> foothill yellow-legged frog	AAABH01050	None	Endangered	G3	S3	SSC
<i>Rana draytonii</i> California red-legged frog	AAABH01022	Threatened	None	G2G3	S2S3	SSC
<i>Reithrodontomys megalotis distichlis</i> Salinas harvest mouse	AMAFF02032	None	None	G5T1	S1	
<i>Riparia riparia</i> bank swallow	ABPAU08010	None	Threatened	G5	S2	
<i>Rosa pinetorum</i> pine rose	PDROS1J0W0	None	None	G2	S2	1B.2
<i>Spea hammondi</i> western spadefoot	AAABF02020	None	None	G2G3	S3	SSC
<i>Streptanthus albidus ssp. peramoenus</i> most beautiful jewelflower	PDBRA2G012	None	None	G2T2	S2	1B.2
<i>Sycamore Alluvial Woodland</i> Sycamore Alluvial Woodland	CTT62100CA	None	None	G1	S1.1	
<i>Taricha torosa</i> Coast Range newt	AAAAF02032	None	None	G4	S4	SSC
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Trifolium hydrophilum</i> saline clover	PDFAB400R5	None	None	G2	S2	1B.2
<i>Tryonia imitator</i> mimic tryonia (=California brackishwater snail)	IMGASJ7040	None	None	G2	S2	



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Vireo bellii pusillus</i> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	
<i>Vulpes macrotis mutica</i> San Joaquin kit fox	AMAJA03041	Endangered	Threatened	G4T2	S2	

Record Count: 82



Multiple Occurrences per Page
California Department of Fish and Wildlife
California Natural Diversity Database



Query Criteria: Quad

<i>Ambystoma macrodactylum croceum</i>		Element Code: AAAAA01082	
Santa Cruz long-toed salamander			
Listing Status:	Federal: Endangered	CNDDDB Element Ranks:	Global: G5T1T2
	State: Endangered		State: S1S2
	Other: CDFW_FP-Fully Protected		
Habitat:	General: WET MEADOWS NEAR SEA LEVEL IN A FEW RESTRICTED LOCALES IN SANTA CRUZ AND MONTEREY COUNTIES.		
	Micro: AQUATIC LARVAE PREFER SHALLOW (<12 INCHES) WATER, USING CLUMPS OF VEGETATION OR DEBRIS FOR COVER. ADULTS USE MAMMAL BURROWS.		

Occurrence No.	1	Map Index: 20311	EO Index: 8659	Element Last Seen: 2006-05-18
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen: 2006-05-18
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated: 2019-07-11

Quad Summary: Prunedale (3612176)
County Summary: Monterey

Lat/Long:	36.79281 / -121.73433	Accuracy:	non-specific area
UTM:	Zone-10 N4072635 E612920	Elevation (ft):	35
PLSS:	T13S, R02E, Sec. 15 (M)	Acres:	94.0

Location: NORTHERN CORNER OF MORO COJO SLOUGH, AT THE INTERSECTION OF CASTROVILLE, DOLAN, AND SHAFFI ROADS, MOSS LANDING.
Detailed Location: LARVAE ABUNDANT UNDER TYPHA MATS WHEN FIRST DISCOVERED IN 1978 IN THE NW CORNER OF THE SLOUGH.
Ecological: HABITAT IS AN EPHEMERAL POND/SLOUGH, DOMINATED BY WILLOWS, CATTAILS, AND SPIKE RUSH; SURROUNDED ON THREE SIDES BY STEEP, GRASSY HILLS WITH SCATTERED OAKS. AMBYSTOMA CALIFORNIENSE ALSO OCCURS HERE.
General: DISCOVERED IN 1978. SITE APPEARED EXTANT IN 1988; NO SALAMANDERS OBSERVED DUE TO TIME OF YEAR (MID-DEC). NONE FOUND BTWN FEB & JUN 1989. 3 LARVAE CAUGHT/RELEASED ON 18 MAY 2006; 8 LARVAE, IDENTIFIED AS AMBYSTOMA SP, ALSO CAPTURED.
Owner/Manager: PVT



Multiple Occurrences per Page
California Department of Fish and Wildlife
California Natural Diversity Database



Occurrence No.	12	Map Index: 47467	EO Index: 47467	Element Last Seen:	2009-06-15
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-11-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-07-11
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.77979 / -121.72872		Accuracy:	non-specific area	
UTM:	Zone-10 N4071197 E613440		Elevation (ft):	10	
PLSS:	T13S, R02E, Sec. 22 (M)		Acres:	116.0	
Location:	UPPER MORO COJO SLOUGH, SE OF CASTROVILLE BOULEVARD, NW OF HIGHWAY 156, AND SOUTH OF MERIDIAN ROAD, NE OF CASTROVILLE.				
Detailed Location:	WETLAND COMPLEX BEHIND NORTH MONTEREY COUNTY HIGH SCHOOL. ONE EASTERN TIGER SALAMDER (AMBYSTOMA TIGRINUM) ALSO CAPTURED AT THIS SITE (1990).				
Ecological:	SLOUGH SURROUNDED BY GRADED ANNUAL GRASSLAND & RUDERAL GROWTH, STRAWBERRY FIELDS, OAK WOODLANDS & ENCROACHING DEV. WETLAND IN FAIRLY GOOD SHAPE; THREATS MOST LIKELY TO UPLAND HABITAT. HABITAT IMPROVEMENT PROJ OCCURRED IN 2017.				
General:	2 JUVS & 2 GRAVID FEMALES, 1990. 1 ADULT & 9 SUBADULTS, 2006. 3 AD, 10 5 JAN 2007. 12 LARVAE APR 2007. 7 JUV MAY 2007. 5 AD, 20 JUV OCT 2007. 3 AD, 19 JUV IN 2008. ~20 IN 2009. NONE IN 2017 VEGETATION PROJ - UNCLEAR IF SURVEYED.				
Owner/Manager:	PVT, NORTH MONTEREY COUNTY HS				
Occurrence No.	15	Map Index: 52999	EO Index: 52999	Element Last Seen:	2012-01-27
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2012-01-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-07-16
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.81723 / -121.7306		Accuracy:	non-specific area	
UTM:	Zone-10 N4075350 E613219		Elevation (ft):	122	
PLSS:	T13S, R02E, Sec. 10, NE (M)		Acres:	15.0	
Location:	NEXT TO THE ELKHORN SLOUGH NATIONAL ESTUARINE RESEARCH RESERVE HEADQUARTERS.				
Detailed Location:	2004 COLLECTION FROM NEAR THE CENTER DIVIDE IN THE VISITOR CENTER PARKING LOT. 2009 SIGHTING IN SHOWER OF RESERCH BUILDING.				
Ecological:	MOSTLY NATIVE PLANT LANDSCAPE (WHITE ALDER, PINK FLOWERING CURRANT, PACIFIC SILVERWEED, CALIFORNIA ASTER, BLUE WILD RYE, & CALIFORNIA BROME), BUT SOME INVASIVE PLANTS ALSO OBSERVED. SURROUNDING AREA IS OAK WOODLAND & GRASSLAND.				
General:	INCIDENTAL OBS OF ADULT AT NIGHT, 2003. DOR SALAMANDER COLLECTED IN 2004. 1 FOUND IN SHOWER STALL IN BUILDING & MOVED TO FRESHWATER SOURCE 30M AWAY IN 2009. 1 ADULT FOUND UNDER COVER IN OAK WOODLAND NW OF PARKING AREA IN 2012.				
Owner/Manager:	DFG-ELKHORN SLOUGH ER				



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California Department of Fish and Wildlife
California Natural Diversity Database



Occurrence No.	20	Map Index: 70828	EO Index: 71746	Element Last Seen:	2015-05-21
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-05-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-07-11

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.85836 / -121.71251	Accuracy:	non-specific area
UTM:	Zone-10 N4079934 E614770	Elevation (ft):	19
PLSS:	T12S, R02E, Sec. 26, SE (M)	Acres:	25.0

Location: ABOUT 0.3 MI WSW OF JOHNSON RD AT HALL RD (G12), 1.7 MI E OF THE N END OF ELKHORN SLOUGH, 4 MI SE OF WATSONVILLE.

Detailed Location: PONDS SOUTH OF HALL ROAD AND NW OF LIVE OAK ROAD - FORMER OXBOW OF CARNEROS CREEK. SMALLER PONDS CREATED IN 2012 AS PART OF WETLAND RESTORATION PROJECT.

Ecological: SOUTHMOST POND (40X450FT) HAD WATER TEA COLORED, 8-10 INCHES DEEP, WITH THIN FILM OF PEAT OIL? ON SURFACE IN 2007. HYLEA TADPOLES ALSO OBSERVED. ADJACENT CREEK OCCASIONALLY FLOODS POND AREAS. SURROUNDING LANDSCAPE MAINLY AGRICULTURE FIELDS.

General: 3 LARVAE CAPTURED, 10 MAY 2007, CAPTURE RATE LOW FOR EFFORT. 50+ LARVAE FOUND ON 1 MAY 2013. 1 LARVAE FOUND ON 21 MAY 2015.

Owner/Manager: PVT-ALBA/TRIPLE M RANCH

Occurrence No.	26	Map Index: B3436	EO Index: 115351	Element Last Seen:	2015-06-15
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-07-16

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.82055 / -121.73073	Accuracy:	specific area
UTM:	Zone-10 N4075717 E613202	Elevation (ft):	11
PLSS:	T13S, R02E, Sec. 10, NE (M)	Acres:	11.0

Location: "LOWER CATTAIL SWALE," ELKHORN RD, ABOUT 1 MILE S OF ITS INTERSECTION WITH STRAWBERRY RD, ELKHORN SLOUGH ER.

Detailed Location: ON WEST SIDE OF ELKHORN RD.

Ecological: SEMI-PERENNIAL POND FED BY RAINFALL. NEXT TO SALT MARSH & MAINTAINED AS FRESHWATER VIA SEALED TIDE GATE. SURROUNDED BY OAK WOODLAND AND SOME EUCALYPTUS STANDS. AMBYSTOMA CALIFORNIENSE & RANA DRAYTONII ALSO OCCUR IN POND.

General: SCLTS KNOWN TO BREED IN POND SINCE AT LEAST 1997. ~20 ADULTS & ~20 JUVENILES OBSERVED ON 1 MAY 2006. 1 ADULT FOUND UNDER COVER BOARD EAST OF POND ON 13 APR 2012. 3 LARVAE OBSERVED ON 20 APR, ~20 ON 25 APR AND 20+ ON 15 JUN 2015.

Owner/Manager: DFG-ELKHORN SLOUGH ER



Multiple Occurrences per Page
California Department of Fish and Wildlife
California Natural Diversity Database



Occurrence No.	27	Map Index:	68095	EO Index:	115352	Element Last Seen:	2011-03-27
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2011-03-27	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2019-07-15	
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.77040 / -121.72964			Accuracy:	specific area		
UTM:	Zone-10 N4070155 E613372			Elevation (ft):	10		
PLSS:	T13S, R02E, Sec. 27 (M)			Acres:	10.0		
Location:	UPPERMOST REACH OF MORO COJO SOUGH SOUTH ARM, ON SOUTH SIDE OF HWY 156. EAST OF CASTROVILLE.						
Detailed Location:							
Ecological:	SEASONAL FRESHWATER MARSH ISOLATED FROM MAIN SLOUGH BY HWY 156, OPEN WATER HABITAT EXTENSIVE WHEN SLOUGH FILLS. CATTAILS, BULRUSH AND DENSE MATS OF SMARTWEED LINE THE SHORELINE. SURROUNDED BY GRASSLAND PATCHES AND AGRICULTURAL FIELDS.						
General:	15 ADULTS AND 63 JUVENILES CAUGHT IN PITFALL TRAP/DRIFT FENCE STUDY BETWEEN 24 OCT AND 30 DEC 2010. 11 JUVENILES AND 15 LARVAE FOUND BETWEEN 2 JAN AND 27 MAR 2011.						
Owner/Manager:	PVT						

<i>Ambystoma californiense pop. 1</i>	Element Code:	AAAAA01181
California tiger salamander - central California DPS		
Listing Status:	Federal:	Threatened
	State:	Threatened
	Other:	CDFW_WL-Watch List, IUCN_VU-Vulnerable
Habitat:	General:	LIVES IN VACANT OR MAMMAL-OCCUPIED BURROWS THROUGHOUT MOST OF THE YEAR; IN GRASSLAND, SAVANNA, OR OPEN WOODLAND HABITATS.
	Micro:	NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS, AND VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING.
CNDBB Element Ranks:	Global:	G2G3T3
	State:	S3

Occurrence No.	42	Map Index:	30823	EO Index:	3816	Element Last Seen:	2005-12-02
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2005-12-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-10-05	
Quad Summary:	Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.05103 / -121.62871			Accuracy:	non-specific area		
UTM:	Zone-10 N4101412 E621933			Elevation (ft):	450		
PLSS:	T10S, R03E, Sec. 22 (M)			Acres:	27.4		
Location:	LIONS CREEK, NORTH OF DAY ROAD, ABOUT 5 MILES SOUTH OF MORGAN HILL.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A FORMER STOCK POND ON LIONS CREEK, SURROUNDED BY GRAZED, NON-NATIVE GRASSLAND & SCATTERED OAKS ON STEEP SLOPES. STOCK POND DAM MAINTENANCE ACTIVITIES RESULTED IN POOR PONDING CONDITIONS; STREAM FLOWS THROUGH A DAM CUT.						
General:	2 ADULTS OBSERVED IN THE VICINITY OF THE RANCH BUILDINGS IN DEC 1992. 3 ADULTS OBSERVED (2 IN STOCK POND, 1 IN GRASSLAND) ON 8 FEB 1993. 1 FEMALE TRAPPED ON 29 NOV 2005; 20 MALES, 6 FEMALES, AND 3 JUVENILES TRAPPED ON 2 DEC 2005.						
Owner/Manager:	PVT						



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Occurrence No.	76	Map Index: A2440	EO Index: 4112	Element Last Seen:	2016-04-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-04-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-01-12
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82629 / -121.72849		Accuracy:	specific area	
UTM:	Zone-10 N4076357 E613393		Elevation (ft):	25	
PLSS:	T13S, R02E, Sec. 3, SE (M)		Acres:	33.0	
Location:	FROM ABOUT 0.25 MI SW TO 0.5 MILES ESE OF ELKHORN RD AT STRAWBERRY RD, ABOUT 4 MILES NORTH OF CASTROVILLE.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES. ADULTS MAINLY OBSERVED ALONG STRAWBERRY RD. LARVAE OBSERVED IN HOWELL POND AT (36.82712, -121.73034) AND RANA POND AT (36.82567, -121.73514).				
Ecological:	1988: BREEDING HABITAT IN FRESHWATER MARSH, PART OF ELKHORN SLOUGH ER. 2014: CTS CROSSING ROAD IN MULTIPLE DIRECTIONS ON RAINY NIGHT. 2015: FRESHWATER POND ON PRIVATE LAND S OF ROAD MAY BE BREEDING SITE. 2016: BREEDING PONDS ON RESERVE.				
General:	1 ADULT FOUND DEAD ON ROAD, 16 NOV 1988, DEPOSITED IN MVZ. MIGRATION OBSERVED NOV-DEC 2014; ABOUT 75 OBS ON 11 DEC; 10 DORS SENT TO UCLA FOR DNA ANALYSIS. 10 ADULTS OBS 8 NOV 2015. 2 LARVAE OBS ON 16 APR & 3 ON 26 APR 2016.				
Owner/Manager:	MNT COUNTY, PVT, DFG				
Occurrence No.	77	Map Index: 30882	EO Index: 4131	Element Last Seen:	2008-02-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2008-02-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-05-29
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.05917 / -121.40943		Accuracy:	80 meters	
UTM:	Zone-10 N4102619 E641417		Elevation (ft):	1920	
PLSS:	T10S, R05E, Sec. 15, SE (M)		Acres:	0.0	
Location:	ALONG THE WEST SIDE OF PHLEGLEY RIDGE, HENRY W. COE STATE PARK.				
Detailed Location:	POND SITE C-60 IS LOCATED WEST OF DIRT ROAD. SITE IS IN A NEW ADDITION TO HENRY W. COE STATE PARK - AREA IS STILL GRAZED AND NOT YET OPEN TO THE PUBLIC (1994).				
Ecological:	HABITAT CONSISTS OF A SEASONAL STOCK POND IN NON-NATIVE GRASSLAND WITH OAK WOODLANDS NEARBY. POND RETAINS WATER WELL INTO THE DRY SEASON. IT RETAINS AT LEAST SOME WATER IN ALL BUT THE DRIEST YEARS.				
General:	30+ LARVAE OBSERVED ON 23 MAY 1994. 3 ADULTS AND 100'S OF EGGS OBSERVED IN THE POND ON 5 FEB 2008. RANA DRAYTONII DETECTED AT SITE IN PREVIOUS YEARS, BUT NOT DURING 2008.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	78	Map Index: 30881	EO Index: 4132	Element Last Seen:	2003-04-06
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-04-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-22

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.07268 / -121.40665	Accuracy:	80 meters
UTM:	Zone-10 N4104122 E641640	Elevation (ft):	1780
PLSS:	T10S, R05E, Sec. 15, NE (M)	Acres:	0.0

Location: AT THE SOUTH EDGE OF VASQUEZ PEAK, HENRY W. COE STATE PARK.
Detailed Location: SITE IS LOCATED IN A NEWLY-ACQUIRED ADDITION TO HENRY W. COE STATE PARK - AREA IS GRAZED AND IS NOT YET OPEN TO THE PUBLIC.
Ecological: HABITAT CONSISTS OF A SEASONAL STOCK POND IN NON-NATIVE GRASSLAND/OAK SAVANNA.
General: 10 LARVAE OBSERVED ON 23 MAY 1994. 22 LARVAE OBSERVED ON 6 APR 2003.
Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	79	Map Index: 30880	EO Index: 4133	Element Last Seen:	1994-05-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1994-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-11-14

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.07778 / -121.43621	Accuracy:	80 meters
UTM:	Zone-10 N4104644 E639002	Elevation (ft):	2000
PLSS:	T10S, R05E, Sec. 09, SW (M)	Acres:	0.0

Location: BETWEEN BRAEN CANYON AND COON HUNTERS GULCH, 1 MILE NE OF HUNTING HOLLOW, HENRY W. COE STATE PARK.
Detailed Location: SITE IS LOCATED A IN A NEW ADDITION TO THE PARK - AREA IS GRAZED AND NOT YET OPEN TO THE PUBLIC.
Ecological: HABITAT CONSISTS OF A SEASONAL STOCK POND IN NON-NATIVE GRASSLAND HABITAT.
General: <10 LARVAE OBSERVED ON 25 MAY 1994.
Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	93	Map Index: 26005	EO Index: 5062	Element Last Seen:	1991-05-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-05-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2001-11-01

Quad Summary: San Juan Bautista (3612175)
County Summary: San Benito

Lat/Long:	36.84849 / -121.55052	Accuracy:	specific area
UTM:	Zone-10 N4079045 E629228	Elevation (ft):	300
PLSS:	T12S, R04E, Sec. 32 (M)	Acres:	4.4

Location: NORTH SIDE OF HWY 156, 0.25 MILE WEST OF THE MONTEREY STREET EXIT, SAN JUAN BAUTISTA.
Detailed Location: SITE LOCATED 150 FEET NORTH OF HWY 156.
Ecological:
General: SHAFFER SITE #248. CTS PRESENT ON 27 MAY 1991; NUMBER AND LIFESTAGE UNKNOWN. 18 MAR 1918 CAS RECORD FROM "VICINITY NORTH OF SAN JUAN".
Owner/Manager: UNKNOWN



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Occurrence No.	94	Map Index: 26004	EO Index: 5140	Element Last Seen:	1991-05-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-05-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1996-04-23
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.89235 / -121.47269		Accuracy:	specific area	
UTM:	Zone-10 N4084019 E636090		Elevation (ft):	230	
PLSS:	T12S, R04E, Sec. 13 (M)		Acres:	6.5	
Location:	0.2 MILE SOUTH OF THE HUDNER LANE TERMINUS IN THE FLINT HILLS, 5 MILES NW OF HOLLISTER.				
Detailed Location:					
Ecological:					
General:	SHAFFER SITE #250. CTS PRESENT ON 27 MAY 1991; NUMBER AND LIFESTAGE UNKNOWN.				
Owner/Manager:	UNKNOWN				
Occurrence No.	101	Map Index: 25578	EO Index: 5491	Element Last Seen:	1991-05-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-05-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1996-01-03
Quad Summary:	San Juan Bautista (3612175)				
County Summary:	Monterey				
Lat/Long:	36.78648 / -121.58920		Accuracy:	1/5 mile	
UTM:	Zone-10 N4072114 E625880		Elevation (ft):	300	
PLSS:	T13S, R03E, Sec. 24 (M)		Acres:	0.0	
Location:	ALONG SAN JUAN GRADE, 1.25 MILES NE OF CRAZY HORSE CANYON ROAD, 5 MILES SW OF SAN JUAN BAUTISTA.				
Detailed Location:					
Ecological:					
General:	SHAFFER SITE #162. CTS PRESENT ON 1 MAY 1991; NUMBER AND LIFESTAGE UNKNOWN.				
Owner/Manager:	UNKNOWN				
Occurrence No.	132	Map Index: 24660	EO Index: 6551	Element Last Seen:	2017-05-27
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-05-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-02-13
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.94156 / -121.55587		Accuracy:	80 meters	
UTM:	Zone-10 N4089363 E628595		Elevation (ft):	175	
PLSS:	T11S, R04E, Sec. 29 (M)		Acres:	0.0	
Location:	ABOUT 0.2 MILE WEST OF HWY 101, SOUTH OF TICK CREEK, 1.4 MILES SOUTH OF THE HWY 25 JUNCTION, 4 MILES SOUTH OF GILROY.				
Detailed Location:	POND #37 IN 2017 REPORT. ACCORDING TO REPORT, THIS POND IS HYDROLOGICALLY CONNECTED TO THE AQUATIC FEATURES ABOUT 0.3 MILES NORTH, AT EOS #405 & 407.				
Ecological:	HABITAT CONSISTED OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.				
General:	10 JUVENILES OBSERVED DURING SURVEY, MAR-JUN 1992. DETECTED, 2000-2015. 45 ALMOST FULLY-DEVELOPED METAMORPHS OBS 27 MAY 2017; THEY WERE PRESUMED HYBRIDS BASED ON THE PRESENCE OF A. TIGRINUM BREEDING POND 0.32 MI TO THE NORTH (EO #405).				
Owner/Manager:	PVT				



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Occurrence No.	141	Map Index: 24501	EO Index: 6596	Element Last Seen:	1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-11-03
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.96395 / -121.39506		Accuracy:	80 meters	
UTM:	Zone-10 N4092076 E642874		Elevation (ft):	350	
PLSS:	T11S, R05E, Sec. 23 (M)		Acres:	0.0	
Location:	NORTH SIDE OF PACHECO PASS HWY, 0.7 MILE WEST OF THE HWY 156 JUNCTION, 7 MILES NORTH OF HOLLISTER.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.				
General:	2 YOUNG FOUND AT THIS SITE DURING SURVEYS CONDUCTED MARCH-JUNE 1992.				
Owner/Manager:	PVT				
Occurrence No.	142	Map Index: 24500	EO Index: 6597	Element Last Seen:	1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-11-03
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.96435 / -121.40269		Accuracy:	80 meters	
UTM:	Zone-10 N4092109 E642194		Elevation (ft):	400	
PLSS:	T11S, R05E, Sec. 22 (M)		Acres:	0.0	
Location:	0.25 MILE NORTH OF PACHECO PASS HWY, 1.1 MILES WEST OF THE HWY 156 JUNCTION, 7 MILES NORTH OF HOLLISTER.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.				
General:	10+ YOUNG OBSERVED DURING A 1992 SURVEY CONDUCTED MARCH-JUNE.				
Owner/Manager:	PVT				
Occurrence No.	143	Map Index: 24499	EO Index: 6598	Element Last Seen:	1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-11-03
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.96566 / -121.40615		Accuracy:	80 meters	
UTM:	Zone-10 N4092249 E641883		Elevation (ft):	310	
PLSS:	T11S, R05E, Sec. 22 (M)		Acres:	0.0	
Location:	0.15 MILE NORTH OF PACHECO PASS HWY, 1.25 MILES WEST OF THE HWY 156 JUNCTION, 7 MILES NORTH OF HOLLISTER.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.				
General:	10-20+ YOUNG OBSERVED DURING SURVEYS CONDUCTED MARCH-JUNE 1992.				
Owner/Manager:	PVT				



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Occurrence No.	144	Map Index: 24498	EO Index: 6599	Element Last Seen:	1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-11-03
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.97312 / -121.42643		Accuracy:	80 meters	
UTM:	Zone-10 N4093047 E640064		Elevation (ft):	160	
PLSS:	T11S, R05E, Sec. 16 (M)		Acres:	0.0	
Location:	NORTH SIDE OF PACHECO PASS HWY, 2.4 MILES WEST OF THE HWY 156 JUNCTION, 9 MILES EAST OF GILROY.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.				
General:	10-20+ YOUNG OBSERVED DURING SURVEYS CONDUCTED MARCH-JUNE 1992.				
Owner/Manager:	PVT				

Occurrence No.	145	Map Index: 24497	EO Index: 6600	Element Last Seen:	1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-11-03
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.97429 / -121.43108		Accuracy:	80 meters	
UTM:	Zone-10 N4093170 E639647		Elevation (ft):	250	
PLSS:	T11S, R05E, Sec. 16 (M)		Acres:	0.0	
Location:	0.15 MILE NORTH OF PACHECO PASS HWY, 0.75 MILE WEST OF THE SAN FELIPE ROAD JUNCTION, 9 MILES EAST OF GILROY.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.				
General:	20+ YOUNG OBSERVED DURING A SURVEY CONDUCTED DURING MARCH-JUNE 1992.				
Owner/Manager:	PVT				

Occurrence No.	146	Map Index: 24496	EO Index: 6601	Element Last Seen:	1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-11-03
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.99085 / -121.44693		Accuracy:	80 meters	
UTM:	Zone-10 N4094984 E638207		Elevation (ft):	200	
PLSS:	T11S, R05E, Sec. 08 (M)		Acres:	0.0	
Location:	0.2 MILE NORTH OF PACHECO PASS HWY, 2 MILES NW OF THE LOVERS LANE JUNCTION, 8 MILES EAST OF GILROY.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.				
General:	40+ YOUNG OBSERVED DURING A SURVEY CONDUCTED DURING MARCH-JUNE 1992.				
Owner/Manager:	PVT				



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Occurrence No.	147	Map Index: 24495	EO Index: 6602	Element Last Seen: 1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1995-11-15

Quad Summary: San Felipe (3612184)

County Summary: Santa Clara

Lat/Long:	36.98967 / -121.45298	Accuracy:	80 meters
UTM:	Zone-10 N4094844 E637671	Elevation (ft):	200
PLSS:	T11S, R05E, Sec. 08 (M)	Acres:	0.0

Location: 0.1 MILE NORTH OF PACHECO PASS HWY, 0.5 MILE NE OF SAN FELIPE LAKE, 8 MILES EAST OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.

General: 20+ YOUNG OBSERVED DURING A SURVEY CONDUCTED MARCH-JUNE 1992.

Owner/Manager: PVT

Occurrence No.	148	Map Index: 24494	EO Index: 6603	Element Last Seen: 1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1993-11-04

Quad Summary: San Felipe (3612184)

County Summary: Santa Clara

Lat/Long:	36.98430 / -121.46518	Accuracy:	80 meters
UTM:	Zone-10 N4094231 E636594	Elevation (ft):	180
PLSS:	T11S, R05E, Sec. 07 (M)	Acres:	0.0

Location: JUST NORTH OF PACHECO PASS HWY, NW OF SAN FELIPE LAKE, 7 MILES EAST OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.

General: MANY YOUNG OBSERVED DURING A MARCH-JUNE 1992 SURVEY.

Owner/Manager: PVT

Occurrence No.	149	Map Index: 24493	EO Index: 6604	Element Last Seen: 1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1993-12-30

Quad Summary: San Felipe (3612184)

County Summary: Santa Clara

Lat/Long:	36.98752 / -121.48703	Accuracy:	80 meters
UTM:	Zone-10 N4094557 E634644	Elevation (ft):	150
PLSS:	T11S, R04E, Sec. 12 (M)	Acres:	0.0

Location: JUST EAST OF THE BLOOMFIELD AVENUE INTERSECTION WITH PACHECO PASS HWY, 6 MILES EAST OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY GRASSLAND AND VALLEY OAKS.

General: 25+ YOUNG OBSERVED DURING A MARCH-JUNE 1992 SURVEY.

Owner/Manager: PVT



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Occurrence No.	186	Map Index:	17384	EO Index:	11941	Element Last Seen:	1990-04-04
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1990-04-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1991-02-05	

Quad Summary: San Felipe (3612184)

County Summary: San Benito

Lat/Long:	36.95585 / -121.38535	Accuracy:	80 meters
UTM:	Zone-10 N4091192 E643753	Elevation (ft):	250
PLSS:	T11S, R05E, Sec. 23 (M)	Acres:	0.0

Location: JUST WEST OF ROUTE 156, 0.25 SOUTH OF THE BARNHEISEL ROAD JUNCTION, APPROXIMATELY 4.5 MI NNE OF HOLLISTER MUNI AIRPORT.

Detailed Location: 200-300 INDIVIDUALS OBSERVED IN A STOCK POND USED BY CATTLE.

Ecological: SURROUNDING HABITAT IS GRASSLAND/OAK WOODLAND.

General: THE STOCK POND DRIED UP EARLY IN 1990 DUE TO DROUGHT CONDITIONS.

Owner/Manager: PVT

Occurrence No.	190	Map Index:	17099	EO Index:	12082	Element Last Seen:	2002-04-29
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2002-04-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-05-13	

Quad Summary: San Juan Bautista (3612175)

County Summary: Monterey

Lat/Long:	36.81080 / -121.62417	Accuracy:	80 meters
UTM:	Zone-10 N4074768 E622721	Elevation (ft):	570
PLSS:	T13S, R03E, Sec. 10, SE (M)	Acres:	0.0

Location: EAST SIDE OF CRAZY HORSE CANYON RD, 0.75 ROAD MILES SE FROM JUNCTION OF HWY 101 & CRAZY HORSE CANYON RD, SALINAS.

Detailed Location: RE-MAPPED TO PROVIDED COORDINATES, MAP, & DISCUSSION OF PREVIOUS LOCATIONS IN SIE01F0002.

Ecological: VERNAL POOL IN GRASSLAND HABITAT AT BASE OF A HILL. MODERATE TO EXTENSIVE COVER OF BUNCH GRASSES & LOW GROWING FORBS. WATER CLEAR & ABOUT 6 INCHES DEEP. DID NOT APPEAR TO BE RECENTLY GRAZED. SQUIRREL BURROWS ON STEEP SLOPE TO EAST.

General: 1 ADULT FOUND DEAD & PARTIALLY EATEN 20 JAN 1990 (MANY PACIFIC TREEFROGS OBS). LARVAE OBS 19 APR & 18 LARVAE OBS 31 MAY 2001. 29 APR 2002: >100 JUV OBS & 20 COLLECTED FOR DNA ANALYSIS; 4 OF 20 COLLECTED HAD NON-NATIVE (A. TIGRINUM) MDNA.

Owner/Manager: PVT



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Occurrence No.	191	Map Index:	17098	EO Index:	12083	Element Last Seen:	2006-06-26
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2006-06-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2021-01-06	

Quad Summary: Chittenden (3612185)

County Summary: Santa Clara

Lat/Long:	36.98172 / -121.57703	Accuracy:	specific area
UTM:	Zone-10 N4093791 E626643	Elevation (ft):	240
PLSS:	T11S, R04E, Sec. 18, NW (M)	Acres:	17.6

Location: JUST WEST OF THE JUNCTION OF MILLER AVENUE (AKA MESA ROAD) AND THE PRIVATE ROAD INTO FARMAN CANYON, SOUTH OF GILROY.

Detailed Location: EAGLE RIDGE PROJECT (FORMERLY O'CONNELL RANCH POND "B"/O'CONNELL RANCH PROJECT SITE). THIS POND AND LAND TO THE NORTH AND EAST ARE DESIGNATED OPEN SPACE WITH ENCROACHING RESIDENTIAL DEVELOPMENT APPARENT IN 2004-2008 AERIALS.

Ecological: HABITAT CONSISTED OF A STOCK POND (150' X 70'); SPARSE EMERGENT VEGETATION AT NORTH END OF POND, NO SUBMERGENT VEGETATION. BREEDING HAS BEEN DOCUMENTED IN THIS POND. GROUND SQUIRREL BURROWS ARE COMMON IN THE NEARBY SERPENTINE GRASSLAND.

General: EGGS/LARVAE OBS IN 1989-1991, 1993, 1995-1996, 1998-2005. 11 LARVAE OBS 17 APR 1989. UNK NUMBER OBS 12 APR 1990. RECENT EGGS (<1 WK-OLD) OBS 17 NOV 2004. 1 JUV IN BURROW 26 JUL 2005. 1 JUV & 1 AD CAP/RELEASED ON ADJ CONSERVATION SITE, 2006.

Owner/Manager: PVT

Occurrence No.	192	Map Index:	17081	EO Index:	12093	Element Last Seen:	1990-05-02
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1990-05-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1996-10-30	

Quad Summary: San Juan Bautista (3612175), Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.77289 / -121.62857	Accuracy:	1/5 mile
UTM:	Zone-10 N4070555 E622389	Elevation (ft):	240
PLSS:	T13S, R03E, Sec. 27 (M)	Acres:	0.0

Location: ABOUT 2 MILES ESE OF PRUNDALE.

Detailed Location: LOCATED ABOUT 2500 FEET WEST OF RESIDENTIAL UNITS AT END OF HERBERT ROAD AND 800 FEET WEST OF UNPAVED ROAD.

Ecological: SPRING FED STOCK POND/RESERVOIR IN MIDST OF GRASSLAND & COAST LIVE OAK MOSAIC. ABUNDANT & DIVERSE AQUATIC VEG. WATER CLEAR, ABUNDANT Hyla & BUFO LARVAE, SOME TARICHA TOROSA LARVAE, ABUNDANT AQUATIC INVERTS.

General: 1 TIGER SALAMANDER LARVAE FOUND.

Owner/Manager: UNKNOWN



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Occurrence No.	193	Map Index:	17079	EO Index:	12094	Element Last Seen:	1990-05-02
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:			1999-03-15
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2000-03-13

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.76083 / -121.63801	Accuracy:	1/5 mile
UTM:	Zone-10 N4069205 E621566	Elevation (ft):	100
PLSS:	T13S, R03E, Sec. 33 (M)	Acres:	0.0

Location: ABOUT 2 MILES SOUTHEAST OF PRUNEDALE.

Detailed Location: FOUND APPROXIMATELY 2400 FEET EAST OF THE END OF THE END OF THE HARRISON ROAD EXTENSION, ON THE EAST SIDE OF THE ACCESS.

Ecological: STOCK POND/RESERVOIR IN NON-NATIVE GRASSLAND/COAST LIVE OAK MOSAIC. NO VEG IN POND OR AROUND MARGINS. SANDY SOILS. WATER VERY TURBID; DEPTH ABOUT 1.5 FT. AQUATIC INVERTS PRESENT.

General: 4 LARVAE (4.5 INCHES IN LENGTH) FOUND ON 2 MAY 1990; NO OTHER AMPHIBIAN LARVAE OBSERVED. DIP NET SURVEYS FOR CTS LARVAE YIELDED NO AMPHIBIANS ON 15 MAR 1999. MUCH OF SURROUNDING HABITAT HAS BEEN CONVERTED TO STRAWBERRY FIELDS.

Owner/Manager: UNKNOWN

Occurrence No.	205	Map Index:	33478	EO Index:	15031	Element Last Seen:	2010-07-08
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:			2010-07-08
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2016-08-02

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.0597 / -121.63879	Accuracy:	specific area
UTM:	Zone-10 N4102362 E621023	Elevation (ft):	476
PLSS:	T10S, R03E, Sec. 15 (M)	Acres:	12.0

Location: CORDEVALLE COUNTRY CLUB, ABOUT 0.4 MI NW OF THE LIONS PEAK SUMMIT & 1.3 MI E OF WATSONVILLE RD AT UVAS RD, NW OF GILROY.

Detailed Location: MAPPED TO PROVIDED LOCATIONS.

Ecological: IN 1995, DESCRIBED AS A STOCK POND & RANKED AS GOOD HABITAT. GOLF COURSE WAS DEVELOPED SOME TIME AFTER 1998. IN 2004, DESCRIBED AS A POND WITHIN A GOLF COURSE & RANKED AS FAIR HABITAT. ADULT SALAMANDER FOUND UNDER LOG.

General: MORE THAN 10 LARVAE OBSERVED ON 6 MARCH 1995. 1 ADULT & EGGS OBSERVED 6 & 29 JAN 2004. LARVAE DETECTED ON PROPERTY IN 2005 & 2006, EXACT LOCATIONS NOT KNOWN. 6 LARVAE DETECTED, MAY-JUL 2010.

Owner/Manager: PVT



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Occurrence No.	206	Map Index: 33477	EO Index: 15032	Element Last Seen: 1995-03-06
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen: 1995-03-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1996-09-19
Quad Summary:	Mt. Madonna (3712116)			
County Summary:	Santa Clara			
Lat/Long:	37.06919 / -121.64141		Accuracy: 80 meters	
UTM:	Zone-10 N4103411 E620775		Elevation (ft): 350	
PLSS:	T10S, R03E, Sec. 16 (M)		Acres: 0.0	
Location:	1 MILE EAST OF THE INTERSECTION OF WATSONVILLE ROAD AND SYCAMORE AVENUE, HAYES VALLEY, SOUTH OF MORGAN HILL.			
Detailed Location:				
Ecological:	HABITAT CONSISTS OF A STOCK POND WITHIN THE STREAM CHANNEL OF WEST BRANCH LLAGAS CREEK. CLEMMYS MARMORATA ALSO KNOWN FROM THIS SITE.			
General:	>10 LARVAE OBSERVED ON 6 MARCH 1995.			
Owner/Manager:	PVT			
Occurrence No.	209	Map Index: 33479	EO Index: 16699	Element Last Seen: 2011-06-01
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 2011-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-08-02
Quad Summary:	Gilroy (3712115), Mt. Madonna (3712116)			
County Summary:	Santa Clara			
Lat/Long:	37.07516 / -121.6292		Accuracy: specific area	
UTM:	Zone-10 N4104089 E621852		Elevation (ft): 551	
PLSS:	T10S, R03E, Sec. 10 (M)		Acres: 25.0	
Location:	CORDEVALLE COUNTRY CLUB; 0.5 MI SW OF SANTA TERESA BLVD AT ANN MARIE CT, 4 MI S OF MORGAN HILL.			
Detailed Location:	MAPPED TO LOCATIONS PROVIDED IN FIELD SURVEY FORMS AND SCP REPORTS.			
Ecological:	SMALL STOCK PONDS ON PROPERTY HISTORICALLY USED FOR CATTLE RANCHING; PARTS OF PROPERTY CONVERTED TO VINEYARDS & GOLF COURSE, PART PRESERVED AS OPEN SPACE. CONTAINS NON-NATIVE GRASSLAND & VALLEY OAK WOODLAND & HEADWATERS OF LLAGAS CREEK.			
General:	MORE THAN 10 LARVAE OBSERVED IN 2 PONDS ON 6 MARCH 1995. EGGS & LARVAE OBS IN 2 PONDS JAN-APR 2004. LARVAE OBS IN UP TO 4 POOLS, 2005, & UP TO 1 POOL IN 2006. 29 IN 4 POOLS, 2010. 179 IN 4 POOLS, 2011.			
Owner/Manager:	PVT-CORDEVALLE GOLF COURSE			



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Occurrence No.	270	Map Index: 11014	EO Index: 28393	Element Last Seen: 1973-02-11
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen: 1973-02-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2009-05-20

Quad Summary: San Juan Bautista (3612175)
County Summary: San Benito

Lat/Long:	36.86353 / -121.54306	Accuracy:	1/5 mile
UTM:	Zone-10 N4080724 E629868	Elevation (ft):	170
PLSS:	T12S, R04E, Sec. 28, NW (M)	Acres:	0.0

Location: SAN JUAN VALLEY. ALONG SAN JUSTO RD, ABOUT 1.0 MI SOUTHEAST OF SAN JUAN HWY JCT, 1 MI NORTH OF SAN JUAN BAUTISTA.

Detailed Location:

Ecological: 2007 AERIAL PHOTO SHOWS THAT THE ENTIRE SAN JUAN VALLEY AREA HAS BEEN CONVERTED TO AGRICULTURE.
General: OBS BY KENT SMITH (DFG) 11 FEB 1973. 18 MAR 1918 CAS RECORD FROM "VICINITY NORTH OF SAN JUAN".
Owner/Manager: UNKNOWN

Occurrence No.	321	Map Index: 36054	EO Index: 31393	Element Last Seen: 1998-02-20
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1998-02-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2004-07-01

Quad Summary: Chittenden (3612185)
County Summary: Santa Clara

Lat/Long:	36.94718 / -121.55657	Accuracy:	specific area
UTM:	Zone-10 N4089986 E628523	Elevation (ft):	170
PLSS:	T11S, R04E, Sec. 29, SW (M)	Acres:	3.0

Location: BLUESTONE QUARRY. JUST WEST OF OLD MONTEREY ROAD, 0.3 MILE SSW OF THE HWY 101 INTERSECTION, 4 MILES SOUTH OF GILROY.

Detailed Location:

Ecological: QUARRY DEVELOPED BY 2002. HABITAT WAS A STOCK POND, SURROUNDED BY GRAZED GRASSLAND, WITH A FEW SCATTERED COAST LIVE OAKS. MANY CALIFORNIA GROUND SQUIRREL HOLES AROUND POND. CALIF RED-LEGGED FROG ALSO AT THIS SITE. HYBRID CTS POPULATION.
General: 3 LARVAE OBS 25 MAY 1997; 1 COLLECTED (MRJ #1274 & CAS #203266). 2 ADULTS COLLECTED ON 20 FEB 1998; 1 RELEASED & 1 DEPOSITED AT CAS (#MRJ 1354). 10 LARVAE COLLECTED 28 APR 2002 FOR GENETIC ANALYSIS. CTS FOUND TO BE HYBRIDS WITH A. TIGRINUM.
Owner/Manager: PVT



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Occurrence No.	322	Map Index:	36398	EO Index:	31395	Element Last Seen:	1997-05-25
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1997-05-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2002-09-04	

Quad Summary: Chittenden (3612185)

County Summary: Santa Clara

Lat/Long:	36.95346 / -121.56472	Accuracy:	specific area
UTM:	Zone-10 N4090672 E627787	Elevation (ft):	280
PLSS:	T11S, R04E, Sec. 30, NE (M)	Acres:	1.6

Location: 1.25 MILES SSW OF THE INTERSECTION OF CASTRO VALLEY ROAD AND HWY 101, 3 MILES SOUTH OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF GRAZED GRASSLAND, WITH COAST LIVE OAKS. A FEW CALIFORNIA GROUND SQUIRREL BURROWS FOUND NEAR THE POND. CLAM SHRIMP ABUNDANT IN THE POND.

General: 4 LARVAE OBSERVED ON 25 MAY 1997; 1 LARVA COLLECTED (MRJ #1276) AND DEPOSITED AT CAS (CAS #203268).

Owner/Manager: PVT

Occurrence No.	323	Map Index:	36399	EO Index:	31396	Element Last Seen:	1997-05-25
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1997-05-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2002-09-04	

Quad Summary: Chittenden (3612185)

County Summary: Santa Clara

Lat/Long:	36.94636 / -121.55834	Accuracy:	80 meters
UTM:	Zone-10 N4089893 E628366	Elevation (ft):	175
PLSS:	T11S, R04E, Sec. 29 (M)	Acres:	0.0

Location: 0.2 MILE WEST OF OLD MONTEREY RD, 0.4 MILE SSW OF INTERSECTION OF OLD MONTEREY RD & HWY 101, 3.6 MILES SOUTH OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A POND, PARTLY SHADED BY COAST LIVE OAK. SURROUNDING AREA CONSISTS OF AN OLD FIELD (PLOWED IN THE PAST), WHICH IS NOW MAINLY VEGETATED BY GRASSES AND MUSTARD (GRAZED). CLAM SHRIMP ABUNDANT IN POND.

General: 1 LARVA COLLECTED (MRJ #1284) ON 25 MAY 1997 AND DEPOSITED AT CAS (CAS #203269).

Owner/Manager: PVT



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Occurrence No.	391	Map Index: 42471	EO Index: 42471	Element Last Seen:	1999-05-06
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1999-05-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-26

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.81372 / -121.45858	Accuracy:	80 meters
UTM:	Zone-10 N4075316 E637487	Elevation (ft):	380
PLSS:	T13S, R05E, Sec. 07 (M)	Acres:	0.0

Location: 2 MILES SSE OF THE INTERSECTION OF FLINT ROAD AND HIGHWAY 156, SAN JUAN OAKS GOLF COURSE.

Detailed Location:

Ecological: HABITAT IS A LARGE, ARTIFICIALLY-BERMED PERENNIAL RESERVOIR IN A BROAD SWALE. ADJACENT UPLAND IS ANNUAL GRASSLAND/OAK WOODLAND. RESERVOIR WATER IS GREEN/TURBID, 3 FT 7 IN DEEP & 72 DEGREES F AT 1215. NO EMERGENTS AND AQUATICS SPARSE.

General: 1 NEOTENIC CTS COLLECTED (220 MM TOTAL LENGTH, WITH PLUMOSE GILLS, ADULT SPOTTING, AND SWOLLEN VENT-MALE) 6 MAY 1999. CALIFORNIA NEWTS COMMON IN RESERVOIR.

Owner/Manager: PVT-SAN JUAN OAKS GOLF COURSE

Occurrence No.	392	Map Index: 42480	EO Index: 42533	Element Last Seen:	2000-01-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-11-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-10-18

Quad Summary: San Felipe (3612184)

County Summary: Santa Clara

Lat/Long:	36.99028 / -121.39607	Accuracy:	specific area
UTM:	Zone-10 N4094996 E642734	Elevation (ft):	540
PLSS:	T11S, R05E, Sec. 11 (M)	Acres:	13.6

Location: 0.7 MILE WEST OF HIGHWAY 152, 3.5 MILES EAST OF SAN FELIPE LAKE, 8.5 MILES NORTH OF HOLLISTER.

Detailed Location:

Ecological: HABITAT CONSISTS OF TWO ARTIFICIALLY-BERMED, PERENNIAL PONDS, WITH SCIRPUS AND TYPHA AROUND THE MARGINS. PONDS ARE LOCATED WITHIN AN INTERMITTENT DRAINAGE. ADJACENT UPLAND IS GRAZED GRASSLAND/OPEN OAK WOODLAND. RLF ALSO FOUND AT THIS SITE.

General: 2 FEMALES OBSERVED DURING 5 NIGHT NOCTURNAL SURVEY; 1 WAS ~100-200 FT AWAY FROM, AND MOVING TOWARDS POND, WHILE OTHER WAS EMERGING FROM GROUND SQUIRREL BURROW. 1 ADULT CAPTURED ON 18 JAN 2000 IN PITFALL TRAP. SPECIES NOT CAPTURED NOV 2003.

Owner/Manager: PVT-BOURDET RANCH



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*** SENSITIVE ***

Occurrence No.	434	Map Index:	45578	EO Index:	45578	Element Last Seen:	2000-01-11
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2000-01-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-08-14	

Quad Summary: Chittenden (3612185)

County Summary: Santa Clara

Lat/Long: Accuracy: 80 meters

UTM: Elevation (ft): 281

PLSS: Acres: 0.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: HABITAT CONSISTED OF A LARGE PERENNIAL RESERVOIR WITHIN A SEASONAL DRAINAGE SWALE; SURROUNDED BY GRAZED NON-NATIVE GRASSLAND AND OAK WOODLAND AT THE BASE OF THE FOOTHILLS OF THE SANTA CRUZ MOUNTAINS.

General:

Owner/Manager:

Occurrence No.	444	Map Index:	44343	EO Index:	45860	Element Last Seen:	1986-12-19
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1986-12-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-09-07	

Quad Summary: Mt. Madonna (3712116), Morgan Hill (3712126)

County Summary: Santa Clara

Lat/Long: 37.12260 / -121.70703 Accuracy: non-specific area

UTM: Zone-10 N4109255 E614861 Elevation (ft): 525

PLSS: T09S, R02E, Sec. 25 (M) Acres: 214.2

Location: CHESBRO RESERVOIR, CHESBRO RESERVOIR COUNTY PARK, OAK GLEN AVE, 3.5 MILES WEST OF MORGAN HILL (SAN PEDRO & MONTEREY RD).

Detailed Location: MAPPED TO THE RESERVOIR, MORE SPECIFIC DETAILS NOT GIVEN.

Ecological: RESERVOIR.

General: 19 DEC 1986: CAS #187404, ADULT, (DOR).

Owner/Manager: SCL COUNTY



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Occurrence No.	458	Map Index: 45916	EO Index: 45916	Element Last Seen:	2004-01-29
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2004-01-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-02-11

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.06712 / -121.63413	Accuracy:	non-specific area
UTM:	Zone-10 N4103191 E621425	Elevation (ft):	380
PLSS:	T10S, R03E, Sec. 15 (M)	Acres:	54.3

Location: HAYES VALLEY, ABOUT 1.6 MILES SW OF SAN MARTIN IN THE VICINITY OF THE WEST BRANCH OF LLAGAS CREEK.
Detailed Location: 1992 CAS RECORDS ARE FROM STOCK PONDS WITH LOCATIONS GIVEN AS 1.5 & 1.7 MILES SW OF SAN MARTIN.
Ecological: IN 2004 THIS AREA IS A RETENTION BASIN WETLAND LOCATED WITHIN A GOLF COURSE AREA.
General: 4/29/92: CAS #197607, LARVA COLLECTED BY M.R. JENNINGS & N. ARESON. 5/7/92: CAS #197606, LARVA COLLECTED BY M.R. JENNINGS & G. BANUELOS. UNKNOWN NUMBER OF EGGS OBSERVED 29 JAN 2004.
Owner/Manager: PVT-CORDEVALLE GOLF COURSE

Occurrence No.	471	Map Index: 20311	EO Index: 46225	Element Last Seen:	2007-04-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-04-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-29

Quad Summary: Prunedale (3612176)
County Summary: Monterey

Lat/Long:	36.79281 / -121.73433	Accuracy:	non-specific area
UTM:	Zone-10 N4072635 E612920	Elevation (ft):	35
PLSS:	T13S, R02E, Sec. 15 (M)	Acres:	94.0

Location: MORO COJO SLOUGH AREA OFF CASTROVILLE BLVD, MOSS LANDING.
Detailed Location: MUSEUM RECORD GIVES SITE AT "MARO COJA SLOUGH AREA OFF CASTROVILLE BLVD, MOSS LANDING".
Ecological: TEMPORARY POOL WITH BARE GROUND AND NON-NATIVE GRASS ALONG THE FRINGE. UPLAND HABITAT CONSISTS OF WILLOW, OAK, AND NON-NATIVE GRASSES - PROVIDES HABITAT FOR AESTIVATING ADULTS. RESTORATION/PROTECTION WILL INCREASE HABITAT FOR CTS & SCLTS.
General: MVZ #204612 COLLECTED 19 MAY 1978 BY M.S. MARANGIO. 1 ADULT OBSERVED ON 21 APR 2007; POSSIBLE HYBRID - TISSUE SAMPLES AWAITING ANALYSIS. WATER MURKY - NEARBY AG MAY CONTRIBUTE TO POOR WATER QUALITY. LITTLE AQUATIC LIFE PRESENT.
Owner/Manager: PVT



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Occurrence No.	491	Map Index: 46376	EO Index: 46376	Element Last Seen:	1973-06-03
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	1973-06-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2001-11-01

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.10600 / -121.65747	Accuracy:	1/10 mile
UTM:	Zone-10 N4107474 E619289	Elevation (ft):	400
PLSS:	T09S, R03E, Sec. 32 (M)	Acres:	0.0

Location: INTERSECTION OF EDMUNDSON RD & SUNNYSIDE AVE. MORGAN HILL, SE OF CHESBRO RESERVOIR. ABOUT 0.9 MI EAST OF LLAGAS CREEK.

Detailed Location:

Ecological:

General: TWO OBSERVATIONS FROM JENNINGS FIELD NOTES. 29 APR & 3 JUN 1973. JENNINGS CONSIDERS THIS SITE EXTIRPATED. HOWEVER, SEE CTS #1234, EONDx 102894 FOR 2016 DETECTIONS ABOUT 0.4 MILES NORTH.

Owner/Manager: UNKNOWN

Occurrence No.	523	Map Index: 46635	EO Index: 46635	Element Last Seen:	1993-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2001-11-28

Quad Summary: Chittenden (3612185)

County Summary: San Benito

Lat/Long:	36.88725 / -121.54035	Accuracy:	2/5 mile
UTM:	Zone-10 N4083359 E630069	Elevation (ft):	300
PLSS:	T12S, R04E, Sec. 16, SW (M)	Acres:	0.0

Location: ABOUT 1 MILE EAST OF THE JUNCTION OF HWY 101 AND THE SAN BENITO RIVER. EAST OF THE SAN JUAN VALLEY.

Detailed Location:

Ecological:

General: SURVEY DONE BY BIOSEARCH BUT REPORTED BY LSA. UNKNOWN NUMBER OF LARVAE OBSERVED IN 1993.

Owner/Manager: PVT



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Occurrence No.	525	Map Index: 46669	EO Index: 46669	Element Last Seen:	2006-05-03
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2006-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-27
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.77711 / -121.68802		Accuracy:	1/10 mile	
UTM:	Zone-10 N4070949 E617077		Elevation (ft):	100	
PLSS:	T13S, R03E, Sec. 30 (M)		Acres:	0.0	
Location:	ALONG BLACKIE ROAD, 1 MILE WEST OF PRUNEDALE.				
Detailed Location:	1997: CTS FOUND AT A LOW SPOT IN THE ROAD; PRESUMED BREEDING POND FOUND APPROXIMATELY 0.1 MILE NORTH OF BLACKIE ROAD. 2006 CAPTURES AT IRRIGATION RESERVOIR ON TOP OF KNOLL.				
Ecological:	1997: WILLOWS TO NORTH & OAK WOODLAND TO SOUTH. 2006: RESERVOIR MARGINS DENSE WITH RUDERAL HERBS. CLEAR WATER UP TO 2 FT DEEP. SANDSTONE SUBSTRATE. SPIKERUSH & SUBMERGENT AQUATIC PLANTS ABUNDANT. SURROUNDING AREA IS STRAWBERRY FIELDS.				
General:	1 SUBADULT OBSERVED ON A DARK, RAINY NIGHT, ON 16 NOV 1997. 1 LARVA CAPTURED ON 17 APR AND 8 ON 3 MAY 2006. TAIL CLIPPINGS SENT TO DR. BRAD SHAFFER AT UC DAVIS.				
Owner/Manager:	UNKNOWN, PVT				
Occurrence No.	584	Map Index: 49030	EO Index: 49030	Element Last Seen:	2001-09-19
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2001-09-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-04-21
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.10924 / -121.58869		Accuracy:	80 meters	
UTM:	Zone-10 N4107923 E625396		Elevation (ft):	338	
PLSS:	T09S, R03E, Sec. 36 (M)		Acres:	0.0	
Location:	EAST SIDE OF FOOTHILL AVENUE, 0.2 MILE SE OF THE INTERSECTION OF FOOTHILL AVENUE AND MIDDLE AVENUE, MORGAN HILL.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF AN OAK WOODLAND WHICH HAS BEEN CONVERTED TO A GOLF COURSE.				
General:	1 JUVENILE OBSERVED/COLLECTED (MRJ #1533) ON 19 SEP 2001 AND DEPOSITED AT CAS.				
Owner/Manager:	PVT-INSTITUTE GOLF COURSE				



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Occurrence No.	586	Map Index:	49350	EO Index:	49350	Element Last Seen:	2001-12-05
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2001-12-05	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2002-11-12	

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.06296 / -121.66764	Accuracy:	80 meters
UTM:	Zone-10 N4102687 E618453	Elevation (ft):	400
PLSS:	T10S, R03E, Sec. 17 (M)	Acres:	0.0

Location: 0.5 MILE NORTH OF THE CONFLUENCE OF UVAS CREEK AND SYCAMORE CREEK, 1.3 MILES EAST OF UVAS RESERVOIR.

Detailed Location:

Ecological: SURROUNDING HABITAT CONSISTS OF GRASSLAND WITH A FEW OAKS AND SCATTERED HOUSES.

General: 9 EGGS COLLECTED FOR DNA ANALYSIS ON 5 DEC 2001.

Owner/Manager: PVT

Occurrence No.	588	Map Index:	49360	EO Index:	49360	Element Last Seen:	2016-06-16
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2016-06-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-09-22	

Quad Summary: Gilroy Hot Springs (3712114)

County Summary: Santa Clara

Lat/Long:	37.04706 / -121.39538	Accuracy:	specific area
UTM:	Zone-10 N4101297 E642690	Elevation (ft):	1951
PLSS:	T10S, R05E, Sec. 23, SW (M)	Acres:	11.0

Location: AT THE SE END OF PHEGLEY RIDGE, 0.6 MILES W TO 0.6 MILES NW OF KICKHAM PEAK, CANADA DE LOS OSOS STATE PARK.

Detailed Location: 2 PONDS REPRESENTED. SOUTH POND: WEST BIG SPRINGS POND (WBSP). NORTH: ROCCI'S POND (RP)

Ecological: FORMERLY GRAZED GRASSLAND, NOW PRESERVED. BOTH PONDS WERE SEASONAL. WBSP: POND DEEPENED IN 2015 BUT LESS THAN 9M DIAMETER. RP: PARTIALLY SURROUNDED BY OAK WOODLAND.

General: WBSP: OVER 100 JUVENILES OBSERVED & 20 COLLECTED FOR DNA ANALYSIS, 24 MAY 2002; 5 JUVENILES & 34 LARVAE OBS MAY-JUN 2016. RP: 6 LARVAE ON 24 MAY 2016.

Owner/Manager: DFG-CANADA DE LOS OSOS ER

Occurrence No.	589	Map Index:	49361	EO Index:	49361	Element Last Seen:	2016-06-16
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2016-06-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-10-12	

Quad Summary: Gilroy Hot Springs (3712114)

County Summary: Santa Clara

Lat/Long:	37.04561 / -121.41828	Accuracy:	80 meters
UTM:	Zone-10 N4101102 E640656	Elevation (ft):	1589
PLSS:	T10S, R05E, Sec. 22, SW (M)	Acres:	5.0

Location: ABOUT 1.2 MILES E OF BILLS HILL & 2.6 MILES SW OF VASQUEZ PEAK, CANADA DE LOS OSOS ER.

Detailed Location: OLD WILLSON ROAD POND.

Ecological: 2002: GRAZED GRASSLAND. 2016: SEASONAL POND IN PREDOMINATELY HILLY, UNGRAZED GRASSLAND.

General: >100 JUVENILES OBSERVED; 20 COLLECTED ON 24 MAY 2002 FOR DNA ANALYSIS. 60 LARVAE & 3 JUVENILES CAUGHT & RELEASED ON 16 JUN 2016.

Owner/Manager: DFG-CANADA DE LOS OSOS ER



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Occurrence No.	590	Map Index: 49362	EO Index: 49362	Element Last Seen:	2002-04-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-04-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-11-12
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.06592 / -121.51992		Accuracy:	80 meters	
UTM:	Zone-10 N4103209 E631581		Elevation (ft):	950	
PLSS:	T10S, R04E, Sec. 15 (M)		Acres:	0.0	
Location:	EAST SIDE OF ROOP ROAD, 0.75 MILE SOUTH OF COYOTE CREEK, EAST OF SANTA CLARA VALLEY.				
Detailed Location:					
Ecological:	SURROUNDING HABITAT CONSISTS OF GRAZED GRASSLAND, WITH A FEW OAKS.				
General:	>100 JUVENILES OBSERVED; 20 COLLECTED ON 18 APR 2002 FOR DNA ANALYSIS. 1 OF 20 CONTAINED NON-NATIVE (AMBYSTOMA TIGRINUM) MITOCHONDRIAL DNA.				
Owner/Manager:	PVT				
Occurrence No.	595	Map Index: 48968	EO Index: 49798	Element Last Seen:	2004-06-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-06-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-03-28
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.09934 / -121.52056		Accuracy:	80 meters	
UTM:	Zone-10 N4106916 E631467		Elevation (ft):	2030	
PLSS:	T10S, R04E, Sec. 03, NW (M)		Acres:	0.0	
Location:	UPPER TWIN LAKE, PALASSOU RIDGE NATURAL AREA, 1 MILE EAST OF COYOTE LAKE.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A STOCK POND SURROUNDED BY OAK WOODLAND AND GRAZED NON-NATIVE GRASSLAND.				
General:	SURVEYS CONDUCTED ON 14 MAY AND 22 JUL 2002; 60 LARVAE OBSERVED ON 14 MAY 2002. 1 ADULT AND 4 LARVAE OBSERVED, 10 JUN 2003. 2 LARVAE OBSERVED, 21 JUN 2004; POND ALMOST DRY.				
Owner/Manager:	SCL COUNTY				
Occurrence No.	596	Map Index: 49799	EO Index: 49799	Element Last Seen:	2002-12-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-12-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-01-07
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.08514 / -121.51675		Accuracy:	80 meters	
UTM:	Zone-10 N4105346 E631830		Elevation (ft):	1600	
PLSS:	T10S, R04E, Sec. 10, NW (M)		Acres:	0.0	
Location:	JUNE LAKE, PALASSOU RIDGE NATURAL AREA, 0.6 MILE EAST OF COYOTE LAKE.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A STOCK POND SURROUNDED BY OAK WOODLAND AND NON-NATIVE GRASSLAND.				
General:	SURVEYS CONDUCTED ON 15 MAY AND 5 DEC 2002; 127 LARVAE OBSERVED ON 15 MAY 2002.				
Owner/Manager:	SCL COUNTY				



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Occurrence No.	612	Map Index: 53638	EO Index: 53638	Element Last Seen:	2003-03-13
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2003-03-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-12-18

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.75190 / -121.38666	Accuracy:	specific area
UTM:	Zone-10 N4068563 E644018	Elevation (ft):	1065
PLSS:	T14S, R05E, Sec. 02 (M)	Acres:	8.0

Location: EAST SIDE OF CIENEGA ROAD, 6 MILES SOUTH OF HOLLISTER.

Detailed Location:

Ecological: HABITAT CONSISTS OF A SECTION OF DAMMED CREEK, SURROUNDED BY SHRUBBERY, GRASS, AND OAK WOODLAND.

General: 19 JUVENILES OBSERVED ON 13 MAR 2003.

Owner/Manager: PVT

Occurrence No.	618	Map Index: 53674	EO Index: 53674	Element Last Seen:	2003-05-02
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-12-22

Quad Summary: Chittenden (3612185)

County Summary: San Benito

Lat/Long:	36.88464 / -121.56698	Accuracy:	80 meters
UTM:	Zone-10 N4083034 E627700	Elevation (ft):	175
PLSS:	T12S, R04E, Sec. 18, SE (M)	Acres:	0.0

Location: 0.3 MILE NW OF THE INTERSECTION OF SEARLE ROAD AND HIGHWAY 129, WEST OF SAN JUAN VALLEY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A STOCK POND SURROUNDED BY GRAZED ANNUAL GRASSLAND AND ROW CROPS.

General: 21 JUVENILES OBSERVED ON 2 MAY 2003.

Owner/Manager: PVT

Occurrence No.	621	Map Index: 53885	EO Index: 54032	Element Last Seen:	2003-04-06
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-04-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-22

Quad Summary: Gilroy Hot Springs (3712114)

County Summary: Santa Clara

Lat/Long:	37.07982 / -121.40718	Accuracy:	80 meters
UTM:	Zone-10 N4104914 E641579	Elevation (ft):	1750
PLSS:	T10S, R05E, Sec. 10, NE (M)	Acres:	0.0

Location: 0.5 MILE EAST OF WILSON RANCH, HENRY W. COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.

General: 2 LARVAE OBSERVED ON 6 APR 2003.

Owner/Manager: DPR-HENRY W COE SP



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Occurrence No.	622	Map Index: 54033	EO Index: 54033	Element Last Seen:	2003-04-06
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-04-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-22
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.08337 / -121.40731		Accuracy:	80 meters	
UTM:	Zone-10 N4105307 E641561		Elevation (ft):	2000	
PLSS:	T10S, R05E, Sec. 10, NE (M)		Acres:	0.0	
Location:	0.6 MILE ENE OF WILSON RANCH, HENRY W. COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.				
General:	7 LARVAE OBSERVED ON 6 APR 2003.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	623	Map Index: 54034	EO Index: 54034	Element Last Seen:	2005-05-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-05-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-10-10
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.05028 / -121.43037		Accuracy:	80 meters	
UTM:	Zone-10 N4101602 E639571		Elevation (ft):	1100	
PLSS:	T10S, R05E, Sec. 21, SW (M)		Acres:	0.0	
Location:	0.6 MILE NE OF BILLS HILL, HENRY W. COE STATE PARK.				
Detailed Location:	THIS POND WILL LIKELY DRY MOST YEARS BEFORE LARVAE ARE ABLE TO TRANSFORM INTO ADULTS.				
Ecological:	HABITAT CONSISTS OF A TINY, SEASONAL POND SURROUNDED BY OAK WOODLAND.				
General:	1 LARVA OBSERVED ON 27 APR 2003. ON 7 MAY 2005, 1 LARVA (75 MM TL) WAS NETTED AND A SECOND WAS OBSERVED BEING DEVoured BY A GARTER SNAKE.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	624	Map Index: 54037	EO Index: 54037	Element Last Seen:	2005-05-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-05-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-10-10
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.05994 / -121.41413		Accuracy:	80 meters	
UTM:	Zone-10 N4102698 E640998		Elevation (ft):	2000	
PLSS:	T10S, R05E, Sec. 15, SW (M)		Acres:	0.0	
Location:	WEST SIDE OF PHEGLEY RIDGE, HENRY W. COE STATE PARK.				
Detailed Location:	THIS SMALL POND MAY DRY BEFORE LARVAE ARE ABLE TO TRANSFORM INTO ADULTS.				
Ecological:	HABITAT CONSISTS OF A SMALL, SEASONAL POND SURROUNDED IN GRASSLAND, WITH OAK WOODLAND NEARBY.				
General:	25 LARVAE OBSERVED ON 27 APR 2003. ON 7 MAY 2005, 2 LARVAE (88 MM AND 98 MM TL) WERE NETTED; OTHERS WERE OBSERVED BUT NOT NETTED.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	625	Map Index: 53883	EO Index: 54040	Element Last Seen:	2003-05-03
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-22
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.08179 / -121.42565		Accuracy:	80 meters	
UTM:	Zone-10 N4105105 E639933		Elevation (ft):	2150	
PLSS:	T10S, R05E, Sec. 09, NE (M)		Acres:	0.0	
Location:	0.5 MILE WEST OF WILSON RANCH, HENRY W. COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.				
General:	1 LARVA OBSERVED ON 3 MAY 2003.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	626	Map Index: 54043	EO Index: 54043	Element Last Seen:	2005-05-24
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2005-05-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-10-10
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.07802 / -121.43195		Accuracy:	80 meters	
UTM:	Zone-10 N4104678 E639380		Elevation (ft):	2100	
PLSS:	T10S, R05E, Sec. 09, SW (M)		Acres:	0.0	
Location:	0.8 MILE WSW OF WILSON RANCH, HENRY W. COE STATE PARK.				
Detailed Location:	IN MOST YEARS, THIS POND PROBABLY DRIES BEFORE THE LARVAE ARE ABLE TO TRANSFORM INTO ADULTS.				
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY GRASSLAND/OAK WOODLAND.				
General:	9 LARVAE OBSERVED ON 3 MAY 2003. 1 LARVA (~80 MM TL) WAS NETTED IN WATER <1' DEEP ON 24 MAY 2005.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	627	Map Index: 54044	EO Index: 54044	Element Last Seen:	2003-05-03
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-22
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.07150 / -121.44437		Accuracy:	80 meters	
UTM:	Zone-10 N4103936 E638288		Elevation (ft):	1400	
PLSS:	T10S, R05E, Sec. 17, NE (M)		Acres:	0.0	
Location:	0.5 MILE NORTH OF THE JUNCTION OF HUNTING HOLLOW AND COON HUNTERS GULCH, HENRY W. COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.				
General:	2 LARVAE OBSERVED ON 3 MAY 2003.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	651	Map Index: 55385	EO Index: 55385	Element Last Seen:	2004-01-29
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2004-01-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-25

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.07425 / -121.65751	Accuracy:	non-specific area
UTM:	Zone-10 N4103952 E619335	Elevation (ft):	400
PLSS:	T10S, R03E, Sec. 08 (M)	Acres:	17.8

Location: ALONG WATSONVILLE ROAD, AND IN THE VICINITY OF HAYES CREEK ON THE WEST SIDE OF HAYES VALLEY.
Detailed Location: SITE CONTAINS A BREEDING POND AT CLOS LA CHANCE WINERY. DEAD ADULT FOUND ON DRIVEWAY LEADING TO 13675 WATSONVILLE ROAD PROPERTY 19 NOV 2002. EGGS OBSERVED IN A SEASONAL WETLAND ON 29 JAN 2004.
Ecological: HABITAT CONSISTS OF ANNUAL GRASSLAND WITH ABUNDANT GROUND SQUIRREL BURROWS FOR AESTIVATION. SEASONAL WETLAND IN THE VICINITY OF HAYES CREEK.
General: 1 ADULT FOUND DOR ON 19 NOV 2002. UNKNOWN NUMBER OF EGGS OBSERVED ON 29 JAN 2004.
Owner/Manager: PVT-WILDWOOD LANDS

Occurrence No.	708	Map Index: 56893	EO Index: 63896	Element Last Seen:	2003-08-12
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2003-08-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-01-26

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.76397 / -121.40716	Accuracy:	specific area
UTM:	Zone-10 N4069872 E642166	Elevation (ft):	810
PLSS:	T13S, R05E, Sec. 34 (M)	Acres:	8.1

Location: GARNER LAKE AND AN ADJACENT SEDIMENT BASIN, SOUTH SIDE OF CIENEGA ROAD IN BONANZA GULCH, 5 MILES SOUTH OF HOLLISTER.
Detailed Location: GARNER LAKE BASIN IS 20 M X 8 M X 1 M DEEP; ADJACENT BASIN IS 20 M X 10 M X 1 M DEEP.
Ecological: HABITAT CONSISTS OF A SEDIMENT BASIN, VEGETATED BY DUCKWEED (LEMNA SP) AND LARGE CLUMPS OF ALGAE; COAST LIVE OAK OVERHANGS MARGINS OF BASIN IN PLACES.
General: ON 12 AUG 2003, DURING A DAYTIME SURVEY, 1 LARVAL CTS WAS OBSERVED.
Owner/Manager: DPR-HOLLISTER HILLS SVRA



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Occurrence No.	709	Map Index: 63804	EO Index: 63899	Element Last Seen:	2004-03-31
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2004-03-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-01-31
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.75442 / -121.39210		Accuracy:	1/10 mile	
UTM:	Zone-10 N4068836 E643528		Elevation (ft):	1120	
PLSS:	T13S, R05E, Sec. 35 (M)		Acres:	0.0	
Location:	SOUTH SIDE OF CIENAGA ROAD, 1.6 MILES SE OF BONANZA GULCH, 6.5 MILES SOUTH OF HOLLISTER.				
Detailed Location:	THIS POND DRIES DURING THE SUMMER, AND A FEW VEHICLE TRACKS WERE PRESENT FROM USE DURING THE DRY SEASON.				
Ecological:	HABITAT CONSISTS OF A MAN-MADE SEDIMENT BASIN (~15 M X 10 M X 0.75 M). SPIKERUSH WAS THICK IN MOST OF THE BASIN, & IT APPEARS TO BE EXCELLENT BREEDING HABITAT. NEARBY UPLAND CONSISTS OF ANNUAL GRASSLAND, LIVE/BLUE OAK FOREST, & CHAPARRAL.				
General:	1 ADULT MALE OBSERVED ON 29 DEC 2003, DURING A RAINY NIGHT SURVEY, ~250 M FROM THE SEDIMENT BASIN. SEINE NET SURVEY OF THIS SEDIMENT BASIN PRODUCED 8 CTS LARVAE ON 31 MAR 2004.				
Owner/Manager:	DPR-HOLLISTER HILLS SVRA				
Occurrence No.	710	Map Index: 63826	EO Index: 63921	Element Last Seen:	2003-12-29
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2003-12-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-01-31
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.80971 / -121.39689		Accuracy:	80 meters	
UTM:	Zone-10 N4074962 E642997		Elevation (ft):	350	
PLSS:	T13S, R05E, Sec. 14 (M)		Acres:	0.0	
Location:	CIENAGA ROAD, NEAR THE INTERSECTION WITH HOSPITAL ROAD, SOUTH OF HOLLISTER.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF THE SAN BENITO RIVER, LOCATED ~250 M EAST OF THE OBSERVATION SITE. A POTENTIAL BREEDING POND IS ALSO LOCATED ~1.5 MILES AWAY. ADJACENT UPLAND HABITAT CONSISTS OF ANNUAL GRASSLAND.				
General:	1 ADULT MALE OBSERVED CROSSING THE ROAD ON A RAINY NIGHT ON 29 DEC 2003.				
Owner/Manager:	SBT COUNTY				



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Occurrence No.	711	Map Index: 63827	EO Index: 63922	Element Last Seen:	2004-04-13
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2004-04-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-01-31

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.80306 / -121.42285	Accuracy:	80 meters
UTM:	Zone-10 N4074185 E640693	Elevation (ft):	630
PLSS:	T13S, R05E, Sec. 16 (M)	Acres:	0.0

Location: 0.9 MILE WEST OF THE INTERSECTION OF CIENAGA ROAD AND HIDDEN VALLEY ROAD, 3 MILES SSW OF HOLLISTER.

Detailed Location:

Ecological: HABITAT CONSISTS OF A SPRING-FED SAGPOND (8 M X 7 M X 0.5 M), WITH ELEOCHARIS THICK IN HALF THE BASIN. BASIN IS RELATIVELY SHALLOW, BUT FENCED TO KEEP COWS OUT. NEARBY UPLAND HABITAT CONSISTS OF LIGHTLY-GRAZED ANNUAL GRASSLAND.

General: 3 LARVAE OBSERVED DURING A DIP-NET SURVEY ON 13 APR 2004.

Owner/Manager: DPR-HOLLISTER HILLS SVRA

Occurrence No.	712	Map Index: 63829	EO Index: 63924	Element Last Seen:	2004-04-14
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2004-04-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-01-31

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.79962 / -121.43243	Accuracy:	80 meters
UTM:	Zone-10 N4073790 E639845	Elevation (ft):	760
PLSS:	T13S, R05E, Sec. 16 (M)	Acres:	0.0

Location: 1.4 MILES WSW OF THE INTERSECTION OF CIENAGA ROAD AND HIDDEN VALLEY ROAD, ABOUT 3 MILES SSW OF HOLLISTER.

Detailed Location: BASIN IS RELATIVELY SHALLOW, BUT FENCED TO KEEP COWS OUT (ALTHOUGH COWS WERE PRESENT AT THE TIME OF THE SURVEY).

Ecological: HABITAT IS A MAN-MADE STOCK POND (20 M X 1 M X 0.2 M), WITH SPIKERUSH (ELEOCHARIS SP) THICK IN MOST OF BASIN. WATER WAS VERY TURBID. NEARBY UPLAND HABITAT CONSISTS OF LIGHTLY-GRAZED ANNUAL GRASSLAND & LIVE OAK/BLUE OAK WOODLAND.

General: 6 LARVAE OBSERVED DURING A DIP-NET SURVEY ON 14 APR 2004. PACIFIC CHORUS FROG TADPOLES ALSO OBSERVED.

Owner/Manager: DPR-HOLLISTER HILLS SVRA



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Occurrence No.	713	Map Index: 63830	EO Index: 63925	Element Last Seen:	2004-04-14
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2004-04-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-01-31
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.78680 / -121.42237		Accuracy:	80 meters	
UTM:	Zone-10 N4072383 E640766		Elevation (ft):	930	
PLSS:	T13S, R05E, Sec. 21 (M)		Acres:	0.0	
Location:	1.5 MILES SW OF THE INTERSECTION OF CIENAGA ROAD AND HIDDEN VALLEY ROAD, ABOUT 4 MILES SSW OF HOLLISTER.				
Detailed Location:	PARK UNIT IS USED FOR ORV RECREATION, BUT NO VEHICLES ENTER THIS AREA.				
Ecological:	HABITAT CONSISTS OF A MAN-MADE STOCK POND (20 M X 15 M X 0.6 M), WITH SPIKERUSH (ELEOCHARIS SP) THICK IN MOST OF THE BASIN; WATER TURBID. NEARBY UPLAND HABITAT CONSISTS OF LIGHTLY-GRAZED ANNUAL GRASSLAND AND LIVE OAK/BLUE OAK WOODLAND.				
General:	1 LARVA OBSERVED DURING A DIP-NET SURVEY ON 14 APR 2004.				
Owner/Manager:	DPR-HOLLISTER HILLS SVRA				
Occurrence No.	726	Map Index: 65679	EO Index: 65758	Element Last Seen:	2006-02-28
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2006-02-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-15
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.83058 / -121.43263		Accuracy:	specific area	
UTM:	Zone-10 N4077225 E639772		Elevation (ft):	320	
PLSS:	T13S, R05E, Sec. 04, SW (M)		Acres:	9.7	
Location:	NE SIDE OF UNION ROAD, 0.75 MILE NW OF THE INTERSECTION OF UNION ROAD AND RIVERSIDE ROAD, NW EDGE OF HOLLISTER.				
Detailed Location:	THE ON-SITE SEASONAL POOL MAY NOT SUPPORT CTS BREEDING DUE TO ITS HIGHLY EPHEMERAL NATURE; HOWEVER, OTHER POOLS ARE FOUND NEARBY.				
Ecological:	HABITAT CONSISTS OF A RUDERAL FIELD THAT IS PARTIALLY USED FOR AGRICULTURE AND CONTAINS A HIGHLY-SEASONAL POOL THAT DRIES BY LATE APRIL. COCKLEBUR DOMINANT PLANT SPECIES. SOILS ARE VERY SANDY AND FRIABLE.				
General:	1 ADULT COLLECTED FROM UNDER A RABBIT PEN ON 21 MAR 2005; RELEASED INTO A GROUND SQUIRREL BURROW AFTER IDENTIFICATION. 3 ADULTS CAPTURED USING A DRIFT FENCE, 2-18 DEC 2005. 1 ADULT CAPTURED ON 28 FEB 2006.				
Owner/Manager:	PVT				



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Occurrence No.	731	Map Index: 66635	EO Index: 66779	Element Last Seen:	2005-12-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-12-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-10-05

Quad Summary: Gilroy (3712115)

County Summary: Santa Clara

Lat/Long:	37.04732 / -121.62140	Accuracy:	80 meters
UTM:	Zone-10 N4101010 E622589	Elevation (ft):	470
PLSS:	T10S, R03E, Sec. 22 (M)	Acres:	0.0

Location: 0.5 MILE EAST OF LIONS CREEK AND 0.5 MILE NORTH OF DAY ROAD, 4 MILES NW OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A SMALL PERENNIAL STOCK POND CONSTRUCTED ON A DRAINAGE; SURROUNDED BY GRAZED, NON-NATIVE ANNUAL GRASSLAND WITH SCATTERED OAKS.

General: 3 JUVENILES TRAPPED ON 29 NOV 2005; 1 MALE TRAPPED ON 30 NOV 2005; 1 MALE TRAPPED ON 1 DEC 2005.

Owner/Manager: PVT

Occurrence No.	732	Map Index: 66638	EO Index: 66782	Element Last Seen:	2005-12-23
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-12-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-10-11

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.03199 / -121.63637	Accuracy:	specific area
UTM:	Zone-10 N4099290 E621282	Elevation (ft):	470
PLSS:	T10S, R03E, Sec. 27 (M)	Acres:	19.0

Location: 1.3 MILES SE OF THE INTERSECTION OF DAY ROAD AND WATSONVILLE ROAD, 3.5 MILES NW OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A PERENNIAL STOCK POND CONSTRUCTED ON A LOW-GRADIENT DRAINAGE; SURROUNDED BY A LARGE, GRAZED SEASONAL WETLAND TO THE NORTH AND A SERPENTINE SLOPE TO THE SOUTH. POND SUPPORTS MOSQUITOFISH AND CRAYFISH.

General: 1 ADULT FEMALE TRAPPED ON 29 NOV 2005; 1 FEMALE TRAPPED ON 30 NOV 2005; 2 JUVENILES TRAPPED ON 2 DEC 2005; 1 ADULT MALE TRAPPED ON 22 DEC 2005; 1 MALE TRAPPED ON 23 DEC 2005.

Owner/Manager: PVT



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Occurrence No.	733	Map Index:	66642	EO Index:	66785	Element Last Seen:	2005-12-02
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2005-12-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-10-05	

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.02759 / -121.62744	Accuracy:	80 meters
UTM:	Zone-10 N4098814 E622083	Elevation (ft):	470
PLSS:	T10S, R03E, Sec. 34 (M)	Acres:	0.0

Location: 1.1 MILES NORTH OF HIGHWAY 152, 3 MILES WNW OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A PERENNIAL STOCK POND CONSTRUCTED ON A LOW-GRADIENT DRAINAGE; SURROUNDED BY GRAZED, NON-NATIVE ANNUAL GRASSLAND. POND SUPPORTS BULLFROGS.

General: 1 ADULT MALE TRAPPED ON 29 NOV 2005; 12 MALES, 3 FEMALES, AND 3 JUVENILES TRAPPED ON 2 DEC 2005.

Owner/Manager: PVT

Occurrence No.	734	Map Index:	66645	EO Index:	66791	Element Last Seen:	2005-12-02
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2005-12-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-10-05	

Quad Summary: Gilroy (3712115)
County Summary: Santa Clara

Lat/Long:	37.04857 / -121.62470	Accuracy:	specific area
UTM:	Zone-10 N4101145 E622293	Elevation (ft):	470
PLSS:	T10S, R03E, Sec. 22 (M)	Acres:	2.0

Location: 0.25 MILE EAST OF LIONS CREEK AND 0.5 MILE NORTH OF DAY ROAD, 4.5 MILES NW OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A PERENNIAL STOCK POND CONSTRUCTED ON A DRAINAGE; SURROUNDED BY GRAZED, NON-NATIVE ANNUAL GRASSLAND WITH SCATTERED OAKS. POND SUPPORTS BULLFROGS AND POSSIBLY BASS.

General: 5 ADULT MALES AND 3 ADULT FEMALES TRAPPED ON 2 DEC 2005.

Owner/Manager: PVT



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Occurrence No.	750	Map Index: 68095	EO Index: 68236	Element Last Seen:	2006-05-02
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2006-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-02

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.77040 / -121.72964	Accuracy:	specific area
UTM:	Zone-10 N4070155 E613372	Elevation (ft):	10
PLSS:	T13S, R02E, Sec. 27 (M)	Acres:	10.0

Location: UPPER ARM OF MORO COJO SLOUGH, ON THE SOUTH SIDE OF HIGHWAY 156, NE OF CASTROVILLE.

Detailed Location: ADJACENT ANNUAL GRASSLANDS APPEAR SUITABLE AS UPLAND CTS HABITAT.

Ecological: HABITAT CONSISTS OF A SEASONAL SWALE SURROUNDED BY ANNUAL GRASSLAND/STRAWBERRY FIELDS; WILLOW THICKETS LINE THE LOW FLOW CHANNEL, EMERGENT VEGETATION ALONG THE SLOUGH MARGINS. OPEN WATER IS EXTENSIVE, UP TO 4' DEEP; DRIES BY LATE FALL.

General: AQUATIC SURVEYS WERE CONDUCTED ON 18 APR AND 2 MAY 2006; 33 CTS LARVAE WERE CAPTURED ON 2 MAY 2006. TAIL CLIPPINGS SENT TO UC DAVIS.

Owner/Manager: PVT

Occurrence No.	752	Map Index: 68134	EO Index: 68278	Element Last Seen:	2006-05-04
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2006-05-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-15

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.78148 / -121.67862	Accuracy:	80 meters
UTM:	Zone-10 N4071446 E617909	Elevation (ft):	90
PLSS:	T13S, R03E, Sec. 19, SE (M)	Acres:	0.0

Location: WEST OF PRUNEDALE, ABOUT 0.8 MI NW OF INTERSECTION OF BLACKIE RD AND HWY 156.

Detailed Location:

Ecological: SUBSTRATE HIGHLY SANDY, TURBID WATER. NO AQUATIC VEGETATION, BERMS LARGELY BARE. SURROUNDING AREA IS STRAWBERRY FIELDS IN VARYING PHASES (E.G. ACTIVE, FALLOW) & OAK WOODLANDS. VIABLE UPLANDS (ANNUAL GRASSLANDS) FRAGMENTED BY AGRICULTURE.

General: 1 LARVA CAPTURED ON 17 APR AND 2 LARVAE CAPTURED ON 4 MAY 2006. TAIL CLIPPINGS SENT TO DR. BRAD SHAFFER AT UC DAVIS.

Owner/Manager: PVT



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Occurrence No.	763	Map Index: 68237	EO Index: 68385	Element Last Seen: 1999-05-06
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen: 1999-05-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2008-03-11

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.82646 / -121.46107	Accuracy:	80 meters
UTM:	Zone-10 N4076726 E637242	Elevation (ft):	300
PLSS:	T13S, R05E, Sec. 06, SE (M)	Acres:	0.0

Location: 1.2 MILES SE OF THE INTERSECTION OF FLINT ROAD AND HIGHWAY 156, SAN JUAN OAKS GOLF COURSE.

Detailed Location:

Ecological: HABITAT CONSISTS OF A SEASONAL CATTLE POND (90 FT X 60 FT, 3 FT 5 IN DEEP). WATER TURBID, 62 DEGREES F. POND CONTAINS NO AQUATIC OR EMERGENT VEGETATION, ALGAL MATS SPARSE, MARGIN BARE. SUBSTRATE MUD/SILT. SURROUNDED BY ANNUAL GRASSLAND.

General: 1 ADULT AND 32 JUVENILES OBSERVED 6 MAY 1999. 1 LARVAL CTS OBSERVED (165 MM TOTAL LENGTH WITH MULTIPLE SPOTS, PLUMOSE GILLS) - LARGE FOR CTS THIS EARLY IN THE YEAR. GROUND SQUIRREL BURROWS LOCALLY COMMON.

Owner/Manager: PVT-SAN JUAN OAKS GOLF COURSE

Occurrence No.	764	Map Index: 68238	EO Index: 68386	Element Last Seen: 2006-01-29
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen: 2006-01-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2008-03-18

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.81925 / -121.46160	Accuracy:	specific area
UTM:	Zone-10 N4075926 E637208	Elevation (ft):	330
PLSS:	T13S, R05E, Sec. 07 (M)	Acres:	27.0

Location: WEST OF SAN JUSTO RESERVOIR, NEAR SAN JUAN OAKS GOLF CLUB.

Detailed Location:

Ecological: ANNUAL GRASSLAND DOMINATED BY LOLIUM AND PATCHES OF RUDERAL CHARACTERIZED BY SILYBUM, HIRSCHFELDIA & CONIUM. SOILS HEAVY WITH CLAY. PONDS 4 & 7 IN SWALE OF ANNUAL GRASSLAND; 7 IS ADJACENT TO GOLF COURSE. CALIFORNIA RED-LEGGED FROG ON SITE.

General: 4 ADULTS, 11 MORPHS & SUBADULTS CAPTURED DURING DRIFT FENCE STUDY, 2005 - ALL EXCEPT 1 CAPTURED IN UPLANDS. 7 ADULT FEMALES, 6 SUBADULTS CAPTURED DURING DRIFT FENCE STUDY, 2006. 1 ADULT CAPTURED IN POND 7, ALL OTHERS CAPTURED IN UPLANDS.

Owner/Manager: PVT



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Occurrence No.	802	Map Index: 69352	EO Index: 70128	Element Last Seen:	2007-05-02
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2007-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-05-23
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.88844 / -121.41590		Accuracy:	80 meters	
UTM:	Zone-10 N4083668 E641156		Elevation (ft):	235	
PLSS:	T12S, R05E, Sec. 15 (M)		Acres:	0.0	
Location:	0.4 MILE ESE OF THE INTERSECTION OF HIGHWAY 25 AND MCCONNELL ROAD, ALONG THE WEST EDGE OF HOLLISTER MUNICIPAL AIRPORT.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A CULTIVATED OAT FIELD CONTAINING NUMEROUS MAMMAL BURROWS. NO BREEDING HABITAT WAS IDENTIFIED NEARBY.				
General:	1 DEAD ADULT FOUND AT THE ENTRANCE TO A MAMMAL BURROW.				
Owner/Manager:	PVT				
Occurrence No.	822	Map Index: 70875	EO Index: 71853	Element Last Seen:	2007-10-11
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2007-10-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-26
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.78250 / -121.73162		Accuracy:	specific area	
UTM:	Zone-10 N4071495 E613178		Elevation (ft):	50	
PLSS:	T13S, R02E, Sec. 22, SE (M)		Acres:	14.0	
Location:	JUST NORTH OF UPPER MORO COJO SLOUGH AND SOUTHEAST OF CASTROVILLE BLVD, NORTH OF HIGHWAY 156, 1.5 MI NE OF CASTROVILLE.				
Detailed Location:	WEST OF THE SEWAGE TREATMENT PONDS.				
Ecological:	ANNUAL GRASSLAND/RUDERAL PATCH. LAND MAY FORMERLY HAVE BEEN ANNUAL GRASSLAND W/SEASONAL WETLANDS. SITE LIKELY SUPPORTED UPLAND HABITAT PRIOR TO GRADING. MORO COJO SLOUGH OR CASTROVILLE SEWAGE TREATMENT PONDS PROVIDE BREEDING HABITAT.				
General:	1 SUBADULT CAPTURED ON 10 FEB AND 1 ADULT MALE CAPTURED ON 11 OCT DURING 2007. BOTH CAPTURES OCCURRED DURING DRIFT FENCE STUDY AND BOTH APPEARED TO BE HYBRIDS BASED ON SPOTTING PATTERN.				
Owner/Manager:	NORTH MONTEREY COUNTY HS				



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Occurrence No.	823	Map Index: 70880	EO Index: 71856	Element Last Seen:	2007-04-03
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2007-04-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-26
Quad Summary:	San Juan Bautista (3612175)				
County Summary:	San Benito				
Lat/Long:	36.86540 / -121.61944		Accuracy:	80 meters	
UTM:	Zone-10 N4080830 E623056		Elevation (ft):	300	
PLSS:	T12S, R03E, Sec. 27, NE (M)		Acres:	0.0	
Location:	NORTHEAST OF THE JUNCTION OF COLE ROAD AND HIGHWAY 101/SR 156, 4.5 MILES WNW OF SAN JUAN BAUTISTA.				
Detailed Location:	0.15 MILE EAST OF COLE ROAD, 0.3 MILE NORTH OF HIGHWAY 101 FROM COLE ROAD.				
Ecological:	HABITAT IS A STOCK POND WITHIN ANNUAL GRASSLAND. POND MARGIN BARREN W/AQUATIC VEGETATION CLUMPED ALONG SHORELINE; NO EMERGENTS. WATER MODERATELY TURBID & UP TO 4 FT+ DEEP. SURROUNDING GRASSLANDS GRAZED, GROUND SQUIRRELS LOCALLY UNCOMMON.				
General:	7 LARVAE RANGING IN SIZE FROM 27-35 MM TL OBSERVED 3 APR 2007. BULLFROG ADULT, SUBADULT, AND 1 LARVA OBS; BUFO LARVAE LOCALLY FAIRLY COMMON. Hyla LARVAE UNCOMMON. CURR/SURROUNDING LAND USE:CATTLE RANCH, RANCHETTE, LIVESTOCK SUPPLY YARD.				
Owner/Manager:	PVT				
Occurrence No.	911	Map Index: 81197	EO Index: 82182	Element Last Seen:	2008-05-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2008-05-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-12-30
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.84989 / -121.73316		Accuracy:	80 meters	
UTM:	Zone-10 N4078970 E612941		Elevation (ft):	350	
PLSS:	T12S, R02E, Sec. 34, NE (M)		Acres:	0.0	
Location:	ABOUT 0.7 MILE NE OF ELKHORN RD AT KIRBY RD, ELKHORN SLOUGH RESERVE (TNC).				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	CREATED POND FED FROM LEAKY PIPE AT THE TOP OF A RIDGE SURROUNDED BY CHAPARRAL. DOMINANT VEGETATION WAS CATTAIL AND BULRUSH. DOZENS OF PSEUDACRIS REGILLA TADPOLES WERE OBSERVED.				
General:	9 SUBADULTS WERE DETECTED ON 17 MAY 2008.				
Owner/Manager:	TNC-ELKHORN SLOUGH RESERVE				



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Occurrence No.	920	Map Index: 89490	EO Index: 90478	Element Last Seen:	2013-05-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2013-05-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-06-27

Quad Summary: San Juan Bautista (3612175)
County Summary: San Benito

Lat/Long:	36.85883 / -121.56716	Accuracy:	specific area
UTM:	Zone-10 N4080170 E627727	Elevation (ft):	380
PLSS:	T12S, R04E, Sec. 30, SE (M)	Acres:	10.0

Location: NE SIDE OF HWY 156, FROM ABOUT 0.7 TO 0.9 MILE SE OF THE HWY 101/HWY 156 JUNCTION; NW OF SAN JUAN BAUTISTA.

Detailed Location: FEATURE REPRESENTS TWO POND SITES, ON EITHER SIDE OF AN UNNAMED ROAD CROSSING FROM HWY 156 TO SAN JUAN HWY.

Ecological: NORTH-MOST POND SMALL, EPHEMERAL; ADULT BULLFROGS AND TREE FROG TADPOLES ALSO FOUND. BOTH PONDS WITHIN GRASSLAND GRAZED BY CATTLE. LARVAE CAUGHT IN N POND DISPLAYED MORPHOLOGICAL HYBRID CHARACTERISTICS.

General: ABOUT 100 EGGS WERE OBSERVED IN NORTH POND ON 10 JAN 2013. ABOUT 350 EGGS WERE OBSERVED IN S POND ON 11 JAN 2013. 30 LARVAE CAUGHT IN N POND ON 7 MAY 2013 WERE SUBMITTED FOR DNA & DISEASE TESTING; ESTIMATED POP AT LEAST 150.

Owner/Manager: PVT, UNKNOWN

Occurrence No.	921	Map Index: 89492	EO Index: 90482	Element Last Seen:	2012-10-18
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2012-10-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-06-19

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.86334 / -121.46685	Accuracy:	80 meters
UTM:	Zone-10 N4080809 E636661	Elevation (ft):	240
PLSS:	T12S, R05E, Sec. 30, NW (M)	Acres:	0.0

Location: FLINT HILLS WEST OF HOLLISTER, ABOUT 1 MILE NNE OF FLINT RD AT FREITAS RD & 1.3 MILES WEST OF HWY 156 AT BUENA VISTA RD.

Detailed Location: MAPPED TO LOCATION GIVEN ON FIELD SUREY FORMS. ALONG UNPAVED ROAD BETWEEN THE SAN BENITO RIVER AND THE FLINT HILLS.

Ecological: GRAZED GRASSLAND HABITAT ON RANCHING PROPERTY; MULTIPLE PONDS AND ABUNDANT GROUND SQUIRREL BURROWS IN AREA. OTHER LAND USES INCLUDED LOW-DENSITY HOUSING, AGRICULTURE. POTENTIAL THREAT FROM GROUND SQUIRREL EXTERMINATION.

General: 1 ADULT MALE IN REPRODUCTIVE CONDITION, ABOUT 3 YEARS OF AGE, FOUND IN BURROW ON 18 OCT 2012.

Owner/Manager: PVT



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Occurrence No.	1018	Map Index: A0152	EO Index: 101714	Element Last Seen:	2016-01-26
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2016-01-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.78343 / -121.64341		Accuracy:	80 meters	
UTM:	Zone-10 N4071706 E621049		Elevation (ft):	231	
PLSS:	T13S, R03E, Sec. 21, SE (M)		Acres:	5.0	
Location:	PRIVATE DRIVE 0.3 MILE NNW OF PESANTE ROAD AT HOLLY HILL DRIVE, 0.3 MILE SE OF COKER ROAD AT EDEN COURT, PRUNEDALE.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	PAVED DRIVEWAY IN RURAL RESIDENTIAL AREA AND GRAZING LAND. NEAREST KNOWN POTENTIAL BREEDING SITE ABOUT 1 MILE SOUTH.				
General:	1 FOUND DEAD ON ROAD ON 26 JAN 2016.				
Owner/Manager:	PVT				
Occurrence No.	1023	Map Index: A1123	EO Index: 102691	Element Last Seen:	2011-06-01
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2011-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-08-01
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.07257 / -121.65042		Accuracy:	80 meters	
UTM:	Zone-10 N4103775 E619969		Elevation (ft):	401	
PLSS:	T10S, R03E, Sec. 9, SW (M)		Acres:	5.0	
Location:	CORDEVALLE COUNTRY CLUB, ABOUT 0.5 MILES SOUTHWEST OF WATSONVILLE RD AT HAYES LN, W OF SAN MARTIN.				
Detailed Location:	MAPPED TO COORDINATES PROVIDED IN SCP REPORT. EXACT LOCATIONS NOT GIVEN IN LSA REPORTS.				
Ecological:	BROAD VALLEY CONTAINING HEADWATERS OF THE WEST BRANCH OF LLAGAS CREEK. GOLF COURSE, VINEYARDS AND HOUSING IN CLOSE PROXIMITY.				
General:	LARVAE DETECTED ON PROPERTY IN 2005 & 2006, EXACT LOCATION NOT KNOWN. 6 LARVAE DETECTED, APR-JUN 2011.				
Owner/Manager:	PVT-CORDEVALLE GOLF COURSE				



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Occurrence No.	1026	Map Index: A1322	EO Index: 102894	Element Last Seen:	2016-06-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-27
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.11207 / -121.65594		Accuracy:	80 meters	
UTM:	Zone-10 N4108150 E619416		Elevation (ft):	452	
PLSS:	T09S, R03E, Sec. 33, NW (M)		Acres:	5.0	
Location:	ABOUT 0.3 MILES NE OF DEWITT AVE AT ORIGILIA LN AND 0.7 MILES W OF MONTEREY RD AT TENNANT AVE IN MORGAN HILL.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	STOCK POND IN GRAZED OPEN SPACE. SITE OF "POWER CONNECT PROJECT."				
General:	TWO LARVAE CAUGHT AND RELEASED ON 2 JUN 2016; SEVERAL OTHERS WERE OBSERVED AT THE POND'S SURFACE BUT NOT CAPTURED.				
Owner/Manager:	UNKNOWN				
Occurrence No.	1032	Map Index: A2442	EO Index: 104051	Element Last Seen:	2014-12-10
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2014-12-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-11-14
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82641 / -121.71091		Accuracy:	specific area	
UTM:	Zone-10 N4076391 E614961		Elevation (ft):	146	
PLSS:	T13S, R02E, Sec. 2, SE (M)		Acres:	10.0	
Location:	STRAWBERRY RD, ABOUT 0.1-0.3 MI W OF THE TUCKER RD JCT & 1.1-1.25 AIR MI ESE OF THE ELKHORN RD JCT, E OF ELKHORN SLOUGH.				
Detailed Location:	MAPPED TO PROVIDED MAP & COORDINATES.				
Ecological:	COUNTY ROAD NEAR WETLANDS USED AS BREEDING SITES. LOW-DENSITY RESIDENTIAL AREA IN OAK WOODLAND.				
General:	1 OBSERVED CROSSING ROAD TOWARDS POTENTIAL BREEDING POND ON 10 DEC 1992. 1 ADULT OBSERVED WALKING ON ROAD ON 10 DEC 2014; PRESUMED TO BE TRAVELING TO BREEDING SITE.				
Owner/Manager:	MNT COUNTY, PVT				



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Occurrence No.	1034	Map Index: A4535	EO Index: 106226	Element Last Seen:	2016-10-19
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2016-10-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-06-22

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.77746 / -121.70667	Accuracy:	specific area
UTM:	Zone-10 N4070965 E615413	Elevation (ft):	61
PLSS:	T13S, R02E, Sec. 25, NW (M)	Acres:	10.0

Location: BETWEEN HWY 156 AND BLACKIE RD, FROM ABOUT 0.25 MILES SW TO 0.3 MILES SSE OF HWY 156 AT OAK HILLS DR, NE OF CASTROVILLE.

Detailed Location: MAPPED TO PROVIDED COORDINATES.

Ecological: ACTIVE FARM GROWING MOSTLY STRAWBERRIES ON VERY SANDY SOIL. FREQUENT MAINTENANCE CONDUCTED TO REPAIR EROSION AND SEDIMENTATION DUE TO RUNOFF. AREA IS REGULARLY DISKED.

General: 2 ADULTS FOUND ON 19 OCT 2016 DURING FARM WORK (ONE UNEARTHED FROM BURROW, ONE FOUND ON SURFACE) AND RELOCATED TO AN ADJACENT DETENTION BASIN.

Owner/Manager: PVT

Occurrence No.	1041	Map Index: A6374	EO Index: 108132	Element Last Seen:	2016-11-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-11-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-12

Quad Summary: Gilroy Hot Springs (3712114)

County Summary: Santa Clara

Lat/Long:	37.04661 / -121.38259	Accuracy:	specific area
UTM:	Zone-10 N4101267 E643828	Elevation (ft):	2173
PLSS:	T10S, R05E, Sec. 24, SW (M)	Acres:	10.0

Location: ABOUT 0.1 TO 0.3 MI ESE OF KICKHAM PEAK & 2.0 MI SW OF GULNAC PEAK, CANADA DE LOS OSOS ER.

Detailed Location: TWO PONDS REPRESENTED, FOUR CORNERS POND (EAST) & EAST BIG SPRING POND (WEST).

Ecological: EAST BIG SPRING (EBS): SMALL POND W/ASSOCIATED SPRING, DEEPENED BY EXCAVATION IN 2015 & FENCED TO EXCLUDE PIGS; IN UNGRAZED, HILLY GRASSLAND. FOUR CORNERS POND (FCP): EARLY-DRYING POND, DEEPENED IN 2015; IN DRAINAGE W/OAK WOODLAND.

General: FCP: 3 TADPOLES CAUGHT & RELEASED 22 MAY 2016. EBS: 138 LARVAE SEINED ON 24 NOV 2016.

Owner/Manager: DFG-CANADA DE LOS OSOS ER



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Occurrence No.	1042	Map Index: A6367	EO Index: 108171	Element Last Seen:	2016-08-28
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-08-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-22

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.05392 / -121.38431	Accuracy:	80 meters
UTM:	Zone-10 N4102074 E643662	Elevation (ft):	1738
PLSS:	T10S, R05E, Sec. 24, NW (M)	Acres:	5.0

Location: NORTH SIDE OF ELEPHANT HEAD RIDGE ABOUT 0.4 MI N OF KICKHAM PEAK & 1.7 MI SW OF GULNAC PEAK, CANADA DE LOS OSOS ER.
Detailed Location: SITE KNOWN AS CORRAL POND OR OLD CORRAL POND.
Ecological: FORMER FARM POND FAR FROM PERENNIAL STREAMS, SUBJECT TO DRYING IN DROUGHT. SEASONAL STREAM W/DENSE VEG PROVIDES UPLAND HABITAT. IN GRASSLAND/BLEUE OAK SAVANNA. WAS A RANCH, NOW A PRESERVE. EARLY DRYING 2014-2015 MAY HAVE REDUCED POPULATION.
General: 70 LARVAE & METAMORPHS CAPTURED AND RELEASED IN 2013. 30 LARVAE OBSERVED 28 AUG 2016.
Owner/Manager: DFG-CANADA DE LOS OSOS ER

Occurrence No.	1046	Map Index: A6761	EO Index: 108531	Element Last Seen:	2017-03-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-03-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-09

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.84038 / -121.43294	Accuracy:	80 meters
UTM:	Zone-10 N4078311 E639727	Elevation (ft):	480
PLSS:	T12S, R05E, Sec. 33, SW (M)	Acres:	5.0

Location: ABOUT 0.6 MILES NE OF UNION RD AT GENEIL CT & 0.9 MILES SW OF SOUTH ST AT SUMMER DR IN HOLLISTER.
Detailed Location: MAPPED TO PROVIDED COORDINATES.
Ecological: CONSTRUCTION SITE SURROUNDED BY GRASSLANDS WITH WETLAND TO NORTH. SURROUNDING AREA AGRICULTURAL (GRAZING, ORCHARDS, FARMLAND). VISIBLE DISTURBANCE FROM CONSTRUCTION OF WATER TREATMENT PLANT.
General: 1 POTENTIALLY GRAVID ADULT OBSERVED DURING PRE-CONSTRUCTION SURVEY ON 16 MAR 2017.
Owner/Manager: SBT COUNTY



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Occurrence No.	1052	Map Index: A8102	EO Index: 109884	Element Last Seen:	2016-05-02
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-01-23
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.85472 / -121.71283		Accuracy:	specific area	
UTM:	Zone-10 N4079529 E614748		Elevation (ft):	142	
PLSS:	T12S, R02E, Sec. 26, SE (M)		Acres:	10.0	
Location:	FROM ABOUT 0.5 TO 0.7 MILES SSW OF HALL RD AT JOHNSON RD & 1.7 MILES NE OF ELKHORN RD AT KIRBY RD, ELKHORN HIGHLANDS.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES. NORTH POND ON AGRICULTURE AND LAND-BASED TRAINING ASSOCIATION (ALBA) FARM. SOUTH POND WITHIN ELKHORN SLOUGH FOUNDATION PRESERVE.				
Ecological:	NORTH POND CREATED AS PART OF WETLAND RESTORATION PROJECT IN 2012; BREEDING FIRST CONFIRMED IN 2015; METAMORPHOSIS LIKELY OCCURRED AS THERE WAS SUFFICIENT WATER. SOUTH POND AN "AG POND." LAND USES INCLUDED AGRICULTURE AND CONSERVATION.				
General:	3 LARVAE CAUGHT IN NORTH POND ON 21 MAY 2015. 18 LARVAE OBSERVED IN SOUTH POND ON 2 MAY 2016.				
Owner/Manager:	PVT, ELKHORN SLOUGH FOUNDATION				
Occurrence No.	1053	Map Index: A8103	EO Index: 109885	Element Last Seen:	2016-05-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-01-17
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.84818 / -121.71201		Accuracy:	80 meters	
UTM:	Zone-10 N4078805 E614830		Elevation (ft):	425	
PLSS:	T12S, R02E, Sec. 35, NE (M)		Acres:	5.0	
Location:	ABOUT 0.9 MILES SSW OF HALL RD AT JOHNSON RD & 1.7 MILES ENE OF ELKHORN RD AT KIRBY RD, ELKHORN HIGHLANDS.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES. WITHIN ELKHORN SLOUGH FOUNDATION PRESERVE.				
Ecological:	DESCRIBED AS "ELZAS NON-AGRICULTURAL POND." SURROUNDING LAND USES INCLUDED AGRICULTURE AND CONSERVATION.				
General:	24 LARVAE OBSERVED ON 2 MAY 2016. SURVEYOR NOTED, "ALL CTS WERE YELLOWISH-GREEN; ONE HAD BROKEN OFF TAIL."				
Owner/Manager:	ELKHORN SLOUGH FOUNDATION				



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Occurrence No.	1054	Map Index: A8104	EO Index: 109886	Element Last Seen:	2016-05-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-01-17
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.85486 / -121.72187		Accuracy:	80 meters	
UTM:	Zone-10 N4079534 E613941		Elevation (ft):	289	
PLSS:	T12S, R02E, Sec. 26, SW (M)		Acres:	5.0	
Location:	ABOUT 0.9 MILES SW OF HALL RD AT JOHNSON RD & 1.3 MILES NE OF ELKHORN RD AT KIRBY RD, ELKHORN HIGHLANDS.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES. WITHIN ELKHORN SLOUGH FOUNDATION PRESERVE.				
Ecological:	DESCRIBED AS "BROTHERS RESERVOIR." SURROUNDING LAND USES INCLUDED AGRICULTURE AND CONSERVATION.				
General:	2 LARVAE OBSERVED ON 2 MAY 2016.				
Owner/Manager:	ELKHORN SLOUGH FOUNDATION				
Occurrence No.	1059	Map Index: A8397	EO Index: 110182	Element Last Seen:	2015-06-15
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-02-08
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82061 / -121.73118		Accuracy:	specific area	
UTM:	Zone-10 N4075724 E613162		Elevation (ft):	10	
PLSS:	T13S, R02E, Sec. 10, NE (M)		Acres:	9.0	
Location:	LOWER CATTAIL POND, ELKHORN SLOUGH NATIONAL ESTUARINE RESERVE; ABOUT 0.1 MILES W OF ELKHORN RD AT PARADISE VALLEY RD.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	LARGE SEASONAL POND WITH CATTAILS SURROUNDED BY OAK WOODLAND AND EUCALYPTUS, WITH ELKHORN SLOUGH TO WEST. ARTIFICIALLY SEPARATED FROM ELKHORN SLOUGH BY A WATER CONTROL STRUCTURE. POND FORMERLY FED BY AG RUNOFF, NOW ONLY RECEIVES RAINFALL.				
General:	4 LARVAE OBSERVED ON 20 APR 2015. ABOUT 20 LARVAE DIPNETTED ON 25 APR 2015, TAIL CLIPS COLLECTED FOR GENETIC ANALYSIS (SHAFFER, UCLA). 10S OF LARVAE OBSERVED ON 15 JUN 2015.				
Owner/Manager:	DFG-ELKHORN SLOUGH ER				



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Occurrence No.	1071	Map Index: B2311	EO Index: 114237	Element Last Seen:	20XX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	20XX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-03-01
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.93754 / -121.56429		Accuracy:	1/10 mile	
UTM:	Zone-10 N4088906 E627852		Elevation (ft):	441	
PLSS:	T11S, R04E, Sec. 31, NE (M)		Acres:	18.0	
Location:	ABOUT 2.3 MILES NNW OF US-101 AT EXIT 349 AND 2.9 MILES NE OF CA-129 AT SCHOOL RD, SARGENT RANCH.				
Detailed Location:	MAPPED TO PROVIDED MAP AND COORDINATES.				
Ecological:	EASTERN TIGER SALAMANDERS AND HYBRIDS HAVE BEEN FOUND ELSEWHERE ON THIS PROPERTY (EOS #103, 407). PROPERTY USED FOR CATTLE RANCHING AND OIL EXTRACTION, WITH QUARRY PROPOSED IN 2017.				
General:	DETECTED DURING SURVEYS IN 2000-2001 AND/OR 2005-2015.				
Owner/Manager:	PVT				
Occurrence No.	1072	Map Index: B2312	EO Index: 114238	Element Last Seen:	20XX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	20XX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-03-01
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.92213 / -121.55735		Accuracy:	1/10 mile	
UTM:	Zone-10 N4087205 E628496		Elevation (ft):	251	
PLSS:	T12S, R04E, Sec. 5, NE (M)		Acres:	18.0	
Location:	ABOUT 1.2 MILES N OF US-101 AT EXIT 349 AND 2.4 MILES NE OF CA-129 AT SCHOOL RD, SARGENT RANCH.				
Detailed Location:	MAPPED TO PROVIDED MAP AND COORDINATES.				
Ecological:	EASTERN TIGER SALAMANDERS AND HYBRIDS HAVE BEEN FOUND ELSEWHERE ON THIS PROPERTY (EOS #103, 407). PROPERTY USED FOR CATTLE RANCHING AND OIL EXTRACTION, WITH QUARRY PROPOSED IN 2017 AT THIS SITE.				
General:	DETECTED DURING SURVEYS IN 2000-2001 AND/OR 2005-2015.				
Owner/Manager:	PVT				
Occurrence No.	1073	Map Index: B2316	EO Index: 114242	Element Last Seen:	20XX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	20XX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-03-01
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.9366 / -121.579		Accuracy:	1/10 mile	
UTM:	Zone-10 N4088782 E626544		Elevation (ft):	368	
PLSS:	T11S, R04E, Sec. 31, NW (M)		Acres:	18.0	
Location:	ABOUT 2.5 MILES NW OF US-101 AT EXIT 349 AND 2.6 MILES NNE OF CA-129 AT SCHOOL RD, SARGENT RANCH.				
Detailed Location:	MAPPED TO PROVIDED MAP AND COORDINATES.				
Ecological:	EASTERN TIGER SALAMANDERS AND HYBRIDS HAVE BEEN FOUND ELSEWHERE ON THIS PROPERTY (EOS #103, 407). PROPERTY USED FOR CATTLE RANCHING AND OIL EXTRACTION, WITH QUARRY PROPOSED IN 2017.				
General:	DETECTED DURING SURVEYS IN 2000-2001 AND/OR 2005-2015.				
Owner/Manager:	PVT				



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<i>Aneides niger</i>		Element Code: AAAAD01070	
Santa Cruz black salamander			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G3
	State: None		State: S3
	Other: CDFW_SSC-Species of Special Concern		
Habitat:	General: MIXED DECIDUOUS AND CONIFEROUS WOODLANDS AND COASTAL GRASSLANDS IN SAN MATEO, SANTA CRUZ, AND SANTA CLARA COUNTIES.		
	Micro: ADULTS FOUND UNDER ROCKS, TALUS, AND DAMP WOODY DEBRIS.		

Occurrence No.	16	Map Index: A1575	EO Index: 103164	Element Last Seen:	1898-03-31
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1898-03-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-08-24

Quad Summary: Mt. Madonna (3712116), Loma Prieta (3712117)
County Summary: Santa Clara

Lat/Long:	37.04356 / -121.73493	Accuracy:	non-specific area
UTM:	Zone-10 N4100453 E612499	Elevation (ft):	1009
PLSS:	T10S, R02E, Sec. 22 (M)	Acres:	271.0

Location: MURPHY CANYON, ABOUT 2.75 MI NORTHWEST OF MT. MADONNA, ABOUT 7.4 MI SW OF MORGAN HILL.
Detailed Location: STATED LOCALITY: "MURPHY CREEK N OF MT MADONNA." CANNOT LOCATE MURPHY CREEK, MAPPED TO CREEK AT MURPHY CANYON.
Ecological:
General: ADULT PARATYPE COLLECTED ON 31 MAR 1898.
Owner/Manager: UNKNOWN

Occurrence No.	74	Map Index: A2120	EO Index: 103720	Element Last Seen:	2014-03-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2014-03-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-10-05

Quad Summary: Watsonville East (3612186), Watsonville West (3612187), Mt. Madonna (3712116), Loma Prieta (3712117)
County Summary: Santa Cruz

Lat/Long:	37.00137 / -121.75604	Accuracy:	1 mile
UTM:	Zone-10 N4095747 E610683	Elevation (ft):	350
PLSS:	T11S, R02E, Sec. 4 (M)	Acres:	1987.0

Location: GREEN VALLEY RD, NORTH WATSONVILLE.
Detailed Location: MAPPED TO VICINITY OF GREEN VALLEY RD IN HILLS ABOVE WATSONVILLE. EXACT LOCATION UNKNOWN, MOST LIKELY FOUND AT CREEK PARALLEL TO ROAD.
Ecological:
General: ADULTS PHOTOGRAPHED ON 23 MAR 2014.
Owner/Manager: UNKNOWN



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Occurrence No.	75	Map Index: A2123	EO Index: 103722	Element Last Seen:	1946-06-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1946-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-10-05

Quad Summary: Watsonville East (3612186), Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long: 36.99962 / -121.686 **Accuracy:** non-specific area

UTM: Zone-10 N4095637 E616918 **Elevation (ft):** 600

PLSS: T11S, R03E, Sec. 6 (M) **Acres:** 196.0

Location: HECKER PASS HWY (HWY 152) ALONG BODFISH CREEK, MT MADONNA COUNTY PARK.

Detailed Location: EXACT LOCATIONS UNKNOWN. ATTRIBUTED SPECIEMEN COLLECTED "NEAR HECTOR PASS."

Ecological:

General: COLLECTED ON 6 NOV 1938 AMD 2 JUN 1946.

Owner/Manager: SCL COUNTY, PVT



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<i>Taricha torosa</i>		Element Code: AAAAF02032	
Coast Range newt			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G4
	State: None		State: S4
	Other: CDFW_SSC-Species of Special Concern		
Habitat:	General: COASTAL DRAINAGES FROM MENDOCINO COUNTY TO SAN DIEGO COUNTY.		
	Micro: LIVES IN TERRESTRIAL HABITATS AND WILL MIGRATE OVER 1 KM TO BREED IN PONDS, RESERVOIRS AND SLOW MOVING STREAMS.		

Occurrence No.	4	Map Index:	38193	EO Index:	35222	Element Last Seen:	1998-02-24
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1998-02-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-11-19	

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.81567 / -121.44934	Accuracy:	80 meters
UTM:	Zone-10 N4075546 E638308	Elevation (ft):	400
PLSS:	T13S, R05E, Sec. 08 (M)	Acres:	0.0

Location: JUST SW OF SAN JUSTO RESERVOIR DAM, 1.9 MILES SSE OF UNION ROAD & HIGHWAY 156, 3.7 MILES SW OF HOLLISTER.
Detailed Location: CEMENT WASTE PILE NEAR TOE DRAIN BELOW SAN JUSTO RESERVOIR DAM.
Ecological: IMMEDIATE VEGETATION IS NON-NATIVE GRASSLAND AND A RIPARIAN AREA IS 20 METERS WEST.
General: 12 SALAMANDERS OBSERVED, 1998.
Owner/Manager: USBOR

Occurrence No.	58	Map Index:	72411	EO Index:	73377	Element Last Seen:	2001-03-06
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2001-03-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-26	

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey

Lat/Long:	36.80596 / -121.61321	Accuracy:	specific area
UTM:	Zone-10 N4074244 E623706	Elevation (ft):	517
PLSS:	T13S, R03E, Sec. 14, NW (M)	Acres:	0.0

Location: STOCK POND, 0.25 MILE NNE OF CRAZY HORSE CANYON RD AT DUMP RD.
Detailed Location: WITHIN 250 METERS EAST OF CRAZY HORSE CYN RD. MAPPED TO PROVIDED COORDINATES, DESCRIPTION, & 2007 AERIAL IMAGE.
Ecological: APPEARS TO BE NON-NATIVE GRASSLANDS USED FOR CATTLE GRAZING WITH SCATTERED OAK WOODLANDS (AERIAL IMAGES).
General: 500 BREEDING ADULTS OBSERVED ON 6 MAR 2001.
Owner/Manager: PVT

<i>Dicamptodon ensatus</i>		Element Code: AAAAH01020	
California giant salamander			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2G3
	State: None		State: S2S3
	Other: CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened		
Habitat:	General: KNOWN FROM WET COASTAL FORESTS NEAR STREAMS AND SEEPS FROM MENDOCINO COUNTY SOUTH TO MONTEREY COUNTY, AND EAST TO NAPA COUNTY.		
	Micro:		



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AQUATIC LARVAE FOUND IN COLD, CLEAR STREAMS, OCCASIONALLY IN LAKES AND PONDS. ADULTS KNOWN FROM WET FORESTS UNDER ROCKS AND LOGS NEAR STREAMS AND LAKES.

Occurrence No.	112	Map Index:	98885	EO Index:	100421	Element Last Seen:	2013-05-01
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2013-05-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-01-27	
Quad Summary:	Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.00370 / -121.70310			Accuracy:	specific area		
UTM:	Zone-10 N4096069 E615389			Elevation (ft):	1300		
PLSS:	T11S, R02E, Sec. 01, SE (M)			Acres:	66.0		
Location:	ABOUT 0.75 MILE OF UPPER BLACKHAWK CANYON, JUST NORTH OF VALLEY VIEW CAMPGROUND, MT MADONNA COUNTY PARK, SANTA CRUZ MTS.						
Detailed Location:	ACCESSIBLE BY BLACKHAWK TRAIL WHICH FOLLOWS THE CREEK IN THE CANYON.						
Ecological:							
General:	67 LARVAE FOUND ACROSS ABOUT 3/4 OF A MILE OF CREEK ON 1 MAY 2013.						
Owner/Manager:	SCL COUNTY						
Occurrence No.	113	Map Index:	98886	EO Index:	100422	Element Last Seen:	1939-08-05
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1939-08-05	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-01-22	
Quad Summary:	Watsonville East (3612186), Mt. Madonna (3712116)						
County Summary:	Santa Clara, Santa Cruz						
Lat/Long:	36.99563 / -121.71774			Accuracy:	3/5 mile		
UTM:	Zone-10 N4095156 E614099			Elevation (ft):			
PLSS:	T11S, R02E, Sec. 11 (M)			Acres:	0.0		
Location:	HECKER PASS, 8 MILES WEST OF GILROY.						
Detailed Location:	EXACT LOCATION UNKNOWN; MAPPED NON-SPECIFICALLY TO HECKER PASS. LARVA LIKELY OCCUR IN NEARBY CASSERLY CREEK, GAFFEY CREEK, OR OTHER STREAMS. MASLIN'S FIELD NOTES ARE AT MVZ, BUT NOT SCANNED.						
Ecological:							
General:	SIX COLLECTED ON 5 AUG 1939.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	164	Map Index:	98984	EO Index:	100504	Element Last Seen:	1957-06-25
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1957-06-25	Record Last Updated:	2016-01-27
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			
Quad Summary:	Mt. Madonna (3712116), Loma Prieta (3712117), Morgan Hill (3712126), Santa Teresa Hills (3712127)						
County Summary:	Santa Clara						
Lat/Long:	37.13052 / -121.76209		Accuracy:	1 mile			
UTM:	Zone-10 N4110069 E609957		Elevation (ft):				
PLSS:	T09S, R02E, Sec. 21 (M)		Acres:	0.0			
Location:	SIX AIR MILES WEST OF MORGAN HILL.						
Detailed Location:	MAPPED NON-SPECIFICALLY TO LOCATION ONLY STATED AS 6 MI W OF MORGAN HILL. NEEDS FIELD WORK. IT SEEMS POSSIBLE THAT DICAMPTODON MAY EXIST IN TRIBUTARIES OF LITTLE UVAS CREEK AND/OR LLAGAS CREEK.						
Ecological:	FOUND UNDER BOULDER IN CREEK.						
General:	ONE COLLECTED ON 25 JUN 1957.						
Owner/Manager:	SCL COUNTY, UNKNOWN						

<i>Spea hammondii</i>	Element Code: AAABF02020
western spadefoot	
Listing Status:	Federal: None
	State: None
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened
Habitat:	General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
	Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.
	CNDDDB Element Ranks: Global: G2G3
	State: S3

Occurrence No.	341	Map Index:	63841	EO Index:	63936	Element Last Seen:	2006-02-28
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2006-02-28	Record Last Updated:	2019-03-06
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			
Quad Summary:	Hollister (3612174)						
County Summary:	San Benito						
Lat/Long:	36.83065 / -121.43334		Accuracy:	specific area			
UTM:	Zone-10 N4077231 E639708		Elevation (ft):	320			
PLSS:	T13S, R05E, Sec. 04 (M)		Acres:	10.1			
Location:	NE SIDE OF UNION ROAD, 0.75 MILE NW OF THE INTERSECTION OF UNION ROAD AND RIVERSIDE ROAD, NW EDGE OF HOLLISTER.						
Detailed Location:	POND IS HIGHLY SEASONAL AND WAS NEARLY DRY BY 25 APR 2005, DESPITE ABOVE-AVERAGE RAINFALL DURING WINTER 2004-2005.						
Ecological:	HABITAT CONSISTED OF A RUDERAL FIELD THAT IS PARTIALLY USED FOR AGRICULTURE AND CONTAINS A HIGHLY-SEASONAL POOL; SOILS ARE VERY SANDY AND FRIABLE.						
General:	100 LARVAE WERE CAPTURED IN A MINNOW TRAP ON 12-14 APR 2005. 1 ADULT FEMALE (SVL= 62 MM) WAS CAPTURED (ALONG WITH 3 CTS) ON 18 DEC 2005, DURING A WINTER DRIFT FENCE STUDY. 1 ADULT CAPTURED ON 28 FEB 2006.						
Owner/Manager:	PVT						

<i>Rana draytonii</i>	Element Code: AAABH01022
California red-legged frog	
Listing Status:	Federal: Threatened
	State: None
	Other: CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable
Habitat:	General:
	CNDDDB Element Ranks: Global: G2G3
	State: S2S3



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LOWLANDS AND FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No.	29	Map Index:	17130	EO Index:	12067	Element Last Seen:	1999-08-07
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1999-08-07	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1999-08-30	

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey

Lat/Long:	36.78723 / -121.61869	Accuracy:	80 meters
UTM:	Zone-10 N4072159 E623248	Elevation (ft):	380
PLSS:	T13S, R03E, Sec. 22 (M)	Acres:	0.0

Location: NEAR THE END OF PESANTE CANYON ROAD, IN THE VICINITY OF PRUNEDALE.

Detailed Location:

Ecological: SPRING-FED POND IN MONTEREY PINE-COAST LIVE OAK-EUCALYPTUS WOODLAND. WILLOWS SCATTERED IN AND AROUND POND. HORSETAIL, SEDGES, RUSHES, AND OTHER HERBACEOUS WETLAND PLANTS. GOOD SHADE COVER, (100% DUCKWEED COVER). WATER CLEAR, 2-3 FT DEEP.

General: 4 LARVAE OBSERVED ON 9 MAY 1990. 10 INDIVIDUALS OBSERVED ON 7 AUG 1999.

Owner/Manager: PVT

Occurrence No.	30	Map Index:	20118	EO Index:	9753	Element Last Seen:	2003-07-23
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2003-07-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-04-22	

Quad Summary: Prunedale (3612176)
County Summary: Monterey

Lat/Long:	36.77626 / -121.67216	Accuracy:	non-specific area
UTM:	Zone-10 N4070875 E618494	Elevation (ft):	30
PLSS:	T13S, R03E, Sec. 29 (M)	Acres:	71.0

Location: WETLAND AREA W OF PRUNEDALE, MOSTLY W OF HWY 101 FROM JCT OF BLACKIE RD & CROSS RD N ~1 MI ALONG PRUNEDALE SOUTH RD.

Detailed Location:

Ecological: SOUTH SECTION OF DRAINAGE IS WETLAND AREA W/ CATTAIL, SEDGES, RUSHES, & HEMLOCK. WILLOWS SCATTERED. 2 -3 FT DEEP POOLS W/ 100 % DUCKWEED COVER. OAK WOODLAND ADJACENT. NORTH SECTION OF DRAINAGE IN PASTURELAND W/ADJACENT WILLOW GROVE.

General: 3 ADULTS & OVER 100 LARVAE FOUND ON 7 MAY 1990. HYLEA LARVAE ALSO PRESENT IN 1990. 2 ADULT OBSERVED ON 28 AUG 2001. 1 ADULT OBSERVED ON 23 JUL 2003. SEVERAL BULLFROGS WERE OBSERVED IN THIS LOCATION & >100 OBS ~1 MI DOWNSTREAM.

Owner/Manager: UNKNOWN



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Occurrence No.	39	Map Index: 17385	EO Index: 11940	Element Last Seen:	1990-04-10
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1990-04-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1991-02-05
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.94533 / -121.44518		Accuracy:	80 meters	
UTM:	Zone-10 N4089937 E638445		Elevation (ft):	150	
PLSS:	T11S, R05E, Sec. 29 (M)		Acres:	0.0	
Location:	TEQUISQUITA SLOUGH, 0.2 MILE NORTH OF SHORE ROAD, 4 MI NNW OF HOLLISTER MUNICIPAL AIRPORT.				
Detailed Location:	APPROXIMATELY 40 ADULTS OBSERVED IN A PONDED AREA ALONG TEQUISQUITA SLOUGH.				
Ecological:	HABITAT IS FRESHWATER MARSH VEGETATED BY TULE AND WILLOWS. SURROUNDING AREA IS MADE UP OF AGRICULTURAL FIELDS.				
General:	SLOUGH DRIED UP EARLY IN 1990 DUE TO DROUGHT CONDITIONS.				
Owner/Manager:	PVT				
Occurrence No.	47	Map Index: 24502	EO Index: 6594	Element Last Seen:	1991-09-25
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1991-09-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-10-24
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.94403 / -121.38525		Accuracy:	specific area	
UTM:	Zone-10 N4089881 E643785		Elevation (ft):	200	
PLSS:	T11S, R05E, Sec. 26 (M)		Acres:	6.9	
Location:	PACHECO CREEK, AT THE HWY 156 CROSSING, 0.75 MILE NORTH OF FAIRVIEW ROAD, 6 MILES NORTH OF HOLLISTER.				
Detailed Location:	POOL WITH LARVAE FORMED AROUND BOULDERS AND A CONCRETE SLAB, WITH OVERHANGING WILLOWS.				
Ecological:	HABITAT CONSISTS OF A POOL WITHIN PACHECO CREEK WITHIN SYCAMORE ALLUVIAL WOODLAND, DOMINATED BY WILLOWS, LIVE OAKS, VALLEY OAKS, AND SYCAMORES. CATTAILS AND OTHER MARSH PLANTS FOUND IN CREEK CHANNEL.				
General:	6 LARVAE OBSERVED IN 1991.				
Owner/Manager:	PVT-CASA DE FRUTA				
Occurrence No.	97	Map Index: 25579	EO Index: 5490	Element Last Seen:	1989-07-01
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1989-07-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-02-23
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.76533 / -121.45137		Accuracy:	2/5 mile	
UTM:	Zone-10 N4069958 E638218		Elevation (ft):	1200	
PLSS:	T13S, R05E, Sec. 32 (M)		Acres:	0.0	
Location:	VICINITY OF AZALEA CANYON AND BIRD CREEK, HOLLISTER HILLS STATE VEHICLE RECREATION AREA.				
Detailed Location:	SITE IS PART OF A STATE PARK PRESERVE, LOCATED WITHIN AN ORV PARK.				
Ecological:	HABITAT CONSISTS OF OAK RIPARIAN, DOMINATED BY COAST LIVE OAK, SYCAMORE, AND POISON OAK; NORTH AND EAST ASPECTS, 0-20% SLOPE.				
General:	SEVERAL INDIVIDUALS OBSERVED ON 1 JULY 1989.				
Owner/Manager:	DPR-HOLLISTER HILLS SVRA				



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Occurrence No.	168	Map Index:	33856	EO Index:	1244	Element Last Seen:	2005-05-22
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2005-05-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-04-13	

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.07183 / -121.42069	Accuracy:	non-specific area
UTM:	Zone-10 N4104008 E640392	Elevation (ft):	1360
PLSS:	T10S, R05E, Sec. 16, NE (M)	Acres:	170.1

Location: COON HUNTERS GULCH, HENRY W. COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF POOLS IN AN INTERMITTENT CREEK. EMYS MARMORATA ALSO FOUND IN THIS DRAINAGE.

General: 3+ ADULTS OBSERVED ON 23 MAY 1994. 1 ADULT AND 2 JUVENILES OBSERVED ON 16 MAY 2004. 1 JUVENILE OBSERVED ON 22 MAY 2005.

Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	169	Map Index:	33441	EO Index:	1276	Element Last Seen:	2001-07-07
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2001-07-07	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-01-08	

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.08447 / -121.41928	Accuracy:	80 meters
UTM:	Zone-10 N4105412 E640495	Elevation (ft):	2320
PLSS:	T10S, R05E, Sec. 10, NW (M)	Acres:	0.0

Location: 0.25 MILE NW OF WILSON RANCH, HENRY W COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF A STOCK POND IN OAK SAVANNAH.

General: 1+ ADULTS OBSERVED ON 25 MAY 1994. 4 ADULTS AND 24 TADPOLES OBSERVED ON 7 JUL 2001.

Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	170	Map Index:	33442	EO Index:	1295	Element Last Seen:	1994-05-25
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1994-05-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1996-09-10	

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.08435 / -121.42869	Accuracy:	80 meters
UTM:	Zone-10 N4105384 E639659	Elevation (ft):	2200
PLSS:	T10S, R05E, Sec. 09, NE (M)	Acres:	0.0

Location: UPPER END OF THE SOUTH FORK OF BRAEN CANYON, HENRY W. COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF SPRING-FED STOCK POND.

General: 1+ ADULTS OBSERVED ON 25 MAY 1994.

Owner/Manager: DPR-HENRY W COE SP



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Occurrence No.	171	Map Index: 33443	EO Index: 1259	Element Last Seen: 1994-05-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1994-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1996-08-27

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.07583 / -121.42925	Accuracy:	80 meters
UTM:	Zone-10 N4104438 E639624	Elevation (ft):	1900
PLSS:	T10S, R05E, Sec. 09, SE (M)	Acres:	0.0

Location: 0.8 MILE SW OF WILSON RANCH, HENRY W COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF A SPRING-FED STOCK POND.

General: 1+ ADULTS OBSERVED ON 25 MAY 1994.

Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	172	Map Index: 33444	EO Index: 1277	Element Last Seen: 2001-06-02
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2001-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2004-01-08

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.07676 / -121.40878	Accuracy:	80 meters
UTM:	Zone-10 N4104572 E641442	Elevation (ft):	1760
PLSS:	T10S, R05E, Sec. 10, SE (M)	Acres:	0.0

Location: 0.5 MILE SE OF WILSON RANCH, HENRY W COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF A STOCK POND IN OAK SAVANNAH.

General: 3+ ADULTS AND ABUNDANT LARVAE OBSERVED ON 23 MAY 1994. 5 ADULTS AND 2 TADPOLES OBSERVED ON 2 JUN 2001.

Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	173	Map Index: 33445	EO Index: 1231	Element Last Seen: 2001-06-30
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen: 2001-06-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2004-01-08

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.06129 / -121.41269	Accuracy:	80 meters
UTM:	Zone-10 N4102850 E641124	Elevation (ft):	2000
PLSS:	T10S, R05E, Sec. 15, SW (M)	Acres:	0.0

Location: ALONG PHEGLEY RIDGE, HENRY W COE STATE PARK.

Detailed Location: NO BULLFROGS WERE OBSERVED IN THIS POND IN 1994; BY 2001, BULLFROGS HAD COLONIZED THIS POND, MOST LIKELY FROM REDFERN POND, LOCATED ABOUT 0.3 MILE AWAY.

Ecological: HABITAT CONSISTS OF A SPRING-FED STOCK POND; SURROUNDED BY RIDGE-TOP GRASSLAND, WITH OAK WOODLAND NEARBY.

General: ABUNDANT NUMBER OF ADULTS AND LARVAE OBSERVED ON 23 MAY 1994. 6 TADPOLES OBSERVED ON 30 JUN 2001.

Owner/Manager: DPR-HENRY W COE SP



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Occurrence No.	174	Map Index: 33446	EO Index: 1258	Element Last Seen:	1994-05-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1994-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1996-08-28
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.07670 / -121.42691		Accuracy:	80 meters	
UTM:	Zone-10 N4104538 E639831		Elevation (ft):	1900	
PLSS:	T10S, R05E, Sec. 09, SE (M)		Acres:	0.0	
Location:	0.65 MILE SW OF WILSON RANCH, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A STOCK POND.				
General:	1+ ADULTS AND 1+ LARVAE OBSERVED ON 25 MAY 1994.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	175	Map Index: 33447	EO Index: 1294	Element Last Seen:	2003-05-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-12
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.08894 / -121.45539		Accuracy:	80 meters	
UTM:	Zone-10 N4105854 E637277		Elevation (ft):	2100	
PLSS:	T10S, R05E, Sec. 06, SE (M)		Acres:	0.0	
Location:	1.2 MILES WSW OF WILSON PEAK, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A STOCK POND IN OAK SAVANNAH.				
General:	1+ ADULTS AND 1+ LARVAE OBSERVED ON 25 MAY 1994. 7 ADULTS AND 1 TADPOLE OBSERVED ON 18 MAY 2003.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	176	Map Index: 33448	EO Index: 1302	Element Last Seen:	1994-05-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1994-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1996-09-10
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.09502 / -121.44851		Accuracy:	80 meters	
UTM:	Zone-10 N4106539 E637878		Elevation (ft):	2500	
PLSS:	T10S, R05E, Sec. 06, NW (M)		Acres:	0.0	
Location:	0.75 MILE WEST OF WILSON PEAK, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A STOCK POND.				
General:	1+ ADULTS AND 1+ JUVENILES OBSERVED ON 25 MAY 1994.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	177	Map Index: 33449	EO Index: 1300	Element Last Seen: 1994-05-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1994-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1996-08-28

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.11454 / -121.45703	Accuracy:	80 meters
UTM:	Zone-10 N4108692 E637085	Elevation (ft):	2000
PLSS:	T09S, R05E, Sec. 32, NW (M)	Acres:	0.0

Location: 1.25 MILES ENE OF GILROY HOT SPRINGS, HENRY W COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF A STOCK POND.

General: 1+ ADULTS AND 1+ JUVENILES OBSERVED ON 25 MAY 1994.

Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	213	Map Index: 36054	EO Index: 31051	Element Last Seen: 1997-03-23
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1997-03-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1998-05-05

Quad Summary: Chittenden (3612185)
County Summary: Santa Clara

Lat/Long:	36.94718 / -121.55657	Accuracy:	specific area
UTM:	Zone-10 N4089986 E628523	Elevation (ft):	170
PLSS:	T11S, R04E, Sec. 29, SW (M)	Acres:	3.0

Location: JUST WEST OF OLD MONTEREY ROAD, 0.3 MILE SSW OF THE HWY 101 INTERSECTION, 4 MILES SOUTH OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF A STOCK POND, SURROUNDED BY GRAZED GRASSLAND, WITH A FEW SCATTERED COAST LIVE OAKS. CALIFORNIA TIGER SALAMANDER ALSO OCCURS AT THIS SITE.

General: 6 JUVENILE FROGS COLLECTED (CAS #MRJ-1241) ON 23 MARCH 1997; 3 ADULT BULLFROGS ALSO OBSERVED. CAS #203719, SVL 64 MM, 26.9 GM.

Owner/Manager: PVT

Occurrence No.	214	Map Index: 36056	EO Index: 31053	Element Last Seen: 1997-03-23
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1997-03-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1997-07-09

Quad Summary: Chittenden (3612185)
County Summary: Santa Clara

Lat/Long:	36.95227 / -121.55894	Accuracy:	80 meters
UTM:	Zone-10 N4090547 E628304	Elevation (ft):	240
PLSS:	T11S, R04E, Sec. 29, NW (M)	Acres:	0.0

Location: 0.4 MILE WEST OF THE INTERSECTION OF HWY 101 AND OLD MONTEREY ROAD, 4 MILES SOUTH OF GILROY.

Detailed Location: POND IS LOCATED ALONG THE STREAM, BELOW THE SPRINGS.

Ecological: HABITAT CONSISTS OF AN ARTIFICIAL POND, LOCATED ON A 40-DEGREE SLOPE, SURROUNDED BY GRAZED GRASSLAND AND SCATTERED ROCK OUTCROPS; SOME WILLOWS AND BUNCH GRASSES GROW ALONG THE CREEK, BUT MANY THISTLES ARE PRESENT DUE TO GRAZING ACTIVITIES.

General: 1 ADULT OBSERVED ON 23 MARCH 1997.

Owner/Manager: PVT



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Occurrence No.	215	Map Index: 36059	EO Index: 31056	Element Last Seen:	1997-05-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1997-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1997-07-09
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.94603 / -121.56687		Accuracy:	80 meters	
UTM:	Zone-10 N4089844 E627607		Elevation (ft):	220	
PLSS:	T11S, R04E, Sec. 30, SE (M)		Acres:	0.0	
Location:	TICK CREEK, 0.65 MILE WEST OF OLD MONTEREY ROAD, 3.5 MILES SOUTH OF GILROY.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND IN THE TICK CREEK DRAINAGE; SURROUNDED BY GRAZED GRASSLAND, WITH COAST LIVE OAKS ON SURROUNDING HILLSIDES.				
General:	3 ADULT FROGS AND 2 LARVAE OBSERVED ON 25 MAY 1997; 1 LARVA COLLECTED (MRJ #1279 / CAS #203261).				
Owner/Manager:	PVT				
Occurrence No.	216	Map Index: 36060	EO Index: 31057	Element Last Seen:	1997-06-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1997-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-09-04
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.95040 / -121.57014		Accuracy:	80 meters	
UTM:	Zone-10 N4090325 E627309		Elevation (ft):	300	
PLSS:	T11S, R04E, Sec. 30, NE (M)		Acres:	0.0	
Location:	TICK CREEK, 0.95 MILE WEST OF THE INTERSECTION OF HWY 101 AND OLD MONTEREY ROAD, 3 MILES SOUTH OF GILROY.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND; SURROUNDED BY GRAZED GRASSLAND WITH SOME COAST LIVE OAK ON HILLSIDES.				
General:	9 ADULT FROGS OBSERVED; 1 LARVA (#MRJ 1287) COLLECTED ON 1 JUN 1997 AND DEPOSITED AT CAS (CAS #203277).				
Owner/Manager:	PVT				
Occurrence No.	224	Map Index: 36467	EO Index: 31464	Element Last Seen:	1989-05-16
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1989-05-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1997-08-20
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82418 / -121.73497		Accuracy:	80 meters	
UTM:	Zone-10 N4076115 E612818		Elevation (ft):	5	
PLSS:	T13S, R02E, Sec. 03 (M)		Acres:	0.0	
Location:	ELKHORN SLOUGH NATIONAL ESTUARINE RESEARCH PRESERVE, N OF RD TO ELKHORN, 0.3 MI E OF RR TRACKS & 0.3 MI W OF ELKHORN RD.				
Detailed Location:	TEMPORARY FRESH WATER POND ACROSS THE ROAD FROM A BRACKISH WATER INLET.				
Ecological:	LOTS OF DEEP CRACKS WITH WATER ABOUT 67 CM DEEP AND SHALLOWER. SURROUNDING VEGETATION: TULE, EUCALYPTUS, WILLOWS, BUNCH GRASS, BLOOMING HEMLOCK, STINGING NETTLE.				
General:	JUVENILES OBSERVED IN CRACKS MANY WITH TAILS BITTEN OFF. 1 ADULT OBSERVED.				
Owner/Manager:	DFG-ELKHORN SLOUGH ER				



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Occurrence No.	232	Map Index: 38088	EO Index: 33095	Element Last Seen:	1997-04-12
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1997-04-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1998-02-10
Quad Summary:	Chittenden (3612185)				
County Summary:	San Benito				
Lat/Long:	36.93949 / -121.50976		Accuracy:	80 meters	
UTM:	Zone-10 N4089197 E632705		Elevation (ft):	140	
PLSS:	T11S, R04E, Sec. 34 (M)		Acres:	0.0	
Location:	RANCHO SAN BENITO, 0.6 MILE SSE OF WHERE HIGHWAY 25 CROSSES THE PAJARO RIVER, 4 MILES SE OF GILROY.				
Detailed Location:	LOCATED IN AN IRRIGATION DITCH BEHIND A BARN.				
Ecological:	HABITAT CONSISTS OF AN ARTIFICIALLY-FILLED IRRIGATION POND; SURROUNDED BY AGRICULTURAL FIELDS.				
General:	7 ADULTS AND 14 TADPOLES OBSERVED BETWEEN 4-12 APRIL 1997.				
Owner/Manager:	PVT-RANCHO SAN BENITO				
Occurrence No.	233	Map Index: 38089	EO Index: 33096	Element Last Seen:	1997-04-12
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1997-04-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1998-02-10
Quad Summary:	Chittenden (3612185)				
County Summary:	San Benito, Santa Clara				
Lat/Long:	36.92256 / -121.53916		Accuracy:	80 meters	
UTM:	Zone-10 N4087278 E630115		Elevation (ft):	115	
PLSS:	T12S, R04E, Sec. 04 (M)		Acres:	0.0	
Location:	PAJARO RIVER, BETWEEN HIGHWAY 101 AND THE HIGHWAY 25 OVERPASS, 5 MILES SOUTH OF GILROY.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF RIPARIAN; SURROUNDED BY AGRICULTURE.				
General:	1 ADULT FROG OBSERVED BETWEEN 4-12 APRIL 1997.				
Owner/Manager:	PVT-RANCHO SAN BENITO				
Occurrence No.	236	Map Index: 38193	EO Index: 33200	Element Last Seen:	1998-01-14
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1998-01-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1998-03-24
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.81567 / -121.44934		Accuracy:	80 meters	
UTM:	Zone-10 N4075546 E638308		Elevation (ft):	400	
PLSS:	T13S, R05E, Sec. 08 (M)		Acres:	0.0	
Location:	JUST SW OF SAN JUSTO RESERVOIR, 3.7 MILES SW OF HOLLISTER.				
Detailed Location:	TOE DRAIN DISCHARGE CHANNEL AT BASE OF DAM. THIS HABITAT IS ABOUT 260-FT LONG AND DRAINS INTO THE RIPARIAN AREA (CREEKBED), DOMINATED BY POISON OAK, COYOTE BUSH, AND WILD ROSE.				
Ecological:	HABITAT CONSISTS OF FRESHWATER WETLAND, DOMINATED BY TYPHA SP.				
General:	FROGS REPORTEDLY NOT PRESENT IN 1995; FIRST SEEN IN SPRING 1996. 25+ ADULTS SEEN 14 JAN 1998. BY 9 FEB 1998, 1/8 (25-30 FEET) OF THE WETLAND HAD SILTED IN FROM TOE DRAINS AND A MUDSLIDE FROM THE ADJACENT HILL.				
Owner/Manager:	USBOR				



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Occurrence No.	241	Map Index: 30795	EO Index: 33241	Element Last Seen:	1989-06-13
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1989-06-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1998-02-25
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82710 / -121.72885		Accuracy:	80 meters	
UTM:	Zone-10 N4076446 E613360		Elevation (ft):	5	
PLSS:	T13S, R02E, Sec. 03 (M)		Acres:	0.0	
Location:	STRAWBERRY ROAD, 0.25 MILE FROM INTERSECTION WITH ELKHORN ROAD, 0.7 MILE ENE OF ELKHORN AT ELKHORN SLOUGH.				
Detailed Location:					
Ecological:	NICE DEEP POND WITH SURROUNDING GRASS, BUSHES. FAIR AMOUNT OF TERRESTRIAL HABITAT AVAILABLE. LOTS OF HYLEA TADPOLES AND AQUATIC INVERTS.				
General:	MANY RED-LEGGED FROG TADPOLES OBSERVED. OWNER KEEPING AREA IN NATURAL STATE, 1989. CALIFORNIA TIGER SALAMANDER FOUND, 1988, MAY BE THE LARVAE SEEN IN 1989.				
Owner/Manager:	PVT				
Occurrence No.	298	Map Index: 41102	EO Index: 41102	Element Last Seen:	2017-07-21
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-07-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-01-18
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.78164 / -121.69509		Accuracy:	specific area	
UTM:	Zone-10 N4071444 E616440		Elevation (ft):	206	
PLSS:	T13S, R02E, Sec. 24, SE (M)		Acres:	25.0	
Location:	FROM BLACKIE RD TO THE N SIDE OF HWY 156, ABOUT 0.3 MI NE TO 0.6 MI SE OF HWY 156 AT OAK HILLS DR, NE OF CASTROVILLE.				
Detailed Location:	NW-MOST POLYGON MAPPED TO 1999 DETECTION. MIDDLE POLYGON MAPPED TO 2006 & 2013 DETECTIONS & 2017 RELEASE SITE. SE-MOST TWO POLYGONS MAPPED TO 2013 DETECTIONS. SW-MOST POLYGON MAPPED TO 2017 CAPTURE SITE.				
Ecological:	AGRICULTURAL PONDS W/EMERGENT & BANK VEGETATION INCL. SCIRPUS, CYPERUS ESCULENTUS, POLYGONUM SP, CORTADERIA SELLOANA, BACCHARIS PILULARIS. SURROUNDED BY FIELD CROPS. 2017: FOUND IN EROSION CHANNEL AT CONSTRUCTION SITE, RELOCATED TO POND.				
General:	1 ADULT & 1 JUVENILE DETECTED ON 10 MAY 1999. AQUATIC SURVEYS CONDUCTED 17 APR-31 MAY 2006; 2 LARVAE & 2 ADULTS CAPTURED (LOW #S CONSIDERING THE SAMPLING EFFORT). 6 JUVENILES OBSERVED APR-MAY 2013. 1 ADULT CAUGHT & RELEASED 21 JUL 2017.				
Owner/Manager:	UNKNOWN, PVT				



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Occurrence No.	348	Map Index: 42328	EO Index: 42328	Element Last Seen:	1998-04-30
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	1998-04-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-02-02

Quad Summary: Watsonville East (3612186)
County Summary: Santa Clara

Lat/Long:	36.97488 / -121.66666	Accuracy:	80 meters
UTM:	Zone-10 N4092916 E618677	Elevation (ft):	1120
PLSS:	T11S, R03E, Sec. 17 (M)	Acres:	0.0

Location: 1.7 MILES SE OF THE INTERSECTION OF BODFISH CREEK AND HIGHWAY 152, IN THE SANTA CRUZ MOUNTAINS.
Detailed Location:
Ecological: HABITAT CONSISTS OF A MAN-MADE POND IN A GRASSLAND / SHRUB OPENING, SURROUNDED BY REDWOOD / MIXED EVERGREEN FOREST (IN TIMBER PRODUCTION). POND HAS A LARGE BREEDING POPULATION OF BULLFROGS.
General: 3 ADULTS OBSERVED ON 30 APR 1998. CAS #210380.
Owner/Manager: PVT

Occurrence No.	349	Map Index: 42473	EO Index: 42473	Element Last Seen:	1999-05-07
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1999-05-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-02-29

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.82064 / -121.47093	Accuracy:	80 meters
UTM:	Zone-10 N4076066 E636373	Elevation (ft):	300
PLSS:	T13S, R05E, Sec. 07 (M)	Acres:	0.0

Location: 1.5 MILES SOUTH OF THE INTERSECTION OF FLINT ROAD AND HIGHWAY 156, SAN JUAN OAKS GOLF COURSE.
Detailed Location:
Ecological: HABITAT CONSISTS OF AN ARTIFICIALLY-CREATED POND AT THE EDGE OF A GOLF COURSE (NOT PART OF THE GOLF COURSE LAYOUT). SURROUNDED BY GOLF COURSE, AGRICULTURE, AND CATTLE GRAZING.
General: AN UNKNOWN NUMBER OF ADULTS (NO LARVAE) WERE OBSERVED ON 7 MAY 1999, DURING LARVAL SAMPLING FOR CALIFORNIA TIGER SALAMANDER.
Owner/Manager: PVT-SAN JUAN OAKS GOLF COURSE



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Occurrence No.	350	Map Index: 42474	EO Index: 42474	Element Last Seen:	1999-05-07
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1999-05-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-02-29
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.81715 / -121.45526		Accuracy:	80 meters	
UTM:	Zone-10 N4075701 E637777		Elevation (ft):	300	
PLSS:	T13S, R05E, Sec. 07 (M)		Acres:	0.0	
Location:	1.9 MILES SSE OF THE INTERSECTION OF FLINT ROAD AND HIGHWAY 156, SAN JUAN OAKS GOLF COURSE.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF AN ARTIFICIALLY-CREATED POND AT THE EDGE OF A GOLF COURSE (NOT PART OF THE GOLF COURSE LAYOUT), WITHIN SYCAMORE RIPARIAN. SURROUNDED BY GOLF COURSE, AGRICULTURE, AND CATTLE GRAZING.				
General:	AN UNKNOWN NUMBER OF ADULTS (NO LARVAE) WERE OBSERVED ON 7 MAY 1999, DURING LARVAL SAMPLING FOR CALIFORNIA TIGER SALAMANDER.				
Owner/Manager:	PVT-SAN JUAN OAKS GOLF COURSE				
Occurrence No.	351	Map Index: 42476	EO Index: 42476	Element Last Seen:	1999-05-07
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1999-05-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-02-29
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.81392 / -121.46057		Accuracy:	specific area	
UTM:	Zone-10 N4075335 E637310		Elevation (ft):	300	
PLSS:	T13S, R05E, Sec. 07 (M)		Acres:	18.5	
Location:	2 MILES SSE OF THE INTERSECTION OF FLINT ROAD AND HIGHWAY 156, SAN JUAN OAKS GOLF COURSE.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF 2 ARTIFICIALLY-CREATED PONDS IN A DRAINAGE AT THE EDGE OF A GOLF COURSE (NOT PART OF THE GOLF COURSE LAYOUT), WITHIN SYCAMORE ALLUVIAL WOODLAND. SURROUNDED BY GOLF COURSE, AGRICULTURE, AND CATTLE GRAZING.				
General:	AN UNKNOWN NUMBER OF ADULTS (NO LARVAE) WERE OBSERVED ON 7 MAY 1999, DURING LARVAL SAMPLING FOR CALIFORNIA TIGER SALAMANDER.				
Owner/Manager:	PVT-SAN JUAN OAKS GOLF COURSE				



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Occurrence No.	352	Map Index: 42480	EO Index: 42480	Element Last Seen:	2001-03-04
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2003-11-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-11-09
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.99028 / -121.39607		Accuracy:	specific area	
UTM:	Zone-10 N4094996 E642734		Elevation (ft):	540	
PLSS:	T11S, R05E, Sec. 11 (M)		Acres:	13.6	
Location:	0.7 MILE WEST OF HIGHWAY 152, 3.5 MILES EAST OF SAN FELIPE LAKE, 8.5 MILES NORTH OF HOLLISTER.				
Detailed Location:	PITFALL TRAPS ARE LOCATED ABOUT 500 FEET AWAY FROM THE PONDS.				
Ecological:	HABITAT CONSISTS OF TWO ARTIFICIALLY-BERMED, PERENNIAL PONDS, WITHIN AN INTERMITTENT DRAINAGE; SCIRPUS AND TYPHA AROUND THE MARGINS. ADJACENT UPLAND HABITAT IS GRAZED GRASSLAND AND OPEN OAK WOODLAND. CTS ALSO FOUND AT THIS SITE.				
General:	2 ADULTS HEARD CHORUSING 18 JAN 1999. 16 FEB 1999: 2 CHORUSING FROGS OBSV'D AT ONE POND & 3 FROGS AT OTHER. 1 ADULT/2 JUV CAPTURED 17 JAN 2001 IN PITFALL TRAPS. 1 SUBADULT CAPTURED IN PITFALL TRAP 4 MAR 2001. SPECIES NOT CAPTURED NOV 2003.				
Owner/Manager:	PVT-BOURDET RANCH				
Occurrence No.	408	Map Index: 44151	EO Index: 44151	Element Last Seen:	2000-05-22
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2000-05-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-10-26
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.07137 / -121.72589		Accuracy:	80 meters	
UTM:	Zone-10 N4103548 E613261		Elevation (ft):	550	
PLSS:	T10S, R02E, Sec. 11, SW (M)		Acres:	0.0	
Location:	EASTMAN CANYON (CREEK), 1 MILE EAST OF UVAS RESERVOIR, SW OF MORGAN HILL.				
Detailed Location:	SITE IS LOCATED AT THE SECOND UNNAMED TRIBUTARY WEST OF UVAS RESERVOIR.				
Ecological:	HABITAT CONSISTS OF RIPARIAN ASSOCIATED WITH THE CREEK IN EASTMAN CANYON.				
General:	1 JUVENILE OBSERVED ON 22 MAY 2000.				
Owner/Manager:	PVT				



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Occurrence No.	433	Map Index: 45341	EO Index: 45341	Element Last Seen:	2001-03-03
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-03-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2001-05-14

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.81954 / -121.49887	Accuracy:	80 meters
UTM:	Zone-10 N4075904 E633883	Elevation (ft):	400
PLSS:	T13S, R04E, Sec. 11 (M)	Acres:	0.0

Location: POND AT ST FRANCIS RETREAT CENTER, 2.5 MILES SE OF SAN JUAN BAUTISTA.

Detailed Location:

Ecological: HABITAT CONSISTS OF A PERMANENT SAG POND, VEGETATED BY POCKETS OF SCIRPUS. THIS POND WENT DRY SEVERAL YEARS AGO, ELIMINATING THE FISH THAT INHABITED THE POND; REINTRODUCTION IS A POSSIBILITY.

General: SEVERAL MALES HEARD CALLING; 2 ADULTS AND 3 JUVENILES OBSERVED, ON 3 MAR 2001.

Owner/Manager: PVT-ST FRANCIS RETREAT CENTER

Occurrence No.	435	Map Index: 45422	EO Index: 45422	Element Last Seen:	2010-05-13
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2010-05-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-10

Quad Summary: Gilroy (3712115)
County Summary: Santa Clara

Lat/Long:	37.11328 / -121.591	Accuracy:	specific area
UTM:	Zone-10 N4108368 E625185	Elevation (ft):	351
PLSS:	T09S, R03E, Sec. 36, NE (M)	Acres:	46.0

Location: VICINITY OF INSTITUTE GOLF COURSE, MORGAN HILL.

Detailed Location: FROGS THOUGHT TO BE DISPERSING FROM THE UNNAMED TRIBUTARY TO CORRALITOS CREEK ON THE EAST SIDE OF THE GOLF COURSE, TO THE GOLF COURSE PONDS. INCLUDES SITES IGC-A, IGC-C, IGC-E, IGC-F, IGC-G & IGC-S.

Ecological: 2001: ADULTS OBSERVED IN CREEK CONTAINING INTERMITTENT POOLS, SURROUNDED BY WELL-VEGETATED RIPARIAN. OTHER DETECTIONS IN PONDS ON GOLF COURSE (CONVERTED FROM ORIGINAL OAK WOODLAND HABITAT).

General: 7 ADULTS & 1 LARVA OBSERVED ON 24 APR 2001. 1 JUVENILE OBSERVED ON 19 SEP 2001. LARVAE DETECTED AT 4 SITES DURING AQUATIC AND VISUAL SURVEYS IN MAY 2006. DETECTED AT 6 SITES, 18 MAY 2009 AND 13 MAY 2010.

Owner/Manager: PVT



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Occurrence No.	460	Map Index: 45980	EO Index: 45980	Element Last Seen:	1993-04-05
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-10-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-11-02
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.02964 / -121.69019		Accuracy:	non-specific area	
UTM:	Zone-10 N4098962 E616498		Elevation (ft):	400	
PLSS:	T10S, R03E, Sec. 30 (M)		Acres:	49.3	
Location:	LITTLE ARTHUR CREEK, 2 MILES ABOVE MOUTH, 2.3 MILES SOUTH OF UVAS RESERVOIR AND NORTH OF MT MADONNA COUNTY PARK.				
Detailed Location:	LOCATED 2 ROAD MILES (ALONG REDWOOD RETREAT ROAD) FROM INTERSECTION OF REDWOOD RETREAT ROAD & WATSONVILLE ROAD. SPECIES HAS BEEN DETECTED IN LITTLE ARTHUR CREEK SINCE 1991 AND ALSO AT OTHER TIMES JUST UPSTREAM OF PROPOSED BRIDGE (NO DATE).				
Ecological:	HABITAT CONSISTS OF A PERENNIAL STREAM SURROUNDED BY NON-NATIVE GRASSLAND, SEASONAL WETLANDS, MIXED-OAK WOODLAND, MIXED RIPARIAN WOODLAND, AND BLUE OAK WOODLAND.				
General:	SPECIES PRESENT DURING 1991 SURVEY. 1 FEMALE SUBADULT COLLECTED (CAS #197580) BY M.R. JENNINGS ON 05 APR 1993. SVL 80 MM, 58.5 GM. CREEK WAS DRY DURING OCTOBER 2001 SURVEY; SPECIES CONSIDERED PRESENT.				
Owner/Manager:	UNKNOWN				
Occurrence No.	465	Map Index: 46007	EO Index: 46007	Element Last Seen:	2001-09-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-09-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-04-15
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.85189 / -121.43051		Accuracy:	80 meters	
UTM:	Zone-10 N4079591 E639922		Elevation (ft):	253	
PLSS:	T12S, R05E, Sec. 33 (M)		Acres:	0.0	
Location:	SAN BENITO RIVER, ABOUT 20 METERS DOWNSTREAM OF SAN JUAN HOLLISTER BRIDGE, HOLLISTER.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POOLED AREA WITHIN SAN BENITO RIVER; SURROUNDED BY WILLOWS AND CATTAILS. THE RIVERBED FORMS A WIDE, SANDY FLOODPLAIN THAT IS MOSTLY DRY AND DOMINATED BY M. ALBA & B. VIMINEA.				
General:	1 ADULT AND 1 JUVENILE WERE OBSERVED ON 11 OCT 2000. 1 JUVENILE OBSERVED ON 21 SEP 2001.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	466	Map Index:	46046	EO Index:	46046	Element Last Seen:	2000-06-XX
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2000-06-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-10-05	
Quad Summary:	Gilroy Hot Springs (3712114)						
County Summary:	Santa Clara						
Lat/Long:	37.09114 / -121.48318			Accuracy:	non-specific area		
UTM:	Zone-10 N4106059 E634804			Elevation (ft):	2000		
PLSS:	T10S, R04E, Sec. 01 (M)			Acres:	577.2		
Location:	ALONG PALASSOU RIDGE; 0.4 MILE SSW OF GILROY.						
Detailed Location:	ALONG UNIMPROVED ROAD LOCATED 1.3 MILES WEST OF INTERSECTION OF GILROY HOT SPRINGS ROAD AND CANADA ROAD. ABOUT 0.9 MILE TO 2.4 MILES (ALONG UNIMPROVED ROAD) NORTH OF GILROY HOT SPRINGS ROAD.						
Ecological:	HABITAT CONSISTS OF STOCKPONDS SURROUNDED BY (PREVIOUSLY HEAVILY GRAZED) OAK WOODLAND OR OAK SAVANNAH.						
General:	HUNDREDS OF ADULTS AND HUNDREDS OF JUVENILES OBSERVED.						
Owner/Manager:	DPR						

Occurrence No.	483	Map Index:	47083	EO Index:	47083	Element Last Seen:	2001-02-02
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2001-02-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-06-24	
Quad Summary:	Chittenden (3612185)						
County Summary:	San Benito						
Lat/Long:	36.88565 / -121.54212			Accuracy:	80 meters		
UTM:	Zone-10 N4083179 E629914			Elevation (ft):	250		
PLSS:	T12S, R04E, Sec. 16, SW (M)			Acres:	0.0		
Location:	ABOUT 1.6 MILES NORTH OF THE INTERSECTION OF SAN JUSTO ROAD AND PRESCOTT ROAD, JUST NORTH OF SAN JUAN VALLEY.						
Detailed Location:							
Ecological:	HABITAT CONSISTED OF A PERENNIAL STOCKPOND, WITH TULE AND WILLOWS AROUND THE EDGES; LOCATED WITHIN A SEASONAL ARROYO THAT DRAINS TO THE SAN BENITO RIVER. POND WAS SURROUNDED BY OAK WOODLAND / GRASSLAND.						
General:	1 SUBADULT OBSERVED ON 2 FEB 2001.						
Owner/Manager:	PVT						



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Occurrence No.	484	Map Index: 47084	EO Index: 47084	Element Last Seen:	2001-02-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-06-24
Quad Summary:	Chittenden (3612185)				
County Summary:	San Benito				
Lat/Long:	36.88566 / -121.52930		Accuracy:	80 meters	
UTM:	Zone-10 N4083198 E631056		Elevation (ft):	325	
PLSS:	T12S, R04E, Sec. 16, SE (M)		Acres:	0.0	
Location:	1.7 MILES NNE OF THE INTERSECTION OF SAN JUSTO ROAD AND PRESCOTT ROAD, JUST NORTH OF SAN JUAN VALLEY.				
Detailed Location:					
Ecological:	HABITAT CONSISTED OF A PERENNIAL STOCKPOND, WITH TULE AND WILLOWS AROUND THE EDGES; LOCATED WITHIN A SEASONAL ARROYO THAT DRAINS TO THE SAN BENITO RIVER. POND WAS SURROUNDED BY OAK WOODLAND / GRASSLAND.				
General:	1 ADULT OBSERVED ON 1 FEB 2001.				
Owner/Manager:	PVT				
Occurrence No.	506	Map Index: 47468	EO Index: 47468	Element Last Seen:	1990-02-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1990-02-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-25
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.78330 / -121.72335		Accuracy:	80 meters	
UTM:	Zone-10 N4071593 E613915		Elevation (ft):	10	
PLSS:	T13S, R02E, Sec. 23 (M)		Acres:	0.0	
Location:	UPPER MORO COJO SLOUGH, SE OF CASTROVILLE BLVD, NW OF HIGHWAY 156 AND SOUTH OF MERIDIAN ROAD.				
Detailed Location:					
Ecological:					
General:	1 ADULT FROG OBSERVED NEAR THE EDGE OF THE POND. TWO DOR FROGS FOUND 25 NOV 1989 SOMEWHERE ON MERIDIAN ROAD.				
Owner/Manager:	PVT				
Occurrence No.	548	Map Index: 44343	EO Index: 48705	Element Last Seen:	1991-02-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-02-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-08-30
Quad Summary:	Mt. Madonna (3712116), Morgan Hill (3712126)				
County Summary:	Santa Clara				
Lat/Long:	37.12260 / -121.70703		Accuracy:	non-specific area	
UTM:	Zone-10 N4109255 E614861		Elevation (ft):	525	
PLSS:	T09S, R02E, Sec. 25 (M)		Acres:	214.2	
Location:	CHESBRO RESERVOIR, APPROXIMATELY 3 MILES WEST OF MORGAN HILL.				
Detailed Location:	MAPPED TO THE RESERVOIR, MORE SPECIFIC DETAILS NOT GIVEN.				
Ecological:					
General:	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 23 FEB 1991.				
Owner/Manager:	SCL COUNTY				



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Occurrence No.	590	Map Index: 49780	EO Index: 49780	Element Last Seen:	2005-08-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-08-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-03-26

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.09027 / -121.49638	Accuracy:	80 meters
UTM:	Zone-10 N4105944 E633631	Elevation (ft):	1600
PLSS:	T10S, R04E, Sec. 02 (M)	Acres:	0.0

Location: MIDDLE RIDGE POND, PALASSOU RIDGE NATURAL AREA.
Detailed Location: MANMADE POND FORMED BY CONSTRUCTION OF A DAM.
Ecological: HABITAT CONSISTS OF A STOCK POND CONTAINING FILAMENTOUS ALGAE; SURROUNDED BY OAK WOODLAND AND NON-NATIVE GRASSLAND.
General: SURVEYS RUN 23 MAY & 24 JUL 2002; 22 ADS/10 JUVS/84 LARVAE OBS. 1 AD/1 MM/4 LARVAE OBS 18 JUN 2003; 9 ADS/2 MM'S OBS 4 SEP 2003. 2 JUVS/92 LARVAE OBS 21 JUN; 9 ADS/2 JUVS OBS 17 AUG 2004. 15 LARVAE OBS 22 JUN; 4 JUVS/1 LARVA OBS 26 AUG '05.
Owner/Manager: SCL COUNTY

Occurrence No.	591	Map Index: 49782	EO Index: 49782	Element Last Seen:	2002-05-15
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-08-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-01-06

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.08472 / -121.48365	Accuracy:	80 meters
UTM:	Zone-10 N4105346 E634773	Elevation (ft):	1800
PLSS:	T10S, R04E, Sec. 12, NW (M)	Acres:	0.0

Location: HOLDING FLAT LAKE, PALASSOU RIDGE NATURAL AREA, 2.4 MILES EAST OF COYOTE LAKE.
Detailed Location:
Ecological: HABITAT CONSISTS OF A STOCK POND SURROUNDED BY OAK WOODLAND AND NON-NATIVE GRASSLAND.
General: SURVEYS CONDUCTED ON 8 AND 15 MAY, 22 JUL, AND 2 AUG 2002; 4 TADPOLES OBSERVED ON 15 MAY 2002.
Owner/Manager: SCL COUNTY



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Occurrence No.	592	Map Index: 49783	EO Index: 49783	Element Last Seen:	2005-08-23
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-08-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-03-26

Quad Summary: Gilroy (3712115)
County Summary: Santa Clara

Lat/Long:	37.09938 / -121.52306	Accuracy:	80 meters
UTM:	Zone-10 N4106917 E631244	Elevation (ft):	1990
PLSS:	T10S, R04E, Sec. 03, NW (M)	Acres:	0.0

Location: LOWER TWIN LAKE, PALASSOU RIDGE NATURAL AREA, 0.9 MILE EAST OF COYOTE LAKE.
Detailed Location: POND IS LOCATED IN THE UPPER WATERSHED; DRAINAGE FLOWS WEST TO COYOTE RESERVOIR. POND IS FED BY AN UNKNOWN SPRING.
Ecological: HABITAT CONSISTS OF A STOCK POND SURROUNDED BY OAK WOODLAND AND GRAZED NON-NATIVE GRASSLAND. POND IS FED BY AN UNKNOWN SPRING.
General: SURVEYS RUN IN MAY, JUL, DEC 2002; 5 ADS/60 JUVS/578 LARVAE OBS. 10 LARVAE OBS 10 JUN 2003; 23 ADS/1 MM/10 LARVAE OBS, 27 AUG 2003. 5 JUVS/6 LARVAE OBS 21 JUN; 6 ADS/14 JUVS OBS 17 AUG 2004. 6 LARVAE OBS 16 JUN; 1 TADPOLE OBS 23 AUG 2005.
Owner/Manager: SCL COUNTY

Occurrence No.	593	Map Index: 48968	EO Index: 49784	Element Last Seen:	2002-05-14
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-07-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-01-06

Quad Summary: Gilroy (3712115)
County Summary: Santa Clara

Lat/Long:	37.09934 / -121.52056	Accuracy:	80 meters
UTM:	Zone-10 N4106916 E631467	Elevation (ft):	2030
PLSS:	T10S, R04E, Sec. 03, NW (M)	Acres:	0.0

Location: UPPER TWIN LAKE, PALASSOU RIDGE NATURAL AREA, 1 MILE EAST OF COYOTE LAKE.
Detailed Location:
Ecological: HABITAT CONSISTS OF A STOCK POND SURROUNDED BY OAK WOODLAND AND NON-NATIVE GRASSLAND.
General: SURVEYS CONDUCTED ON 14 MAY AND 22 JUL 2002; 26 TADPOLES OBSERVED ON 14 MAY 2002.
Owner/Manager: SCL COUNTY



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Occurrence No.	619	Map Index: 50233	EO Index: 50233	Element Last Seen:	2002-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-06-11
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Cruz				
Lat/Long:	36.91147 / -121.60714		Accuracy:	80 meters	
UTM:	Zone-10 N4085957 E624078		Elevation (ft):	250	
PLSS:	T12S, R03E, Sec. 02 (M)		Acres:	0.0	
Location:	JUST NORTH OF SODA LAKE, 1 MILE EAST OF PAJARO GAP, 7 MILES SOUTH OF GILROY.				
Detailed Location:	DESIGNATED "POND A." NEARBY SODA LAKE IS A SEDIMENT BASIN FOR THE ADJACENT QUARRY; BASIN ATTRACTS FROGS, BUT IS NOT USED FOR BREEDING.				
Ecological:	HABITAT CONSISTS OF A SMALL BREEDING POND; SURROUNDING VEGETATION CONSISTS OF WILLOWS.				
General:	1-2 FROGS OBSERVED EACH NIGHT DURING SURVEYS CONDUCTED IN LATE MAY-LATE JUN 1998. ABOUT 50 ADULT FROGS OBSERVED IN 2002.				
Owner/Manager:	PVT-GRANITE ROCK				
Occurrence No.	650	Map Index: 51517	EO Index: 51517	Element Last Seen:	1998-06-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1998-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-06-11
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Cruz				
Lat/Long:	36.91336 / -121.61687		Accuracy:	80 meters	
UTM:	Zone-10 N4086154 E623208		Elevation (ft):	286	
PLSS:	T12S, R03E, Sec. 02 (M)		Acres:	0.0	
Location:	0.5 MILE NW OF SODA LAKE AND 0.5 MILE EAST OF PAJARO GAP, 7 MILES SOUTH OF GILROY.				
Detailed Location:	DESIGNATED "POND B."				
Ecological:	HABITAT CONSISTS OF A MEDIUM-SIZED POND WITH DENSE BULRUSH AND AQUATIC VEGETATION.				
General:	1 ADULT FROG OBSERVED ON 26 JUN 1998.				
Owner/Manager:	PVT-GRANITE ROCK				
Occurrence No.	651	Map Index: 51518	EO Index: 51518	Element Last Seen:	1998-06-26
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1998-06-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-06-11
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Cruz				
Lat/Long:	36.90607 / -121.60802		Accuracy:	specific area	
UTM:	Zone-10 N4085357 E624008		Elevation (ft):	260	
PLSS:	T12S, R03E, Sec. 11 (M)		Acres:	10.4	
Location:	SOUTH END OF SODA LAKE, 1 MILE SE OF PAJARO GAP, 7 MILES SOUTH OF GILROY.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A 45-ACRE LAKE CONTAINED BY A LEVEE, WITH A MIXTURE OF BARE, DISTURBED AREAS, OPEN WATER, FRESHWATER MARSH, AND WILLOW RIPARIAN.				
General:	2 ADULT FROGS OBSERVED ON 26 JUN 1998.				
Owner/Manager:	PVT-GRANITE ROCK				



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Occurrence No.	654	Map Index: 51815	EO Index: 51815	Element Last Seen:	2003-05-14
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2003-05-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-07-17

Quad Summary: Watsonville East (3612186)
County Summary: San Benito, Santa Cruz

Lat/Long:	36.91274 / -121.62822	Accuracy:	80 meters
UTM:	Zone-10 N4086071 E622197	Elevation (ft):	100
PLSS:	T12S, R03E, Sec. 03 (M)	Acres:	0.0

Location: PAJARO GAP, ON THE NORTH SIDE OF HIGHWAY 129, 1 MILE WEST OF SODA LAKE.
Detailed Location:
Ecological: HABITAT CONSISTS OF A ROADSIDE DRAINAGE DITCH WITH STANDING WATER AND TYPHA SP; SURROUNDED BY TRAFFIC AND HIGHWAY CONSTRUCTION.
General: 2 ADULTS OBSERVED ON 14 MAY 2003.
Owner/Manager: CALTRANS

Occurrence No.	678	Map Index: 53839	EO Index: 53839	Element Last Seen:	2001-07-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-07-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-08

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.07957 / -121.42587	Accuracy:	80 meters
UTM:	Zone-10 N4104858 E639918	Elevation (ft):	1950
PLSS:	T10S, R05E, Sec. 09, SE (M)	Acres:	0.0

Location: 0.5 MILE WSW OF WILSON RANCH, HENRY W COE STATE PARK.
Detailed Location:
Ecological: HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.
General: 25 ADULTS AND 4 TADPOLES OBSERVED ON 7 JUL 2001.
Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	679	Map Index: 53843	EO Index: 53843	Element Last Seen:	2001-06-02
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-08

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.07976 / -121.40093	Accuracy:	80 meters
UTM:	Zone-10 N4104917 E642135	Elevation (ft):	2040
PLSS:	T10S, R05E, Sec. 11, NW (M)	Acres:	0.0

Location: JUST SOUTH OF VASQUEZ PEAK, HENRY W COE STATE PARK.
Detailed Location:
Ecological: HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.
General: 15 TADPOLES OBSERVED ON 2 JUN 2001.
Owner/Manager: DPR-HENRY W COE SP



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Occurrence No.	680	Map Index: 53844	EO Index: 53844	Element Last Seen:	2001-06-02
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-08
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.08251 / -121.39810		Accuracy:	80 meters	
UTM:	Zone-10 N4105226 E642381		Elevation (ft):	1970	
PLSS:	T10S, R05E, Sec. 11, NW (M)		Acres:	0.0	
Location:	BETWEEN ROCK SPRINGS PEAK AND VASQUEZ PEAK, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK WOODLAND.				
General:	12 ADULTS AND 12+ TADPOLES OBSERVED ON 2 JUN 2001.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	681	Map Index: 53845	EO Index: 53845	Element Last Seen:	2001-05-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-05-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-08
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.11128 / -121.44055		Accuracy:	80 meters	
UTM:	Zone-10 N4108355 E638555		Elevation (ft):	2050	
PLSS:	T09S, R05E, Sec. 33, NW (M)		Acres:	0.0	
Location:	1 MILE NORTH OF WILSON PEAK, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.				
General:	5 ADULTS AND SOME TADPOLES OBSERVED ON 5 MAY 2001.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	682	Map Index: 53846	EO Index: 53846	Element Last Seen:	2001-05-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-05-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-08
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.11070 / -121.44260		Accuracy:	80 meters	
UTM:	Zone-10 N4108288 E638374		Elevation (ft):	2050	
PLSS:	T09S, R05E, Sec. 33, NW (M)		Acres:	0.0	
Location:	1 MILE NNW OF WILSON PEAK, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.				
General:	8 ADULTS AND SOME TADPOLES OBSERVED ON 5 MAY 2001.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	683	Map Index: 53848	EO Index: 53848	Element Last Seen:	2001-05-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-05-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-08
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.11635 / -121.45761		Accuracy:	80 meters	
UTM:	Zone-10 N4108893 E637030		Elevation (ft):	2000	
PLSS:	T09S, R05E, Sec. 32, NW (M)		Acres:	0.0	
Location:	1.3 MILES NE OF GILROY HOT SPRINGS, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK WOODLAND / SAVANNAH.				
General:	8 ADULTS AND SOME TADPOLES OBSERVED ON 5 MAY 2001.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	684	Map Index: 53850	EO Index: 53850	Element Last Seen:	2001-04-29
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-04-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-08
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.10412 / -121.39967		Accuracy:	80 meters	
UTM:	Zone-10 N4107621 E642201		Elevation (ft):	1700	
PLSS:	T09S, R05E, Sec. 35, SW (M)		Acres:	0.0	
Location:	0.5 MILE SOUTH OF CENTER FLATS, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK WOODLAND.				
General:	10 ADULTS OBSERVED ON 29 APR 2001.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	685	Map Index: 53852	EO Index: 53852	Element Last Seen:	2001-04-28
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-04-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-06-25
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.11882 / -121.44538		Accuracy:	specific area	
UTM:	Zone-10 N4109185 E638113		Elevation (ft):	2240	
PLSS:	T09S, R05E, Sec. 29, SE (M)		Acres:	10.0	
Location:	1 MILE WEST OF KELLY CABIN CANYON, HENRY W COE STATE PARK.				
Detailed Location:	1985 LOCATION GIVEN AS "SMALL POND ON HENRY COE STATE PARK [T9S R5E SE1/4 SEC 29]," ATTRIBUTED HERE. MAPPED TO COORDINATES GIVEN FOR 2001 DETECTIONS.				
Ecological:	HABITAT CONSISTED OF PONDS SURROUNDED BY OAK WOODLAND / SAVANNA.				
General:	DETECTED ON 28 SEP 1985. 4 ADULTS AND 10+ TADPOLES OBSERVED IN NW POND & 5 ADULTS IN SE POND ON 28 APR 2001.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	687	Map Index: 53855	EO Index: 53855	Element Last Seen:	2003-07-06
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2003-07-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-04

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.12313 / -121.46365	Accuracy:	80 meters
UTM:	Zone-10 N4109636 E636482	Elevation (ft):	2300
PLSS:	T09S, R05E, Sec. 30, NE (M)	Acres:	0.0

Location: 1.3 MILES NE OF GILROY HOT SPRINGS, HENRY W COE STATE PARK.
Detailed Location: 1986 LOCATION GIVEN AS "SMALL POND ON HENRY COE STATE PARK [T9S R5E SE1/4 SEC 30]," ATTRIBUTED HERE. MAPPED TO COORDINATES GIVEN FOR 2003 DETECTION.
Ecological: HABITAT CONSISTED OF A POND SURROUNDED BY OAK WOODLAND.
General: DETECTED ON 28 SEP 1986. 2 ADULTS OBSERVED ON 6 JUL 2003.
Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	689	Map Index: 53880	EO Index: 53880	Element Last Seen:	2003-05-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-12

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.04679 / -121.44061	Accuracy:	80 meters
UTM:	Zone-10 N4101200 E638667	Elevation (ft):	1900
PLSS:	T10S, R05E, Sec. 20, SE (M)	Acres:	0.0

Location: NW EDGE OF BILLS HILL, HENRY W COE STATE PARK.
Detailed Location:
Ecological: HABITAT CONSISTS OF A POND SURROUNDED BY RIDGETOP GRASSLAND / OAK WOODLAND.
General: 2 ADULTS OBSERVED ON 25 MAY 2003.
Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	690	Map Index: 53881	EO Index: 53881	Element Last Seen:	2003-05-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-12

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.09318 / -121.43938	Accuracy:	80 meters
UTM:	Zone-10 N4106348 E638692	Elevation (ft):	2400
PLSS:	T10S, R05E, Sec. 05, SE (M)	Acres:	0.0

Location: SW OF WILSON PEAK, HENRY W COE STATE PARK.
Detailed Location:
Ecological: HABITAT CONSISTS OF A POND SURROUNDED BY GRASSLAND / OAK SAVANNAH.
General: 10 ADULTS AND 4 TADPOLES OBSERVED ON 18 MAY 2003.
Owner/Manager: DPR-HENRY W COE SP



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Occurrence No.	691	Map Index: 53883	EO Index: 53883	Element Last Seen:	2003-05-03
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-12
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.08179 / -121.42565		Accuracy:	80 meters	
UTM:	Zone-10 N4105105 E639933		Elevation (ft):	2150	
PLSS:	T10S, R05E, Sec. 09, NE (M)		Acres:	0.0	
Location:	0.5 MILE WEST OF WILSON RANCH, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.				
General:	2 ADULTS AND 3 TADPOLES OBSERVED ON 3 MAY 2003.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	692	Map Index: 53885	EO Index: 53885	Element Last Seen:	2003-04-06
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-04-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-12
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.07982 / -121.40718		Accuracy:	80 meters	
UTM:	Zone-10 N4104914 E641579		Elevation (ft):	1750	
PLSS:	T10S, R05E, Sec. 10, NE (M)		Acres:	0.0	
Location:	0.5 MILE EAST OF WILSON RANCH, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK SAVANNAH.				
General:	1 ADULT OBSERVED ON 6 APR 2003.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	694	Map Index: 53968	EO Index: 53968	Element Last Seen:	2003-05-06
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-20
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.09569 / -121.43786		Accuracy:	80 meters	
UTM:	Zone-10 N4106629 E638822		Elevation (ft):	2420	
PLSS:	T10S, R05E, Sec. 04, NW (M)		Acres:	0.0	
Location:	WEST SIDE OF WILSON PEAK, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK WOODLAND / SAVANNAH.				
General:	4 ADULTS AND SEVERAL TADPOLES OBSERVED ON 6 MAY 2003.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	695	Map Index:	53969	EO Index:	53969	Element Last Seen:	2003-05-06
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2003-05-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-01-20	

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.09227 / -121.41764	Accuracy:	80 meters
UTM:	Zone-10 N4106279 E640626	Elevation (ft):	2060
PLSS:	T10S, R05E, Sec. 03, SW (M)	Acres:	0.0

Location: 1 MILE EAST OF WILSON PEAK, HENRY W COE STATE PARK.
Detailed Location:
Ecological: HABITAT CONSISTS OF A POND SURROUNDED BY OAK WOODLAND / SAVANNAH.
General: 6 ADULTS AND 30+ TADPOLES OBSERVED ON 6 MAY 2003.
Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	747	Map Index:	55855	EO Index:	55871	Element Last Seen:	2004-06-12
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2004-06-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-06-22	

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.08154 / -121.49176	Accuracy:	specific area
UTM:	Zone-10 N4104982 E634057	Elevation (ft):	870
PLSS:	T10S, R04E, Sec. 11, NE (M)	Acres:	15.5

Location: DEXTER CANYON CREEK, TRIBUTARY TO UPPER COYOTE CREEK, 1.75 MILES EAST OF THE SOUTH END OF COYOTE LAKE.
Detailed Location:
Ecological: HABITAT CONSISTS OF A STREAM CHANNEL WITH A BOULDER / COBBLE SUBSTRATE. ASPECT OF CANYON IS SE; SLOPE IS CLOSE TO 100%. CANYON IS VEGETATED BY LIVE OAK / BAY WOODLAND.
General: 3 ADULTS OBSERVED ON 12 JUN 2004.
Owner/Manager: SANTA CLARA VALLEY OPEN SPACE



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Occurrence No.	759	Map Index: 56893	EO Index: 56909	Element Last Seen:	2003-XX-XX
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-09-22

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.76397 / -121.40716	Accuracy:	specific area
UTM:	Zone-10 N4069872 E642166	Elevation (ft):	810
PLSS:	T13S, R05E, Sec. 34 (M)	Acres:	8.1

Location: GARNER LAKE AND AN ADJACENT SEDIMENT BASIN, SOUTH SIDE OF CIENEGA ROAD IN BONANZA GULCH, 5 MILES SOUTH OF HOLLISTER.

Detailed Location: GARNER LAKE BASIN IS 20 M X 8 M X 1 M DEEP; ADJACENT BASIN IS 20 M X 10 M X 1 M DEEP.

Ecological: HABITAT CONSISTS OF A SEDIMENT BASIN, VEGETATED BY DUCKWEED (LEMNA SP) AND LARGE CLUMPS OF ALGAE; COAST LIVE OAK OVERHANGS MARGINS OF BASIN IN PLACES.

General: ON 12 AUG 2003, DURING A DAYTIME SURVEY, 12+ METAMORPHS OBSERVED ON GARNER LAKE; ADJACENT BASIN CONTAINED 10+ METAMORPHS. NO BULLFROGS OBSERVED IN THESE BASINS. LATER, IN 2003, 12+ ADULT FROGS WERE OBSERVED DURING A NIGHTTIME SURVEY.

Owner/Manager: DPR-HOLLISTER HILLS SVRA

Occurrence No.	760	Map Index: 56894	EO Index: 56910	Element Last Seen:	2003-08-12
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2003-08-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-09-22

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.77730 / -121.43687	Accuracy:	80 meters
UTM:	Zone-10 N4071307 E639490	Elevation (ft):	900
PLSS:	T13S, R05E, Sec. 29 (M)	Acres:	0.0

Location: SYCAMORE BASIN, IN NORTH CANYON, 0.5 MILE UPSTREAM FROM THE BIRD CREEK CONFLUENCE, 4.6 MILES SSW OF HOLLISTER.

Detailed Location: POND IS 40 M X 20 M X >1 M DEEP.

Ecological: HABITAT CONSISTS OF A SEDIMENT BASIN, VEGETATED BY PONDWEED (POTAMOGETON SP) AND LARGE CLUMPS OF ALGAE; SYCAMORE OVERHANGS MARGINS OF BASIN IN PLACES.

General: 12 METAMORPHS OBSERVED ON 12 AUG 2003, DURING A DAYTIME SURVEY; NO BULLFROGS HEARD OR OBSERVED IN THIS BASIN.

Owner/Manager: DPR-HOLLISTER HILLS SVRA



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Occurrence No.	761	Map Index: 56897	EO Index: 56913	Element Last Seen:	2003-12-29
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-12-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-09-22

Quad Summary: Mt. Harlan (3612164), Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.75057 / -121.38578	Accuracy:	80 meters
UTM:	Zone-10 N4068418 E644099	Elevation (ft):	1050
PLSS:	T14S, R05E, Sec. 02 (M)	Acres:	0.0

Location: ALONG CIENEGA ROAD, NEXT TO DE ROSE WINERY, 6.25 MILES SOUTH OF HOLLISTER.

Detailed Location:

Ecological: HABITAT CONSISTS OF A WETLAND (CIENEGA), MOST LIKELY ONE THAT OCCURS ABOUT 50 METERS AWAY.

General: 1 ADULT FOUND DOR, AT ABOUT MIDNIGHT ON A RAINY NIGHT, ON 29 DEC 2003; UNKNOWN WHERE THIS FROG MAY HAVE ORIGINATED, AS THERE ARE MANY NATURAL AND MANMADE WETLANDS / POOLS IN THIS AREA.

Owner/Manager: SBT COUNTY

Occurrence No.	762	Map Index: 56898	EO Index: 56914	Element Last Seen:	2004-02-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-02-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-09-22

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.76931 / -121.41436	Accuracy:	80 meters
UTM:	Zone-10 N4070454 E641513	Elevation (ft):	1000
PLSS:	T13S, R05E, Sec. 27 (M)	Acres:	0.0

Location: WEST OF CIENEGA ROAD, ALONG THE PARK ENTRANCE ROAD, ON THE NORTH SIDE OF BIRD CREEK, HOLLISTER HILLS SVRA.

Detailed Location:

Ecological: HABITAT (BIRD CREEK) CONSISTS OF AN EPHEMERAL STREAM THAT CROSSES BENEATH THE PARK ENTRANCE ROAD THROUGH A METAL CULVERT; OVERHANGING VEGETATION AND OPEN POOLS ARE FOUND ALONG BIRD CREEK.

General: 1 LARGE ADULT MALE FOUND CROSSING THE ROAD AT NIGHT ON 17 FEB 2004.

Owner/Manager: DPR-HOLLISTER HILLS SVRA

Occurrence No.	787	Map Index: 59221	EO Index: 59257	Element Last Seen:	2004-08-10
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-08-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-01-11

Quad Summary: Watsonville East (3612186)

County Summary: Santa Clara

Lat/Long:	36.96793 / -121.66296	Accuracy:	specific area
UTM:	Zone-10 N4092150 E619017	Elevation (ft):	1180
PLSS:	T11S, R03E, Sec. 17 (M)	Acres:	7.2

Location: BODFISH CREEK, IN THE SANTA CRUZ MOUNTAINS.

Detailed Location:

Ecological: HABITAT CONSISTS OF AN INTERMITTENT STREAM CONTAINING RESIDUAL POOLS; SURROUNDING VEGETATION CONSISTS OF REDWOOD FOREST USED FOR COMMERCIAL TIMBER HARVEST.

General: 1 ADULT IN ONE POOL, AND 1 ADULT AND 1 JUVENILE IN A SECOND POOL, OBSERVED ON 10 AUG 2004.

Owner/Manager: CASTRO VALLEY RANCH



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Occurrence No.	790	Map Index: 59445	EO Index: 59481	Element Last Seen:	2002-02-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-05-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-01-19
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.86288 / -121.65055		Accuracy:	80 meters	
UTM:	Zone-10 N4080511 E620286		Elevation (ft):	130	
PLSS:	T12S, R03E, Sec. 28 (M)		Acres:	0.0	
Location:	UNNAMED DRAINAGE THAT CROSSES CARPENTERIA ROAD, 0.25 MILE NE OF SAN JUAN ROAD, 1.8 MILES SOUTH OF AROMAS.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A DEEP POOL NEAR AN UPSTREAM CULVERT ALONG CARPENTERIA ROAD; DENSE LIVE OAKS AND WILLOWS FORM AN OVERHEAD CANOPY, WITH A DENSE POISON OAK AND BLACKBERRY GROUND COVER ALONG BOTH BANKS.				
General:	1 LARGE ADULT OBSERVED ON 26 FEB 2002, DURING A PRE-CONSTRUCTION SURVEY; BY MAY, THE CREEK WAS DRY AND NO FROGS WERE OBSERVED DURING ADDITIONAL SURVEYS.				
Owner/Manager:	PVT				
Occurrence No.	792	Map Index: 59477	EO Index: 59513	Element Last Seen:	2005-09-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-09-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-03-23
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.10625 / -121.44493		Accuracy:	non-specific area	
UTM:	Zone-10 N4107791 E638175		Elevation (ft):	1400	
PLSS:	T09S, R05E, Sec. 32 (M)		Acres:	222.4	
Location:	PORTION OF COYOTE CREEK AND AN INTERMITTENT STREAM IN GRIZZLY GULCH, TRIBUTARY TO COYOTE CREEK, HENRY W. COE STATE PARK.				
Detailed Location:	10 FROGS OBSERVED WITHIN A 2.5 MILE SECTION OF STREAM IN 2004.				
Ecological:	HABITAT CONSISTS OF RIPARIAN SURROUNDING AN INTERMITTENT STREAM.				
General:	5 ADULTS AND 8 JUVENILES OBSERVED DURING 2 SURVEY DATES, 24 APR 2004 AND 11 MAY 2004. 2 LARGE ADULTS OBSERVED ON THE STREAM BOTTOM DURING A NOCTURNAL SURVEY ON 9 AUG 2005.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	793	Map Index:	59490	EO Index:	59526	Element Last Seen:	2004-05-31
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2004-05-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-01-20	

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.07265 / -121.45756	Accuracy:	specific area
UTM:	Zone-10 N4104045 E637114	Elevation (ft):	875
PLSS:	T10S, R05E, Sec. 07, SE (M)	Acres:	17.9

Location: MOUTH OF BRAEN CANYON AND INTO HUNTING HOLLOW, HENRY W COE STATE PARK.
Detailed Location:
Ecological: HABITAT CONSISTS OF AN INTERMITTENT STREAM CONTAINING POOLS; STREAM SURROUNDED BY OAK WOODLAND / SAVANNAH.
General: 1 JUVENILE OBSERVED ON 16 MAY 2004; 1 ADULT AND 1 JUVENILE OBSERVED ON 31 MAY 2004.
Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	794	Map Index:	30882	EO Index:	59532	Element Last Seen:	2005-05-07
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2008-02-05	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-05-29	

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.05917 / -121.40943	Accuracy:	80 meters
UTM:	Zone-10 N4102619 E641417	Elevation (ft):	1920
PLSS:	T10S, R05E, Sec. 15, SE (M)	Acres:	0.0

Location: ALONG THE WEST SIDE OF PHLEGLEY RIDGE, HENRY W COE STATE PARK.
Detailed Location: POND C-60 IS LOCATED WEST OF DIRT ROAD.
Ecological: HABITAT CONSISTS OF A SEASONAL STOCK POND IN NON-NATIVE GRASSLAND WITH OAK WOODLANDS NEARBY. CTS ALSO KNOWN FROM THIS POND.
General: 1 JUVENILE OBSERVED ON 25 MAY 2004; NO TADPOLES DETECTED DESPITE DIPNETTING EFFORTS. 1 ADULT AND 2 JUVENILE FROGS OBSERVED ON 7 MAY 2005; NO TADPOLES SEEN. FROGS NOT DETECTED DURING VISIT TO SITE ON 5 FEB 2008.
Owner/Manager: DPR-HENRY W COE SP



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Occurrence No.	847	Map Index: 62923	EO Index: 62977	Element Last Seen:	2005-09-06
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2005-09-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-10-24
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.77106 / -121.43799		Accuracy:	80 meters	
UTM:	Zone-10 N4070614 E639401		Elevation (ft):	1000	
PLSS:	T13S, R05E, Sec. 29 (M)		Acres:	0.0	
Location:	ACROSS FROM BEE CAMP, HOLLISTER HILLS STATE VEHICLE RECREATION AREA.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A SEDIMENT BASIN WITHIN THE MOTORCYCLE / ATV RIDING AREA. POND WAS 20' X 50' X 1' DEEP; POND CONTAINS NO SHADE, NO VEGETATION (EXCEPT ALGAE CLUMPS), AND NO TREE OVERHANG.				
General:	1 ADULT CRLF, ALONG WITH 3 ADULT TREE FROGS, OBSERVED DURING A DAYTIME SURVEY ON 6 SEP 2005.				
Owner/Manager:	DPR-HOLLISTER HILLS SVRA				
Occurrence No.	870	Map Index: 54034	EO Index: 64402	Element Last Seen:	2005-05-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-05-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-03-22
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.05028 / -121.43037		Accuracy:	80 meters	
UTM:	Zone-10 N4101602 E639571		Elevation (ft):	1100	
PLSS:	T10S, R05E, Sec. 21, SW (M)		Acres:	0.0	
Location:	0.6 MILE NE OF BILLS HILL, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A TINY, SEASONAL POND SURROUNDED BY OAK SAVANNAH.				
General:	3 ADULTS OBSERVED WHILE WALKING THE POOL PERIMETER ON 7 MAY 2005.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	871	Map Index: 64324	EO Index: 64403	Element Last Seen:	2005-05-22
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2005-05-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-03-23
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.07935 / -121.40357		Accuracy:	80 meters	
UTM:	Zone-10 N4104867 E641901		Elevation (ft):	2060	
PLSS:	T10S, R05E, Sec. 10, SE (M)		Acres:	0.0	
Location:	0.2 MILE SW OF VASQUEZ PEAK, HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND NEAR THE RIDGETOP; SURROUNDED BY OAK SAVANNAH.				
General:	25 TADPOLES WERE NETTED ON 22 MAY 2005; NO JUVENILE OR ADULT FROGS WERE OBSERVED.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	872	Map Index: 64325	EO Index: 64404	Element Last Seen:	2005-06-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-06-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-03-23

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.08056 / -121.46055	Accuracy:	80 meters
UTM:	Zone-10 N4104917 E636833	Elevation (ft):	1360
PLSS:	T10S, R05E, Sec. 07 (M)	Acres:	0.0

Location: 1 MILE NNE OF THE INTERSECTION OF HOT SPRINGS ROAD AND HUNTING HOLLOW, HENRY W COE STATE PARK.
Detailed Location:
Ecological: HABITAT CONSISTS OF A POND; SURROUNDED BY OAK SAVANNAH / WOODLAND.
General: 7 TADPOLES WERE NETTED ON 7 JUN 2005; 1 ADULT FROG WAS OBSERVED.
Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	926	Map Index: 68149	EO Index: 68297	Element Last Seen:	2006-12-12
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2006-12-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-21

Quad Summary: San Felipe (3612184)
County Summary: San Benito

Lat/Long:	36.90306 / -121.48971	Accuracy:	80 meters
UTM:	Zone-10 N4085183 E634553	Elevation (ft):	300
PLSS:	T12S, R04E, Sec. 12, SW (M)	Acres:	0.0

Location: 1 MILE NW OF THE HUDNER LANE TERMINOUS IN THE FLINT HILLS, 6 MILES NW OF HOLLISTER.
Detailed Location:
Ecological: HABITAT CONSISTS OF A FIELD, COMPOSED OF NON-NATIVE ANNUAL GRASSLAND, PERIODICALLY USED FOR CATTLE GRAZING; LOCATED AT THE BOTTOM OF AN ENE SLOPE.
General: 1 JUVENILE CAPTURED IN A CTS PITFALL TRAP ON 12 DEC 2006.
Owner/Manager: PVT



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Occurrence No.	928	Map Index: 68163	EO Index: 68310	Element Last Seen:	2006-04-19
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2006-04-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-21

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.78145 / -121.67743	Accuracy:	specific area
UTM:	Zone-10 N4071445 E618015	Elevation (ft):	90
PLSS:	T13S, R03E, Sec. 19, SE (M)	Acres:	12.0

Location: 0.8 MILE NW OF THE INTERSECTION OF BLACKIE ROAD AND HIGHWAY 156, JUST WEST OF PRUNEDALE.

Detailed Location: SEDIMENT BASIN APPEARS NOT TO BE USED FOR RED-LEGGED FROG BREEDING, AS NO LARVAE WERE FOUND (2006).

Ecological: HABITAT CONSISTS OF A SEDIMENT BASIN THAT IS DREDGED ANNUALLY AND A FRESHWATER MARSH BELOW. SUBSTRATE OF SEDIMENT BASIN IS SANDY AND WATER IS TURBID; NO AQUATIC VEGETATION, BERMS LARGELY BARE. MARSH IS A NATURAL WETLAND ENHANCED BY BERMS.

General: AQUATIC SURVEYS WERE CONDUCTED ON 17 APR, 19 APR, 4 MAY, AND 17 MAY 2006; 6 ADULTS CAPTURED ON 17 APR, WHILE SAMPLING FOR CTS IN THE SEDIMENT BASIN, AND NUMEROUS TADPOLES CAPTURED AND SEVERAL ADULTS OBSERVED IN THE MARSH ON 19 APR 2006.

Owner/Manager: PVT

Occurrence No.	929	Map Index: 68157	EO Index: 68311	Element Last Seen:	2006-05-31
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2006-05-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-20

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.78712 / -121.68420	Accuracy:	80 meters
UTM:	Zone-10 N4072064 E617402	Elevation (ft):	90
PLSS:	T13S, R03E, Sec. 19, SE (M)	Acres:	0.0

Location: NORTH SIDE OF HWY 156, ABOUT 0.3 MI W OF INTERSECTION WITH MERIDIAN RD. 1 MILE WEST OF HWY 101 & 1 MILE N OF PRUNEDALE.

Detailed Location: BREEDING POND; SURROUNDED BY STRAWBERRY FIELDS, OAK WOODLANDS, AND LOW-DENSITY RESIDENTIAL.

Ecological: HABITAT CONSISTS OF AN ARTIFICIAL SPRING-FED POND CREATED BY THE ADDITION OF A BERM; POND IS USED BY HORSES. WETLAND VEGETATION IS LARGELY ABSENT AROUND THE POND PERIMETER, EXCEPT FOR A SMALL PATCH OF WILLOW SAPLINGS AND SCIRPUS SP.

General: AQUATIC SURVEYS WERE CONDUCTED FROM 18 APR-31 MAY 2006; 3 ADULTS AND NUMEROUS LARVAE WERE CAPTURED WHILE SAMPLING FOR CTS LARVAE.

Owner/Manager: PVT



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Occurrence No.	930	Map Index: 68095	EO Index: 68308	Element Last Seen:	2006-05-02
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2006-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-16

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.77040 / -121.72964	Accuracy:	specific area
UTM:	Zone-10 N4070155 E613372	Elevation (ft):	10
PLSS:	T13S, R02E, Sec. 27 (M)	Acres:	10.0

Location: UPPER ARM OF MORO COJO SLOUGH, ON THE SOUTH SIDE OF HIGHWAY 156, NE OF CASTROVILLE.

Detailed Location:

Ecological: HABITAT CONSISTS OF A SEASONAL SWALE SURROUNDED BY ANNUAL GRASSLAND/STRAWBERRY FIELDS; WILLOW THICKETS LINE THE LOW FLOW CHANNEL, EMERGENT VEGETATION ALONG THE SLOUGH MARGINS. OPEN WATER IS EXTENSIVE, UP TO 4' DEEP; DRIES BY LATE FALL.

General: AQUATIC SURVEYS WERE CONDUCTED ON 18 APR AND 2 MAY 2006; SEVERAL RED-LEGGED FROG LARVAE WERE CAPTURED WHILE SAMPLING FOR CTS.

Owner/Manager: PVT

Occurrence No.	931	Map Index: 68158	EO Index: 68312	Element Last Seen:	2007-04-21
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2007-04-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-06-27

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.77694 / -121.73778	Accuracy:	specific area
UTM:	Zone-10 N4070871 E612636	Elevation (ft):	10
PLSS:	T13S, R02E, Sec. 27, NW (M)	Acres:	24.0

Location: ARM OF MORO COJO SLOUGH, DOWNSTREAM OF CASTROVILLE BOULEVARD, NNE OF CASTROVILLE.

Detailed Location: AQUATIC SURVEYS WERE CONDUCTED ON 19 APR AND 3 AND 16 MAY 2006; NO EVIDENCE OF BREEDING (PERHAPS TOO BRACKISH). BREEDING OCCURRED DURING 2007 IN THE OLD SETTLING PONDS BELOW THE TRAILER PARK.

Ecological: HABITAT CONSISTS OF AN ARM OF MORO COJO SLOUGH, WHICH CONTAINS SEASONAL POCKETS OF WATER IN DEPRESSIONS IN THE LOW-FLOW CHANNEL AND VARIES FROM FRESH TO BRACKISH SEASONALLY; VEGETATED BY DENSE SPIKE RUSH AND PICKLEWEED.

General: 1 ADULT OBSERVED, APR-MAY 2006. 1 DEAD METAMORPH FOUND ON THE BIKE PATH, 14 NOV 2006. 1 ADULT OBSERVED IN MAIN SLOUGH CHANNEL, NEXT TO ROAD BELOW CULVERT, 3 APR 2007. 6 LARVAE OBSERVED IN SETTLING POND BELOW TRAILER PARK, 21 APR 2007.

Owner/Manager: PVT



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Occurrence No.	937	Map Index: 68683	EO Index: 69110	Element Last Seen:	2007-02-15
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-02-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-04

Quad Summary: Gilroy (3712115)

County Summary: Santa Clara

Lat/Long:	37.11973 / -121.55166	Accuracy:	80 meters
UTM:	Zone-10 N4109136 E628668	Elevation (ft):	700
PLSS:	T09S, R04E, Sec. 29, SE (M)	Acres:	0.0

Location: SPILL POND AT COYOTE CREEK/DAM AT NORTH END OF COYOTE LAKE, 5.5 MILES EAST OF MORGAN HILL.

Detailed Location: 1989 COORDINATES PRESUMED TO BE LOW-ACCURACY, LOCATION DESCRIBED AS "PLUNGE POOL BELOW COYOTE DAM." MAPPED TO LAT-LONG COORDINATES PROVIDED FOR 2007 DETECTION.

Ecological: 1989: PLUNGE POOL BELOW COYOTE DAM. 2007: SEEN ON DIRT PATH AT TOP OF BANK NEAR OUTFALL; HABITAT WAS SPILL POND (95 M X 66 M) AT TOE OF DAM; SOME EMERGENT VEGETATION, BANKS WITH RIPRAP; SURROUNDED BY SAGE SCRUB AND MIXED HARDWOOD.

General: DETECTED BY M. MARANGIO ON 9 NOV 1989. 1 INDIVIDUAL (FIRST YEAR) OBSERVED ON 15 FEB 2007.

Owner/Manager: SANTA CLARA VALLEY WATER DIST

*** SENSITIVE ***

Occurrence No.	942	Map Index: 68842	EO Index: 69435	Element Last Seen:	2007-02-12
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-02-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-04-19

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:		Accuracy:	80 meters
UTM:		Elevation (ft):	190
PLSS:		Acres:	0.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: HABITAT CONSISTS OF A SMALL CREEK VEGETATED BY COTTONWOODS, WILLOWS, SEDGES, AND RUSHES, WITH OAK WOODLAND NEARBY.

General:

Owner/Manager:



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Occurrence No.	945	Map Index: 68969	EO Index: 69631	Element Last Seen:	2007-03-31
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2007-03-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-04-18

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.11053 / -121.40801	Accuracy:	80 meters
UTM:	Zone-10 N4108320 E641448	Elevation (ft):	1672
PLSS:	T09S, R05E, Sec. 34, SE (M)	Acres:	0.0

Location: 0.2 MILE WEST OF CENTER FLATS AND 1.8 MILES NE OF WILSON PEAK, HENRY W. COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF A POND WITHIN MIXED OAK WOODLAND AND ADJACENT CHAPARRAL; FAIRLY ROUGH TERRAIN SURROUNDS THIS SITE.

General: 5 (PLUS 3 OTHER POSSIBLE) CRLF ADULTS OBSERVED DURING A NIGHT SURVEY ON 31 MAR 2007. DURING PREVIOUS VISITS, DURING THE DAY, NO FROGS WERE SEEN, AND DIPNET SURVEYS PRODUCED NO TADPOLES.

Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	987	Map Index: 70855	EO Index: 71779	Element Last Seen:	2007-05-11
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2007-05-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-22

Quad Summary: Prunedale (3612176)
County Summary: Monterey

Lat/Long:	36.86308 / -121.72170	Accuracy:	80 meters
UTM:	Zone-10 N4080446 E613943	Elevation (ft):	13
PLSS:	T12S, R02E, Sec. 26, NW (M)	Acres:	0.0

Location: 1 MILE DIRECTLY EAST NORTH END OF ELKHORN SLOUGH AND IMMEDIATELY SOUTH OF HALL ROAD, 4 MILES SE OF WATSONVILLE.

Detailed Location: MAPPED ACCORDING TO LOCATION PROVIDED ON MAP AND COORDINATES.

Ecological: HABITAT CONSISTS OF AN AGRICULTURE DITCH ABOUT 15 FT WIDE. SEASONAL POOLING IN CHANNEL ABOUT 2 FT AT TIME OF SURVEY. WATER TURBID, SURFACE WATER OPEN. WHEN FULL, WATER OVERFLOWS ONTO ANNUAL GRASSLAND/PASTURE TO THE NORTH. WILLOWS TO SOUTH.

General: 78 LARVAE CAPTURED ON 11 MAY 2007 WHILE SAMPLING FOR CTS/SCLTS LARVAE. BULLFROG ADULT AND LOUISIANA CRAYFISH ALSO OBSERVED. SURROUNDING LAND CONSISTS OF AGRICULTURAL AND RURAL RESIDENTIAL LAND.

Owner/Manager: PVT-TRIPLE M/ALBA



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Occurrence No.	988	Map Index: 70856	EO Index: 71836	Element Last Seen:	2007-05-10
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2007-05-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-26
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.86145 / -121.71366		Accuracy:	80 meters	
UTM:	Zone-10 N4080275 E614663		Elevation (ft):	14	
PLSS:	T12S, R02E, Sec. 26, NE (M)		Acres:	0.0	
Location:	CARNEROS CREEK, 1.5 MILES DIRECTLY EAST OF THE NORTH END OF ELKHORN SLOUGH AND SOUTH OF HALL RD, 4 MI SE OF WATSONVILLE.				
Detailed Location:	MAPPED ACCORDING TO COORDINATES PROVIDED. LOCATION ON MAP PROVIDED SHOWN TO BE JUST TO THE WEST (ABOUT 250 METERS) OF COORDINATES.				
Ecological:	HABITAT CONSISTS OF SEASONAL INTERMITTENT STREAM. SAMPLE SITE: 300 FT X 10 FT POOL MORE THAN 4 FT DEEP. SURFACE COVERED BY DUCKWEED, MOSQUITOFERN; STEEP SIDED BANKS. RIPARIAN CORRIDOR W/CANOPY OF WILLOWS; UNDERSTORY SMARTWEED, BLACKBERRY.				
General:	1 SUBADULT OBSERVED ON BANK WHILE SAMPLING FOR CALIFORNIA TIGER SALAMANDER, SANTA CRUZ LONG-TOED SALAMANDER LARVAE. ALSO, 1 YR+ BULLFROG LARVAE PRESENT, BUT UNCOMMON. SURROUNDING LAND CONSISTS OF AGRICULTURAL AND RURAL RESIDENTIAL LAND.				
Owner/Manager:	PVT-TRIPLE M/ALBA				
Occurrence No.	990	Map Index: 70926	EO Index: 71876	Element Last Seen:	2007-08-25
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2007-08-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-28
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.92769 / -121.54151		Accuracy:	80 meters	
UTM:	Zone-10 N4087844 E629896		Elevation (ft):	124	
PLSS:	T11S, R04E, Sec. 33, SW (M)		Acres:	0.0	
Location:	CARNADERO CREEK, APPROXIMATELY 0.25 KM UP STREAM OF CONFLUENCE WITH THE PAJARO RIVER, 5.5 MILES SOUTH OF GILROY.				
Detailed Location:	EAST BANK OF CREEK. LOCATION MAPPED ACCORDING TO COORDINATES GIVEN.				
Ecological:	HABITAT CONSISTS OF A STREAM/UPLAND HABITAT. AREA MOST LIKELY FUNCTIONS AS SUITABLE UPLAND HABITAT.				
General:	1 ADULT OBS ON 25 AUG 2007. SUCCESSFUL BREEDING MAY BE LIMITED BY HIGH NUMBERS OF FISH. PRODUCTIVITY WOULD LIKELY BE ENHANCED IN LOCAL AREA IF NEARBY RESTORATION EFFORTS CREATE LONG-LIVED ISOLATED PONDS/POOLS.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	993	Map Index: 71344	EO Index: 72250	Element Last Seen:	2003-11-XX
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2003-11-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-05-20
Quad Summary:	Chittenden (3612185)				
County Summary:	San Benito				
Lat/Long:	36.91870 / -121.51523		Accuracy:	1/5 mile	
UTM:	Zone-10 N4086883 E632253		Elevation (ft):	230	
PLSS:	T12S, R04E, Sec. 03 (M)		Acres:	0.0	
Location:	PASTURE/GRASSLAND AREA ABOUT 3.4 MILES SSE OF THE INTERSECTION OF HWY 101 AND HWY 20. SOUTH OF GILROY.				
Detailed Location:	FROGS FOUND IN SMALL WET SPOT BELOW DRIPPING FAUCET NEXT TO HOUSE WITH A SMALL ARTIPLEX BUSH FOR COVER.				
Ecological:	AREA IS RURAL RESIDENTIAL WITH GRAZING. MICROTUS BURROWS IN THE VICINITY.				
General:	INCIDENTAL SIGHTING OF 1 FROG ON 21 JULY 2003, 2 OTHERS OBSERVED 15 AUG. ALL 3 REMAINED IN THE AREA UNTIL LATE NOVEMBER, THEN DISAPPEARED.				
Owner/Manager:	UNKNOWN				
Occurrence No.	1009	Map Index: 73922	EO Index: 74917	Element Last Seen:	2008-05-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2008-05-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-03-25
Quad Summary:	San Juan Bautista (3612175)				
County Summary:	San Benito				
Lat/Long:	36.84202 / -121.60478		Accuracy:	specific area	
UTM:	Zone-10 N4078256 E624400		Elevation (ft):	410	
PLSS:	T12S, R03E, Sec. 35, SE (M)		Acres:	6.0	
Location:	ROCKS RANCH, 3.7 MILES WEST OF SAN JUAN BATISTA.				
Detailed Location:	IN STOCK POND/RESERVOIR IN S1/2 OF SE1/4 SEC 35.				
Ecological:	PERENNIAL RESERVOIR/STOCK POND WITHIN GRASSLAND SWALE. POND ROUGHLY 300' X 150' AND DEEPER THAN 4'. MARGIN OF SMARTWEED ALONG LITTORAL ZONE & PATCHES OF SPIKE RUSH, OTHERWISE LACKING IN EMERGENTS.				
General:	3 ADULTS AND 11 LARVAE WERE OBSERVED AT SITE. THE ADULT FROGS WERE OBSERVED DURING A NOCTURNAL SURVEY ON MARCH 5, 2008, WHILE THE LARVAE WERE CAPTURED BETWEEN 22 APR -8 MAY 2008.				
Owner/Manager:	PVT				



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Occurrence No.	1022	Map Index: 74080	EO Index: 75071	Element Last Seen:	2017-03-16
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-03-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-09
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.81505 / -121.72585		Accuracy:	specific area	
UTM:	Zone-10 N4075112 E613646		Elevation (ft):	36	
PLSS:	T13S, R02E, Sec. 11, SW (M)		Acres:	10.0	
Location:	0.24 MI SE OF THE ELKHORN SLOUGH NATIONAL ESTUARINE RESEARCH RESERVE HEADQUARTERS.				
Detailed Location:	2004: IN SMALL POND JUST S OF ELKHORN RD IN NW1/4 OF SW1/4 ESTIMATED SEC 11. 2017: ABOUT 0.15 MILES ENE OF 2004 DETECTION, ON ROAD; MAPPED TO PROVIDED COORDINATES.				
Ecological:	2004: SMALL POND IN WILLOW GROVE WITHIN GRASSLAND AND OAK WOODLAND; AGRICULTURAL FIELD AND ONE RESIDENCE NEXT TO POND. 2017: VEGETATED DRAINAGE DITCH ON NORTH SIDE OF ELKHORN ROAD; DETECTED DURING EMERGENCY ROAD REPAIR.				
General:	5 ADULTS OBSERVED; OBSERVATION DATE GIVEN AS "4 JUN 2004- PRESENT," FORM RECEIVED ON 2 NOV 2007. 1 ADULT OBSERVED DURING PRE-CONSTRUCTION MONITORING ON 16 MAR 2017.				
Owner/Manager:	DFG-ELKHORN SLOUGH ER				
Occurrence No.	1024	Map Index: 74120	EO Index: 75113	Element Last Seen:	2001-06-22
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2001-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-03-25
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.83619 / -121.62999		Accuracy:	80 meters	
UTM:	Zone-10 N4077576 E622162		Elevation (ft):	275	
PLSS:	T13S, R03E, Sec. 03, NW (M)		Acres:	0.0	
Location:	JUST SSE OF THE JUNCTION OF HWY 101 & DUNBARTON RD, 4.49 MI NNE OF PRUNDALE.				
Detailed Location:					
Ecological:	RIPARIAN OAK WOODLAND AND GRASSLAND. THE SEASONAL STREAM IS VEGETATED WITH WILLOWS AND COAST LIVE OAKS. THE STREAM RUNS THROUGH RANGE LAND THAT IS USED FOR CATTLE GRAZING.				
General:	1 ADULT WAS OBSERVED IN A SMALL POOL THAT DRIED UP LATER IN THE SUMMER ON 1 JUN 2001 AND ON 22 JUN 2001.				
Owner/Manager:	PVT				



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Occurrence No.	1025	Map Index: 74125	EO Index: 75119	Element Last Seen:	2001-06-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-03-25

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey

Lat/Long:	36.82641 / -121.62437	Accuracy:	specific area
UTM:	Zone-10 N4076499 E622679	Elevation (ft):	410
PLSS:	T13S, R03E, Sec. 03, SE (M)	Acres:	10.0

Location: 0.50 AIR MI NE OF THE JUNCTION OF HWY 101 & ECHO VALLEY RD, 4.1 MI NNE OF PRUNDALE.
Detailed Location: IN SEASONAL STREAM IN SE1/4 ESTIMATED SEC 3.
Ecological: THE SEASONAL STREAM IS VEGETATED WITH WILLOWS AND COAST LIVE OAKS. THE STREAM RUNS THROUGH RANGE LAND THAT IS USED FOR CATTLE GRAZING.
General: 8 ADULTS OBSERVED IN SMALL POOLS THAT DRIED UP LATER IN THE SUMMER.
Owner/Manager: PVT

Occurrence No.	1026	Map Index: 74133	EO Index: 75124	Element Last Seen:	2004-06-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-03-26

Quad Summary: Prunedale (3612176)
County Summary: Monterey

Lat/Long:	36.82055 / -121.73115	Accuracy:	80 meters
UTM:	Zone-10 N4075717 E613164	Elevation (ft):	15
PLSS:	T13S, R02E, Sec. 10, NE (M)	Acres:	0.0

Location: ELKHORN SLOUGH NATIONAL ESTUARINE RESEARCH PRESERVE, 0.18 MI W OF THE INTERSECTION OF ELKHORN RD & PARADISE VALLEY RD.
Detailed Location:
Ecological: THE HABITAT SURROUNDING THE PONDS IS COMPRISED OF MIXED OAK WOODLAND, HEAVILY INVADING GRASSLAND AND SOME STANDS OF EUCALYPTUS. THIS IS A RESERVE WITH A NETWORK OF 9 PONDS, 5 OF WHICH REGULARLY CONTAIN BREEDING FROGS.
General: ~100 ADULTS, ~200 JUVENILES, "MANY" LARVAE AND "SEVERAL" EGG MASSES OBSERVED. DATE RECORDED AS "1 JUN 2004- PRESENT", FIELD SURVEY FORM RECEIVED AT THE CNDDDB ON 2 NOV 2007.
Owner/Manager: DFG-ELKHORN SLOUGH ER



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Occurrence No.	1032	Map Index:	75915	EO Index:	75131	Element Last Seen:	2005-06-01
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2005-06-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-07-22	
Quad Summary:	Watsonville East (3612186)						
County Summary:	Monterey						
Lat/Long:	36.88085 / -121.74330			Accuracy:	80 meters		
UTM:	Zone-10 N4082392 E611992			Elevation (ft):	50		
PLSS:	T12S, R02E, Sec. 22, NW (M)			Acres:	0.0		
Location:	NORTH SIDE OF WARNER LAKE, 1 MILE SOUTH OF WATSONVILLE JUNCTION.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES ON NORTH SIDE OF LAKE.						
Ecological:	THE EDGE OF THE LAKE IS RINGED BY WILLOWS (SALIX SPP.) & TULE (SCIRPUS SPP.). THE UPLAND IS GRASSLAND WITH 2 RESIDENTIAL PARCELS. LAKE MAY NOT STAY WET LONG ENOUGH FOR BREEDING IN MOST YEARS.						
General:	3 ADULTS AND 2 JUVENILES OBSERVED. LOW POPULATION COUNTS. SEDIMENT ANALYSIS REVEALED PESTICIDE RESIDUES THAT MAY BE PROBLEMATIC.						
Owner/Manager:	TNC-ELKHORN SLOUGH RESERVE						

Occurrence No.	1033	Map Index:	74140	EO Index:	75137	Element Last Seen:	2006-06-01
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2006-06-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-03-24	
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.84984 / -121.73222			Accuracy:	80 meters		
UTM:	Zone-10 N4078965 E613025			Elevation (ft):	350		
PLSS:	T12S, R02E, Sec. 34, NE (M)			Acres:	0.0		
Location:	ON RIDGELINE EAST OF ELKHORN SLOUGH & NORTH OF SWISS CANYON, LOS CARNEROS, WATSONVILLE.						
Detailed Location:	0.7 AIR MILES NE OF ELKHORN RD AT KIRBY RD.						
Ecological:	ARTIFICIAL POND ON A RIDGELINE WITH EXTENSIVE TULE (SCIRPUS CALIFORNICUS) RINGING THE POND. THE UPLAND HABITAT IS CHAPARRAL.						
General:	2 ADULTS AND "MANY" LARVAE OBSERVED.						
Owner/Manager:	TNC-ELKHORN SLOUGH RES, ESF						



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Occurrence No.	1035	Map Index: 74147	EO Index: 75147	Element Last Seen:	2001-03-19
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-03-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-03-26

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey

Lat/Long:	36.80547 / -121.61315	Accuracy:	specific area
UTM:	Zone-10 N4074190 E623713	Elevation (ft):	485
PLSS:	T13S, R03E, Sec. 14, NW (M)	Acres:	10.0

Location: EAST OF CRAZY HORSE CANYON RD, 1.45 MI SE OF HWY 101, PRUNDALE.
Detailed Location: OBSERVED AT STOCK POND ABOUT 250 METERS EAST OF CRAZY HORSE CYN RD AND ALONG DRAINAGE ABOUT 230 METERS SOUTH OF STOCK POND. MAPPED TO PROVIDED COORDINATES. GUS SETTRINI PROPERTY.
Ecological: COAST LIVE OAK WOODLAND AND GRASSLAND. RANGELAND USED FOR CATTLE GRAZING AND TREE CUTTING (EUCALYPTUS).
General: 5 ADULTS OBSERVED BREEDING IN SMALL DRAINAGE ON 6 MAR 2001. 5 ADULTS OBSERVED BREEDING IN STOCK POND ON 19 MAR 2001. COAST RANGE NEWTS (TARICHA TORROSA) ABUNDANT IN STOCK POND.
Owner/Manager: PVT

Occurrence No.	1036	Map Index: 74151	EO Index: 75152	Element Last Seen:	2001-08-29
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-08-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-03-25

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey

Lat/Long:	36.77317 / -121.61690	Accuracy:	specific area
UTM:	Zone-10 N4070602 E623430	Elevation (ft):	360
PLSS:	T13S, R03E, Sec. 26 (M)	Acres:	4.0

Location: 0.75 MI WEST OF THE INTERSECTION OF CRAZY HORSE CANYON RD & SAN JUAN GRADE RD, 2.77 MI ESE OF PRUNDALE.
Detailed Location:
Ecological: LARGE HOLDING POND SURROUNDED BY STRAWBERRY FIELDS.
General: 1 BREEDING ADULT OBSERVED NEAR NORTHWEST CORNER OF POND.
Owner/Manager: PVT



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Occurrence No.	1063	Map Index: 74857	EO Index: 75857	Element Last Seen:	2008-08-19
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2008-08-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-04-24
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.77862 / -121.44285		Accuracy:	80 meters	
UTM:	Zone-10 N4071446 E638954		Elevation (ft):	1040	
PLSS:	T13S, R05E, Sec. 29, NE (M)		Acres:	0.0	
Location:	SEDIMENT BASIN, IN NORTH CANYON, 0.77 MILE UPSTREAM FROM THE BIRD CREEK CONFLUENCE, HOLLISTER HILLS SVRA.				
Detailed Location:					
Ecological:	SEDIMENT BASIN, ALSO FED BY GROUNDWATER (HOLDING WATER INTO SUMMER), SURROUNDED BY COAST LIVE OAK WOODLAND. LOCATION IS IN AN OFF-ROAD VEHICLE PARK.				
General:	14 JUVENILES AND 1 LARVA OBSERVED ON 19 AUG 2008.				
Owner/Manager:	DPR-HOLLISTER HILLS SVRA				
Occurrence No.	1064	Map Index: 74866	EO Index: 75874	Element Last Seen:	2008-08-19
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2008-08-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-04-24
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.77406 / -121.46921		Accuracy:	80 meters	
UTM:	Zone-10 N4070901 E636609		Elevation (ft):	2090	
PLSS:	T13S, R05E, Sec. 30, NE (M)		Acres:	0.0	
Location:	POOL IN THE UPPER PART OF NORTH CANYON AT HOLLISTER HILLS SVRA, 2.3 MI NE OF FREMONT PEAK IN FREMONT PEAK STATE PARK.				
Detailed Location:	ABOUT 1.3 MILES SSW OF BENCH MARK 1284 ON SAN JUAN CYN RD AT HILLSIDE RD. MAPPED TO PROVIDED COORDINATES.				
Ecological:	SMALL SPRING-FED POOL (A SEEP) IN THE UPPER REACHES OF A RAVINE. COAST LIVE OAK WOODLAND IN RAVINE, SURROUNDED BY MIXED CHAPARRAL. WATER QUALITY IS POOR (MUCH ORGANIC MATTER). LOCATION IS IN AN ORV PARK.				
General:	2 ADULTS OBSERVED ON 19 AUG 2008.				
Owner/Manager:	DPR-HOLLISTER HILLS SVRA				



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Occurrence No.	1081	Map Index: 74983	EO Index: 75992	Element Last Seen:	2008-08-19
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2008-08-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-05-07
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.77146 / -121.46281		Accuracy:	80 meters	
UTM:	Zone-10 N4070622 E637185		Elevation (ft):	2035	
PLSS:	T13S, R05E, Sec. 30, SE (M)		Acres:	0.0	
Location:	LAKE ON NORTH RIDGE OF AZALEA CANYON, 2.5 MI NE OF FREMONT PEAK (FREMONT PEAK STATE PARK), HOLLISTER HILLS SVRA.				
Detailed Location:	LAKE IS 1.16 MILE ENE OF THE JCT OF SAN JUAN CANYON RD & THE SAN BENITO/MONTEREY COUNTY LINE.				
Ecological:	SMALL, DEEP, SPRING-FED LAKE. SHORE IS RINGED BY TULE/CATTAILS. LAKE LOCATED IN UPPER HILLS OF PARK. COAST LIVE OAK WOODLAND AND CHANISE DOMINATED CHAPARRAL. LOCATION IS IN AN ORV PARK WITH RIDING TRAILS AND PICNIC AREAS.				
General:	3 ADULTS AND 3 JUVENILES OBSERVED ON 19 AUG 2008. MANY MOSQUITO FISH IN THE LAKE.				
Owner/Manager:	DPR-HOLLISTER HILLS SVRA				
Occurrence No.	1082	Map Index: 74984	EO Index: 75993	Element Last Seen:	2008-10-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2008-10-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-07-27
Quad Summary:	Watsonville East (3612186)				
County Summary:	Santa Cruz				
Lat/Long:	36.92448 / -121.63825		Accuracy:	80 meters	
UTM:	Zone-10 N4087361 E621285		Elevation (ft):	1090	
PLSS:	T12S, R03E, Sec. 04, NE (M)		Acres:	0.0	
Location:	0.60 MI WEST OF MT PAJARO, ABOUT 2 MILES NORTH OF AROMAS.				
Detailed Location:					
Ecological:	BREEDING POND.				
General:	3 JUVENILES OBSERVED ON 21 OCT 2008.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	1225	Map Index: 75946	EO Index: 76950	Element Last Seen:	2004-06-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-08-28
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.83215 / -121.74983		Accuracy:	80 meters	
UTM:	Zone-10 N4076982 E611481		Elevation (ft):	100	
PLSS:	T13S, R02E, Sec. 04, NE (M)		Acres:	0.0	
Location:	ELKHORN NATIVE PLANT NURSERY, ELKHORN RANCH.				
Detailed Location:	PONDS ARE JUST EAST OF THE NURSERY. OUTSIDE OF THE BREEDING SEASON, MANY OF THESE FROGS ARE IN THE UPLAND HABITAT RATHER THAN THE PONDS.				
Ecological:	THIS IS A NETWORK OF 15 PONDS (1 AT THIS LOCATION) WHICH ARE SURROUNDED BY GRASSLANDS, OAKS, AND SMALL PATCHES OF ORGANIC FARMING. THE PONDS ARE MAN-MADE & ALL CONTAIN R. DRAYTONII & LOW R. CATESBEIANA DENSITIES.				
General:	20 ADULTS OBSERVED AT 2 SMALL PONDS AT THE NURSERY. "MANY" LARVAE & EGG MASSES OBS IN AREA. DATE RECORDED AS "1 JUN 2004- PRESENT," FIELD SURVEY FORM RECEIVED AT CNDDDB ON 2 NOV 2007.				
Owner/Manager:	PVT-ELKHORN RANCH				
Occurrence No.	1420	Map Index: 99076	EO Index: 100602	Element Last Seen:	2016-01-20
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2016-01-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-02-03
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.05737 / -121.56966		Accuracy:	80 meters	
UTM:	Zone-10 N4102193 E627173		Elevation (ft):	230	
PLSS:	T10S, R04E, Sec. 18, SE (M)		Acres:	0.0	
Location:	LLAGAS CREEK JUST S OF THE RUCKER AVE BRIDGE AND ABOUT 0.8 MILE ESE OF HWY 101 AT MASTEN AVE, 2 MILES N OF GILROY.				
Detailed Location:	MAPPED TO PROVIDED LOCATION.				
Ecological:	IN-CHANNEL OF LLAGAS CREEK COMPOSED OF SAND, GRAVEL, AND COBBLE SUBSTRATE. THE CREEK WAS NOT FLOWING AT THE TIME OF SURVEY, AND WAS COMPOSED OF INTER-CONNECTED AND ISOLATED POOLS ALONG CREEK CORRIDOR. IN RURAL RESIDENTIAL AREA.				
General:	1 ADULT OBSERVED ON 20 JAN 2016.				
Owner/Manager:	SANTA CLARA VALLEY WATER DIST				



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Occurrence No.	1463	Map Index:	A4536	EO Index:	106227	Element Last Seen:	2016-09-07
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2016-09-07	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-05-04	
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.77645 / -121.71168			Accuracy:	specific area		
UTM:	Zone-10 N4070848 E614967			Elevation (ft):	38		
PLSS:	T13S, R02E, Sec. 26, NE (M)			Acres:	10.0		
Location:	BETWEEN BLACKIE RD AND HWY 156, ABOUT 0.5 MILES SW OF HWY 156 AT OAK HILLS DR, NE OF CASTROVILLE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	FLOODED CATCHMENT WITH SCIRPUS, WILLOW, DUCKWEED, GRASSES & FORBS ON ACTIVE FARM GROWING PRIMARILY STRAWBERRIES ON VERY SANDY SOIL. FARM CONDUCTS FREQUENT MAINTENANCE ACTIVITIES TO REPAIR EROSION AND SEDIMENTATION DUE TO RUNOFF.						
General:	1 JUVENILE OBSERVED ON 12 JUN 2013. 1 ADULT OBSERVED LOAFING ON BANK DURING NIGHTTIME PRE-ACTIVITY SURVEY ON 7 SEP 2016.						
Owner/Manager:	PVT						
Occurrence No.	1467	Map Index:	A6367	EO Index:	108129	Element Last Seen:	2018-08-06
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2019-08-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2020-07-14	
Quad Summary:	Gilroy Hot Springs (3712114)						
County Summary:	Santa Clara						
Lat/Long:	37.05392 / -121.38431			Accuracy:	80 meters		
UTM:	Zone-10 N4102074 E643662			Elevation (ft):	1738		
PLSS:	T10S, R05E, Sec. 24, NW (M)			Acres:	5.0		
Location:	NORTH SIDE OF ELEPHANT HEAD RIDGE ABOUT 0.4 MI N OF KICKHAM PEAK & 1.7 MI SW OF GULNAC PEAK, CANADA DE LOS OSOS ER.						
Detailed Location:	SITE KNOWN AS CORRAL POND OR OLD CORRAL POND. MAPPED TO PROVIDED COORDINATES.						
Ecological:	FORMER FARM POND FAR FROM PERENNIAL STREAMS, SUBJECT TO DRYING IN DROUGHT. SEASONAL STREAM W/DENSE VEG PROVIDES UPLAND HABITAT. IN GRASSLAND/BLUE OAK SAVANNA. WAS A RANCH, NOW A PRESERVE. EARLY DRYING 2014-2015 MAY HAVE REDUCED POPULATION.						
General:	~100 METAMORPHS & TADPOLES FOUND JUL 2013. NONE SEEN IN AUG 2016; LIKELY METAMORPHOSED EARLIER AND ADULTS WERE SEEN ALONG THE SHORE EARLIER THAT SUMMER. 15 ADULTS SEEN 25 APR-19 AUG 2017. 74 LARVAE FOUND 20 JUN-6 AUG 2018. NONE IN 2019.						
Owner/Manager:	DFG-CANADA DE LOS OSOS ER						



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Occurrence No.	1468	Map Index: A6374	EO Index: 108133	Element Last Seen:	2019-08-31
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2019-08-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-13

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.04661 / -121.38259	Accuracy:	specific area
UTM:	Zone-10 N4101267 E643828	Elevation (ft):	2173
PLSS:	T10S, R05E, Sec. 24, SW (M)	Acres:	10.0

Location: ABOUT 0.1 TO 0.3 MI ESE OF KICKHAM PEAK & 2.0 MI SW OF GULNAC PEAK, CANADA DE LOS OSOS ER.
Detailed Location: TWO PONDS REPRESENTED, FOUR CORNERS POND (EAST) & EAST BIG SPRING POND (WEST).
Ecological: EAST BIG SPRING (EBS): SMALL POND W/ASSOCIATED SPRING, DEEPENED BY EXCAVATION IN 2015 & FENCED TO EXCLUDE PIGS; IN UNGRAZED, HILLY GRASSLAND. FOUR CORNERS POND (FCP): EARLY-DRYING POND, DEEPENED IN 2015; IN DRAINAGE W/OAK WOODLAND.
General: EBS: 3 FROGS & NO LARVAE IN 2016; 3+ ADULTS, 2 JUVENILES & 32 LARV IN 2017; 1 ADULT, 20-30 METAMORPHS & LARV COMMON IN 2018; 20 JUV & 109 LARV IN 2019. FCP: 1 YEARLING ON 22 MAY 2016; 2 ADULTS IN 2017; NONE IN 2018; 8 JUV IN 2019.
Owner/Manager: DFG-CANADA DE LOS OSOS ER

Occurrence No.	1469	Map Index: A6377	EO Index: 108135	Element Last Seen:	2016-05-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2019-08-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-13

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.05083 / -121.39472	Accuracy:	specific area
UTM:	Zone-10 N4101716 E642742	Elevation (ft):	2009
PLSS:	T10S, R05E, Sec. 23, SW (M)	Acres:	8.0

Location: ABOUT 0.6 MILES NW OF KICKHAM PEAK & 2.2 MILES SW OF GULNAC PEAK, CANADA DE LOS OSOS ER.
Detailed Location: ROCCI'S POND. MAPPED TO PROVIDED COORDINATES.
Ecological: RELATIVELY LONG-LASTING POND SURROUNDED BY OAK WOODLAND WITH GRASSLAND UPSLOPE. FORMER RANCH, NOW AN UNGRAZED PRESERVE.
General: 1 YEARLING RED-LEGGED FROG CAPTURED ON 24 MAY 2016; NO TADPOLES CAPTURED BY SEINING. NONE FOUND ON 27 APR AND 5 JUL 2017, 11 APR AND 20 JUN 2018, AND 13 MAY AND 1 AUG 2019.
Owner/Manager: DFG-CANADA DE LOS OSOS ER



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Occurrence No.	1537	Map Index: A9243	EO Index: 111084	Element Last Seen: 1982-10-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1982-10-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-05-02

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.0045 / -121.68184	Accuracy:	1/10 mile
UTM:	Zone-10 N4096183 E617281	Elevation (ft):	477
PLSS:	T11S, R03E, Sec. 6, SE (M)	Acres:	18.0

Location: SPRIG LAKE, NEAR JUNCTION OF HIGHWAY 152 AND BLACKHAWK CANYON ROAD, MOUNT MADONNA COUNTY PARK, WEST OF GILROY.

Detailed Location:

Ecological: POPULATION PRESUMED EXTANT BY JENNINGS IN 1997 REPORT, BASED ON UNKNOWN QUANTITY OF FIELDWORK. FROM GOOGLE EARTH AERIALS AND ONLINE TRAIL MAPS, SPRIG LAKE HAS APPARENTLY BEEN DRY FOR YEARS, AND A RECREATION TRAIL NOW RUNS THROUGH THE SITE.

General: OBSERVED BY J. BOUNDY. APR 1970 - OCT 1982.

Owner/Manager: SCL COUNTY

Occurrence No.	1546	Map Index: A9282	EO Index: 111126	Element Last Seen: 1986-09-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1986-09-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-05-03

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.09062 / -121.46845	Accuracy:	non-specific area
UTM:	Zone-10 N4106023 E636114	Elevation (ft):	917
PLSS:	T10S, R05E, Sec. 6, SW (M)	Acres:	115.0

Location: COYOTE CREEK, ABOUT 1.1-2 MILES SOUTH OF GILROY HOT SPRINGS.

Detailed Location: MAPPED TO INCLUDE GIVEN COORDINATES (~1.1 MI S OF HOT SPRINGS) AND LOCATION DESCRIPTION "COYOTE CREEK, ABOUT 2 MILES SOUTH OF GILROY HOT SPRINGS."

Ecological:

General: OBSERVED BY J. BOUNDY ON 13 SEP 1986.

Owner/Manager: DPR-HENRY W COE SP



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Occurrence No.	1552	Map Index: A9314	EO Index: 111158	Element Last Seen:	2017-05-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-05-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-02-22
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.93733 / -121.57892		Accuracy:	non-specific area	
UTM:	Zone-10 N4088863 E626549		Elevation (ft):	439	
PLSS:	T11S, R04E, Sec. 31, NW (M)		Acres:	27.0	
Location:	NORTH SIDE OF TAR CREEK, ABOUT 2.1 MILES NW OF SARGENT & 2.9-3.2 MILES NE OF PAJARO GAP, SARGENT HILLS.				
Detailed Location:	1992 DETECTION LOCATION DESCRIBED AS "TAR CREEK DRAINAGE, JUST SOUTHWEST OF GILROY;" ATTRIBUTED HERE. MAPPED TO COORDINATES GIVEN FOR 2017 DETECTIONS (SW-MOST 2 POLYGONS) & 2000-2015 DETECTIONS (ALL 3 POLYGONS) ON SARGENT RANCH.				
Ecological:	2000-2015: BULLFROGS AND FISH ALSO PRESENT AT SW-MOST POND. 2017: STOCK PONDS IN AREA USED FOR CATTLE RANCHING. PONDS WERE RELATIVELY CLEAR AND DEEP (4.5 FEET OR DEEPER).				
General:	DETECTED BY LSA ASSOCIATES IN VICINITY, IN OR PRIOR TO 1992. DETECTED DURING SURVEYS CONDUCTED BETWEEN 2000 & 2015. 5 ADULTS, 1 JUVENILE & 45 LARVAE FOUND IN PONDS #17 & 19 ON 21 MAY 2017.				
Owner/Manager:	UNKNOWN				
Occurrence No.	1553	Map Index: A9315	EO Index: 111159	Element Last Seen:	20XX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	20XX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-03-01
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.94518 / -121.59643		Accuracy:	1/10 mile	
UTM:	Zone-10 N4089711 E624978		Elevation (ft):	933	
PLSS:	T11S, R03E, Sec. 25, SW (M)		Acres:	18.0	
Location:	SPRING ON W SIDE OF CARLYLE HILLS, 1.6 MI NE OF THE STAR CK & PESCADERO CK CONFLUENCE & 2.7 MI SW OF HWY 101 AT HWY 25.				
Detailed Location:	MAPPED TO SPRING ON USGS TOPO, ADJACENT TO PROVIDED COORDINATES. ON SARGENT RANCH PROPERTY.				
Ecological:	PROPERTY USED FOR CATTLE RANCHING AND OIL EXTRACTION, WITH QUARRY PROPOSED IN 2017.				
General:	DETECTED IN OR PRIOR TO 1992 BY LSA ASSOCIATES. DETECTED IN 2000-2001 AND/OR 2005-2015 SURVEYS, ACCORDING TO 2017 REPORT.				
Owner/Manager:	UNKNOWN, PVT				



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Occurrence No.	1573	Map Index:	66642	EO Index:	113162	Element Last Seen:	2017-06-16
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2017-06-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-10-29	

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.02759 / -121.62744	Accuracy:	80 meters
UTM:	Zone-10 N4098814 E622083	Elevation (ft):	470
PLSS:	T10S, R03E, Sec. 34 (M)	Acres:	0.0

Location: ABOUT 0.3 MILES WNW OF OLEA CT AT LINARIA ST AND 1.1 MILES N OF SR 152 AT BURCHELL RD, GILROY.

Detailed Location: MAPPED TO PROVIDED COORDINATES. PROPERTY KNOWN AS LUCKY DAY RANCH.

Ecological: POND AT THE CONFLUENCE OF TWO EPHEMERAL DRAINAGES ON ACTIVE CATTLE RANCH. ABOUT 15% EMERGENT BULRUSH COVER AT MARGIN OF POND. WITHIN SPARSE OAK SAVANNAH, SERPENTINE & ANNUAL GRASSLANDS ON PROPOSED MITIGATION BANK (2017).

General: 2 LARVAE OBSERVED ON 16 JUN 2017. THIS WAS THE FIRST TIME THE SPECIES HAD BEEN DETECTED HERE IN OVER 10 YEARS OF SPORADIC SURVEYS. THE SURVEYOR HYPOTHESIZED THAT DROUGHT HAD PROMPTED DISPERSAL TO THIS SITE.

Owner/Manager: PVT

Occurrence No.	1577	Map Index:	B2280	EO Index:	114204	Element Last Seen:	2017-05-21
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2017-05-21	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2019-02-11	

Quad Summary: Chittenden (3612185)

County Summary: Santa Clara

Lat/Long:	36.90572 / -121.56063	Accuracy:	80 meters
UTM:	Zone-10 N4085381 E628231	Elevation (ft):	147
PLSS:	T12S, R04E, Sec. 8, NW (M)	Acres:	5.0

Location: POND ABOUT 0.2 MI NW OF US-101 AT THE EXIT 349 OVERPASS & 1.7 MI NE OF CA-129 AT SCHOOL RD, SARGENT RANCH.

Detailed Location: MAPPED TO PROVIDED COORDINATES. AQUATIC FEATURE #1 FROM 2017 REPORT.

Ecological: 50' X 90' X 3' HIGHLY TURBID, 20% VEGETATED CATTLE POND IN RANGELAND. TREE FROG LARVAE AND ADULTS AND ABUNDANT PACIFIC NEWT METAMORPHS ALSO OBSERVED (2017). IN PROPOSED MITIGATION AREA FOR PROPOSED QUARRY, JUST SE OF QUARRY SITE.

General: 1 TADPOLE CAUGHT AND RELEASED ON 21 MAY 2017.

Owner/Manager: PVT



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Occurrence No.	1578	Map Index: B2291	EO Index: 114214	Element Last Seen:	2017-05-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-05-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-02-15
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.9118 / -121.56519		Accuracy:	non-specific area	
UTM:	Zone-10 N4086049 E627815		Elevation (ft):	264	
PLSS:	T12S, R04E, Sec. 6, SE (M)		Acres:	32.0	
Location:	PONDS ABOUT 0.7-0.9 MI NNW OF US-101 AT THE EXIT 349 OVERPASS & 1.6-1.9 MI NE OF CA-129 AT SCHOOL RD, SARGENT RANCH.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES AND LOCATIONS FROM 2017 REPORT. FOUR AQUATIC FEATURES REPRESENTED, FROM NORTH: POND #4, #6, UNNAMED FEATURE, & POND #2.				
Ecological:	HIGHLY TURBID CATTLEPONDS ON PROPERTY USED FOR CATTLE RANCHING AND OIL EXTRACTION, WITH QUARRY PROPOSED IN 2017.				
General:	DETECTED AT ALL FOUR AQUATIC FEATURES DURING SURVEYS 2000-2015. 20-30 TADPOLES & 1 METAMORPH OBSERVED IN POND #4, ABOUT 10 TADPOLES OBSERVED IN POND #6 ON 21 MAY 2017.				
Owner/Manager:	PVT				
Occurrence No.	1579	Map Index: B2298	EO Index: 114222	Element Last Seen:	2017-05-27
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-05-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-02-13
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.92712 / -121.57573		Accuracy:	non-specific area	
UTM:	Zone-10 N4087734 E626850		Elevation (ft):	898	
PLSS:	T11S, R04E, Sec. 31, SE (M)		Acres:	40.0	
Location:	POND ABOUT 1.8 MI NNE OF CA-129 AT SCHOOL RD & 2.0 MI NW OF US-101 AT THE EXIT 349 OVERPASS, SARGENT RANCH.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES. WEST POLYGON: 2017 DETECTION AT AQUATIC FEATURE #13 FROM 2017 REPORT. EAST POLYGONS: 2000-2001/2005-2015 DETECTION LOCATIONS FROM 2017 REPORT.				
Ecological:	2000-2015: ONLY FISH FOUND AT POND #13. 2017: TURBID CATTLE POND IN RANCLAND, PORTIONS HEAVILY VEGETATED WITH CAREX, BRASS BUTTONS, & CURLY DOCK. ABUNDANT PACIFIC NEWT METAMORPHS AND TREE FROG TADPOLES ALSO PRESENT.				
General:	DETECTED IN TWO PONDS DURING 2000-2001/2005-2015 SURVEYS. FOUR LARGE TADPOLES OBSERVED ON 27 MAY 2017.				
Owner/Manager:	PVT				



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Occurrence No.	1580	Map Index: B2300	EO Index: 114224	Element Last Seen:	2017-05-27
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-05-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-02-22
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.93641 / -121.59296		Accuracy:	non-specific area	
UTM:	Zone-10 N4088743 E625301		Elevation (ft):	544	
PLSS:	T11S, R03E, Sec. 36, SW (M)		Acres:	22.0	
Location:	POND ABOUT 2.2 MI NNW OF CA-129 AT SCHOOL RD & 2.8 MI NW OF US-101 AT THE EXIT 349 OVERPASS, SARGENT RANCH.				
Detailed Location:	S-MOST POLYGON MAPPED TO COORDINATES PROVIDED FOR AQUATIC FEATURE #15 FROM 2017 REPORT. 2000-2001/2005-2015 DETECTIONS AROUND POND #15 AND AT UNNAMED FEATURE ABOUT 0.25 MILES NORTH (NORTH-MOST POLYGON).				
Ecological:	2000-2015: BULLFROGS AND FISH ALSO FOUND. 2017: TURBID CATTLE POND, 100' X 117' X >4.5' IN RANCLAND, W/ EMERGENT & SUBSURFACE VEGETATION. PACIFIC NEWT, TREE FROG, & WESTERN TOAD ALSO PRESENT. OIL EXTRACTION IN AREA.				
General:	DETECTED DURING SURVEYS 2000-2001 AND/OR 2005-2015. 20-30 ADULTS OBSERVED ON 27 MAY 2017; THE FROGS JUMPED INTO THE POND WHEN APPROACHED. NO ADULTS OR OTHER LIFE STAGES WERE CAPTURED.				
Owner/Manager:	PVT				

Occurrence No.	1581	Map Index: B2308	EO Index: 114231	Element Last Seen:	20XX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	20XX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-03-01
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.93259 / -121.60206		Accuracy:	1/10 mile	
UTM:	Zone-10 N4088307 E624496		Elevation (ft):	423	
PLSS:	T11S, R03E, Sec. 35, SE (M)		Acres:	18.0	
Location:	SARGENT RANCH, ABOUT 2.1 MILES NE OF PAJARO GAP & 2.3 MILES NNW OF CA-129 AT SCHOOL RD.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES AND MAP.				
Ecological:	PROPERTY USED FOR CATTLE RANCHING AND OIL EXTRACTION, WITH QUARRY PROPOSED IN 2017.				
General:	DETECTED DURING SURVEYS 2000-2001 AND/OR 2005-2015.				
Owner/Manager:	PVT				



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Occurrence No.	1582	Map Index: B2307	EO Index: 114232	Element Last Seen:	20XX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	20XX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-03-01
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.92943 / -121.5637		Accuracy:	non-specific area	
UTM:	Zone-10 N4088008 E627918		Elevation (ft):	523	
PLSS:	T11S, R04E, Sec. 31, SE (M)		Acres:	35.0	
Location:	SARGENT RANCH, ABOUT 2.1 - 2.5 MILES NE OF CA-129 AT SCHOOL RD & 1.4 - 1.8 MILES NNW OF US-101 AT EXIT 349.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES AND MAP.				
Ecological:	PROPERTY USED FOR CATTLE RANCHING AND OIL EXTRACTION, WITH QUARRY PROPOSED IN 2017.				
General:	DETECTED DURING SURVEYS 2000-2001 AND/OR 2005-2015.				
Owner/Manager:	PVT				
Occurrence No.	1583	Map Index: B2540	EO Index: 114469	Element Last Seen:	2017-08-02
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-08-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-03-12
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.93793 / -121.54185		Accuracy:	80 meters	
UTM:	Zone-10 N4088980 E629850		Elevation (ft):	133	
PLSS:	T11S, R04E, Sec. 33, NW (M)		Acres:	5.0	
Location:	ALONG CARNADERO CREEK ABOUT 0.9 MILES N OF THE PAJARO RIVER CONFLUENCE & 1.7 MILES SSE OF HWY 101 AT CA-25.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	SHALLOW PORTION OF CHANNEL ADJACENT TO UVAS CARNADERO CREEK. FLOWING WATER, CATTAIL PRESENT. SURROUNDING LAND USED FOR AGRICULTURE, WITH AG ACTIVITY AND DIRT ROADS DIRECTLY ADJACENT TO CHANNEL.				
General:	1 ADULT OBSERVED ON 2 AUG 2017.				
Owner/Manager:	SANTA CLARA VALLEY WATER DIST				



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Occurrence No.	1634	Map Index: B5873	EO Index: 118877	Element Last Seen:	2019-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2019-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-13
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.05731 / -121.39164		Accuracy:	non-specific area	
UTM:	Zone-10 N4102440 E643003		Elevation (ft):	1639	
PLSS:	T10S, R05E, Sec. 23, NE (M)		Acres:	22.0	
Location:	0.8 MILE NW OF KICKHAM PEAK, ELEPHANT HEAD RIDGE, 6 MILES N OF HWY 152 AND 156 JUNCTION, 14 MILES N OF HOLLISTER.				
Detailed Location:	ALONG "TURTLE CREEK." MAPPED TO COORDINATES FOR STREAM REACH PROVIDED.				
Ecological:	SEASONAL STREAM DOWNSTREAM OF OLD CORRAL POND.				
General:	ADULT AND SUBADULTS WERE SOMEWHAT COMMON IN 2017 AND 2018. SEVERAL WERE OBSERVED IN 2019; NO EVIDENCE OF REPRODUCTION OBSERVED.				
Owner/Manager:	DFG-CANADA DE LOS OSO ER				

Occurrence No.	1635	Map Index: B5874	EO Index: 118878	Element Last Seen:	2019-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2019-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-13
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.05994 / -121.40348		Accuracy:	80 meters	
UTM:	Zone-10 N4102714 E641946		Elevation (ft):	1538	
PLSS:	T10S, R05E, Sec. 15, SE (M)		Acres:	5.0	
Location:	1.4 MILES NW OF KICKHAM PEAK, SOUTH END OF PHEGLEY RIDGE, 6 MILES N OF HWY 152 & 156 JUNCTION, 14 MILES N OF HOLLISTER.				
Detailed Location:	COON HUNTER'S GULCH STREAM. MAPPED TO COORDINATES PROVIDED.				
Ecological:	SEASONAL STREAM. 2019 SURVEY OCCURRED IN VICINITY OF A 55 FOOT HIGH MULTI-STEP FALLS.				
General:	DETECTED IN 2018 AND 2019, BUT NO TADPOLES OBSERVED.				
Owner/Manager:	DPR-HENRY COE SP				



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Occurrence No.	1636	Map Index: B5876	EO Index: 118879	Element Last Seen: 20XX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2017-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2020-07-14
Quad Summary:	Gilroy Hot Springs (3712114)			
County Summary:	Santa Clara			
Lat/Long:	37.04141 / -121.39669		Accuracy: specific area	
UTM:	Zone-10 N4100668 E642584		Elevation (ft): 1612	
PLSS:	T10S, R05E, Sec. 26, NW (M)		Acres: 10.0	
Location:	0.7 MILE SW OF KICKHAM PEAK, 5 MILES N OF HWY 152 AND 156 JUNCTION, 13 MILES N OF HOLLISTER.			
Detailed Location:	UPPER, MIDDLE AND LOWER SLUMP POND. MAPPED TO COORDINATES PROVIDED.			
Ecological:	PONDS IN OPEN GRASSLAND AT THE BOTTOM OF A MAJOR LANDSLIDE. TREEFROG TADPOLES WERE ABUNDANT AND NEWT LARVAE PRESENT DURING SURVEYS IN 2017. THE PONDS WERE DRY AND PLOWED BY PIGS BY AUGUST 2017.			
General:	AUTHOR NOTED RANA DRAYTONII HAVE BEEN OBSERVED IN THE PAST, BUT NO DATE GIVEN. NONE WERE OBSERVED ON 2 APR 2017.			
Owner/Manager:	DFG-CANADA DE LOS OSO ER			
Occurrence No.	1638	Map Index: B5880	EO Index: 118884	Element Last Seen: 2019-07-29
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 2019-07-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2020-07-14
Quad Summary:	Gilroy Hot Springs (3712114)			
County Summary:	Santa Clara			
Lat/Long:	37.06903 / -121.39916		Accuracy: 80 meters	
UTM:	Zone-10 N4103729 E642313		Elevation (ft): 1498	
PLSS:	T10S, R05E, Sec. 14, NW (M)		Acres: 5.0	
Location:	POND, 0.8 MILE S OF VASQUEZ PEAK, 7 MILES N OF HWY 152 & 156 JUNCTION, 15 MILES N OF HOLLISTER.			
Detailed Location:	WILSON RANCH POND #2. MAPPED TO COORDINATES PROVIDED.			
Ecological:	SEASONAL POND THAT MAY LAST YEAR ROUND IN WET YEARS. SURROUNDED BY GRASSLAND AND OAK WOODLAND. BULLFROG TADPOLES WERE THREE TIMES AS ABUNDANT AS RED-LEGGED FROG TADPOLES. LARVAL NEWTS WERE VERY ABUNDANT AND SOME ADULTS WERE PRESENT.			
General:	1 ADULT, 5 JUVENILES, AND 25-30 LARVAE OBSERVED ON 29 JUL 2019.			
Owner/Manager:	PVT			



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Occurrence No.	1639	Map Index: B5881	EO Index: 118886	Element Last Seen:	2016-06-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2019-07-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-14
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.08486 / -121.37875		Accuracy:	80 meters	
UTM:	Zone-10 N4105516 E644097		Elevation (ft):	1696	
PLSS:	T10S, R05E, Sec. 12, NW (M)		Acres:	5.0	
Location:	POND, 0.7 MILE E OF ROCK SPRINGS PEAK AND 1 MILE NW OF GULNAC PEAK, 5 MILES NW OF BELL STATION, 16 MILES N OF HOLLISTER.				
Detailed Location:	KELLY LAKE. MAPPED TO COORDINATES PROVIDED.				
Ecological:	LARGE RESERVOIR. RECIEVED PERIODIC STOCKING OF RESCUED STEELHEAD/RAINBOW TROUT DECADES AGO. GOLDEN SHINERS WERE LIKELY INTRODUCED AS FORAGE FISH. TROUT UNABLE TO REPRODUCE AND DISAPPEARED AFTER STOCKING DISCONTINUED.				
General:	ADULTS WERE OBSERVED IN PERENNIAL POOLS DOWNSTREAM OF DAM ON 23 JUN 2016. NONE DETECTED ON 20 AUG 2018 AND 15 JUL 2019.				
Owner/Manager:	DFG-CANADA DE LOS OSO ER				

Occurrence No.	1739	Map Index: B7966	EO Index: 121044	Element Last Seen:	1978-05-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1978-05-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2021-11-29
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.80287 / -121.73491		Accuracy:	1/5 mile	
UTM:	Zone-10 N4073751 E612855		Elevation (ft):	50	
PLSS:	T13S, R02E, Sec. 15, N (M)		Acres:	70.0	
Location:	VICINITY OF LONG CANYON SOUTH OF ELKHORN SLOUGH, ABOUT 1 MILE WNW OF ELKHORN RD AT DOLAN RD, 3 MILES E OF MOSS LANDING.				
Detailed Location:	MAPPED WITH RESPECT TO PROVIDED MAPS (FIGURE 21).				
Ecological:	ADULTS AND TADPOLES WERE PREVALENT IN THE CHANNELS OF THE SLOUGH TRIBUTARY ON MR. WELLS' PROPERTY, POSSIBLY NOW OWNED BY THE STATE.				
General:	ADULTS AND TADPOLES WERE FOUND IN THIS AREA DURING DIP NET SURVEYS IN MAY 1978.				
Owner/Manager:	DFG, PVT				

<i>Rana boylei</i>	Element Code: AAABH01050				
foothill yellow-legged frog					
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3		
	State: Endangered		State: S3		
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened, USFS_S-Sensitive				
Habitat:	General: PARTLY-SHADED, SHALLOW STREAMS AND RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.				
	Micro: NEEDS AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEEDS AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.				



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Occurrence No.	168	Map Index: 40615	EO Index: 35622	Element Last Seen:	2016-04-20
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-04-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-12
Quad Summary:	Gilroy Hot Springs (3712114), Mississippi Creek (3712124)				
County Summary:	Santa Clara				
Lat/Long:	37.13489 / -121.48356		Accuracy:	non-specific area	
UTM:	Zone-10 N4110912 E634692		Elevation (ft):	1060	
PLSS:	T09S, R04E, Sec. 24 (M)		Acres:	489.0	
Location:	7 MILE STRETCH OF COYOTE CREEK, HENRY W COE STATE PARK.				
Detailed Location:	FROM EAST FORK COYOTE CREEK, 0.8 MILE UPSTREAM OF CONFLUENCE WITH MIDDLE FORK, DOWNSTREAM ALONG MAINSTEM COYOTE CREEK TO THE POINT 1.5 MILES UPSTREAM OF CANADA DE LOS OSOS. INCLUDES FELLERS SITE ID #S-723, S-723B, AND S-732.				
Ecological:	WARM, SPARSELY SHADED STREAM WITH COBBLE/GRAVEL/SAND SUBSTRATE & SYCAMORE/WILLOW RIPARIAN OVERSTORY. STREAM DRIES EXCEPT FOR A FEW POOLS IN SUMMER. CALIFORNIA ROACH, SACRAMENTO SUCKER, SACRAMENTO SQUAWFISH & WESTERN POND TURTLE ALSO FOUND.				
General:	MULTIPLE COLLECTIONS AND OBSERVATIONS MADE ALONG SECTIONS OF DRAINAGE, OF BETWEEN SEVERAL AND HUNDREDS OF INDIVIDUALS (INCLUDING ALL LIFE STAGES) IN 1966, 1986, 1992, 1993, 1994, 1995, 1998, 2003, 2004, 2006, 2010, 2012, 2013, 2015 & 2016.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	195	Map Index: 42131	EO Index: 42131	Element Last Seen:	2015-05-03
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-05-03
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	2018-07-12
Quad Summary:	Gilroy Hot Springs (3712114), Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.07766 / -121.49372		Accuracy:	non-specific area	
UTM:	Zone-10 N4104548 E633891		Elevation (ft):	800	
PLSS:	T10S, R04E, Sec. 11 (M)		Acres:	220.0	
Location:	DEXTER CANYON AND COYOTE CREEK, PALASSOU RIDGE OPEN SPACE PRESERVE, NE OF GILROY.				
Detailed Location:	INCLUDES COYOTE CREEK BETWEEN COYOTE LAKE AND CANADA DE LOS OSOS AND THE LOWER 1.4 MILES OF DEXTER CANYON CREEK.				
Ecological:	RIVERINE/RIPARIAN; ADJACENT TO COASTAL OAK WOODLAND. STREAM BARS GRAVEL WITH FEW SYCAMORES; CHANNEL EDGED WITH WILLOW. LAND USED FOR CATTLE GRAZING. OBSERVED DECLINE IN BREEDING FROGS ATTRIBUTED TO MARIJUANA OPERATION EXPANSION OR DROUGHT.				
General:	COLLECTED IN 1953 & 2002. SEEN IN 1999. 20+ ADULTS, 50+ JUVENILES IN 2000. 100 EGG MASSES, 29 JUVENILES, 32 ADULTS IN 2004-2005. 96 SEEN IN 2006-2007. 8 ADULTS, 12 JUVENILES, 45 EGG MASSES IN 2010-15.				
Owner/Manager:	SCL COUNTY, SCVWD, DPR				



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Occurrence No.	366	Map Index:	51232	EO Index:	51232	Element Last Seen:	2003-04-11
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2003-04-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-07-10	

Quad Summary: Mt. Madonna (3712116), Morgan Hill (3712126)

County Summary: Santa Clara

Lat/Long:	37.13739 / -121.73614	Accuracy:	non-specific area
UTM:	Zone-10 N4110861 E612253	Elevation (ft):	571
PLSS:	T09S, R02E, Sec. 22 (M)	Acres:	144.0

Location: LLAGAS CREEK, FROM ITS MOUTH IN CHESBRO RESERVOIR TO ABOUT 2 MILES UPSTREAM.

Detailed Location: SOUTHERN POLYGON MAPPED TO COORDINATES GIVEN FOR 2003 DETECTIONS. NORTHERN POLYGON MAPPED TO '70S-80S LOCATIONS FROM 1999 REPORT, DESCRIBED AS LLAGAS CREEK 0.5-2 MILE ABOVE HEAD OF RESERVOIR.

Ecological: 2003: OAK RIPARIAN WITHIN 15 METERS OF THE CREEK CHANNEL; CREEK BED DOMINATED BY COBBLE SUBSTRATE; FROGS WERE OBSERVED IN ASSOCIATION WITH RIFFLES IN AN AREA WITH AN OPEN CANOPY.

General: COLLECTED IN VICINITY IN 1922. OBSERVED IN MID-1970S AND 1986. 1 COLLECTED ON 12 SEP 1986. 2 ADULTS OBSERVED ON 22 MAR 2003. 1 ADULT OBSERVED ON 23 MAR 2003, ON 30 MAR 2003, AND ON 11 APR 2003.

Owner/Manager: SANTA CLARA VALLEY WATER DIST

Occurrence No.	419	Map Index:	59689	EO Index:	59725	Element Last Seen:	2004-09-18
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2004-09-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-01-27	

Quad Summary: Gilroy Hot Springs (3712114)

County Summary: Santa Clara

Lat/Long:	37.10608 / -121.45496	Accuracy:	specific area
UTM:	Zone-10 N4107757 E637284	Elevation (ft):	1250
PLSS:	T09S, R05E, Sec. 32, SW (M)	Acres:	13.4

Location: GRIZZLY GULCH CREEK, TRIBUTARY TO COYOTE CREEK, HENRY W COE STATE PARK.

Detailed Location:

Ecological: UPPER AND LOWER POOLS AT A WATERFALL ALONG AN INTERMITTENT CREEK, IN A STEEP, WOODED CANYON. CALIFORNIA RED-LEGGED FROG AND WESTERN POND TURTLE ALSO KNOWN FROM THIS SITE.

General: 1 ADULT AND ABOUT 10 METAMORPHS OBSERVED ON 18 SEP 2004.

Owner/Manager: DPR-HENRY W COE SP



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Occurrence No.	2075	Map Index: A1575	EO Index: 111806	Element Last Seen:	1898-03-31
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1898-03-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-09

Quad Summary: Mt. Madonna (3712116), Loma Prieta (3712117)

County Summary: Santa Clara

Lat/Long:	37.04356 / -121.73493	Accuracy:	non-specific area
UTM:	Zone-10 N4100453 E612499	Elevation (ft):	1000
PLSS:	T10S, R02E, Sec. 22 (M)	Acres:	271.0

Location: MURPHY CANYON, 3 MILES NW OF MOUNT MADONNA, WEST OF GILROY.

Detailed Location: STATED LOCALITY: "MURPHY CREEK N OF MT MADONNA." CANNOT LOCATE MURPHY CREEK, MAPPED TO CREEK AT MURPHY CANYON.

Ecological:

General: COLLECTED ON 31 MAR 1898. ACCORDING TO JENNINGS 1999, RANA BOYLII CONSIDERED EXTANT AT THIS SITE.

Owner/Manager: UNKNOWN

Occurrence No.	2076	Map Index: A9958	EO Index: 111808	Element Last Seen:	2006-06-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2006-06-29
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	2018-07-09

Quad Summary: Gilroy (3712115)

County Summary: Santa Clara

Lat/Long:	37.09437 / -121.51385	Accuracy:	80 meters
UTM:	Zone-10 N4106374 E632072	Elevation (ft):	1818
PLSS:	T10S, R04E, Sec. 3, E (M)	Acres:	5.0

Location: TRIBUTARY TO COYOTE CREEK, BETWEEN TIMBER RIDGE AND SHEEP RIDGE, PALASSOU RIDGE OPEN SPACE PRESERVE, EAST OF SAN MARTIN.

Detailed Location: MAPPED TO PROVIDED 2006 COORDINATES ALONG TRIBUTARY, 1.5 MILES NW OF CONFLUENCE WITH COYOTE CREEK.

Ecological: MARIJUANA CULTIVATION IN 2004 CONSISTED OF 2 GARDENS AND 1 WATER IMPOUNDMENT. EXPANDED IN 2005 TO 7 GARDENS WITH 6500 PLANTS AND 3 IMPOUNDMENTS. GONSOLIN ATTRIBUTED RANA BOYLII DECLINE FROM 2004 TO 2005 TO THIS EXPANSION.

General: 6 TO 13 ADULTS CONSISTENTLY OBSERVED DURING 2004 SURVEYS. 4 FROGS OBSERVED AND 2 CAUGHT AND RELEASED IN 2005. 1 CAUGHT AND RELEASED ON 29 JUN 2006.

Owner/Manager: SANTA CLARA VALLEY OPEN SPACE



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Occurrence No.	2077	Map Index: A9243	EO Index: 111810	Element Last Seen: 1971-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1971-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-07-09

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.0045 / -121.68184	Accuracy:	1/10 mile
UTM:	Zone-10 N4096183 E617281	Elevation (ft):	477
PLSS:	T11S, R03E, Sec. 6, SE (M)	Acres:	18.0

Location: SPRIG LAKE, NEAR JUNCTION OF HIGHWAY 152 AND BLACKHAWK CANYON ROAD, MOUNT MADONNA COUNTY PARK, WEST OF GILROY.

Detailed Location:

Ecological:

General: OBSERVED BY J. BOUNDY IN 1970 OR 1971.

Owner/Manager: SCL COUNTY

Occurrence No.	2088	Map Index: A9977	EO Index: 111830	Element Last Seen: 1909-07-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1909-07-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-07-10

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.05961 / -121.67264	Accuracy:	1 mile
UTM:	Zone-10 N4102310 E618014	Elevation (ft):	361
PLSS:	T10S, R03E, Sec. 17 (M)	Acres:	1987.0

Location: UVAS CREEK, NORTHWEST OF GILROY.

Detailed Location: GIVEN LOCATION: "UVAS CREEK," EXACT LOCATION ALONG CREEK UNKNOWN. 1915 TOPO SHOWS PRESENT DAY UVAS CREEK BETWEEN GILROY AND LITTLE ARTHUR CREEK AS CARNADERO CREEK. MOST LIKELY COLLECTED UPSTREAM OF LITTLE ARTHUR CONFLUENCE.

Ecological:

General: COLLECTED ON 8 JUL 1909. ACCORDING TO JENNINGS, RANA BOYLII IS EXTANT AT THIS SITE.

Owner/Manager: UNKNOWN



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Occurrence No.	2093	Map Index: A9997	EO Index: 111849	Element Last Seen:	2006-06-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2006-06-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-11
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.07945 / -121.46767		Accuracy:	non-specific area	
UTM:	Zone-10 N4104784 E636203		Elevation (ft):	850	
PLSS:	T10S, R05E, Sec. 7, W (M)		Acres:	47.0	
Location:	COYOTE CREEK AT HUNTING HOLLOW, 2 AIR MILES SOUTH OF GILROY HOT SPRINGS, WEST EDGE OF HENRY W COE STATE PARK.				
Detailed Location:					
Ecological:	EPHEMERAL STRETCH OF CREEK. SURFACE FLOWS NOT OBSERVED AFTER JULY IN 2003-2006. NO SUITABLE BREEDING HABITAT. RIPARIAN, ROCKY STREAMCOURSE WITH WHITE ALDER, BAY, SYCAMORE, AND BIGLEAF MAPLE.				
General:	10 ADULTS AND 31 JUVENILES OBSERVED ON 10 AUG 1992. 1 ADULT CAUGHT AND RELEASED IN 2004. 1 INDIVIDUAL OBSERVED ON 29 JUN 2006.				
Owner/Manager:	DPR, SCL COUNTY				

Occurrence No.	2095	Map Index: 98886	EO Index: 111851	Element Last Seen:	1939-08-05
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1939-08-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-11
Quad Summary:	Watsonville East (3612186), Mt. Madonna (3712116)				
County Summary:	Santa Clara, Santa Cruz				
Lat/Long:	36.99563 / -121.71774		Accuracy:	3/5 mile	
UTM:	Zone-10 N4095156 E614099		Elevation (ft):		
PLSS:	T11S, R02E, Sec. 11 (M)		Acres:	0.0	
Location:	VICINITY OF HECKER PASS, ABOUT 8 AIR MILES WEST OF GILROY.				
Detailed Location:					
Ecological:	ACCORDING TO JENNINGS, RANA BOYLII IS CONSIDERED EXTANT AT THIS SITE.				
General:	3 COLLECTED ON 5 AUG 1939.				
Owner/Manager:	UNKNOWN				

<i>Elanus leucurus</i>		Element Code: ABNKC06010	
white-tailed kite			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S3S4
	Other: BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern		
Habitat:	General: ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.		
	Micro: OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.		



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Occurrence No.	63	Map Index: 49429	EO Index: 49429	Element Last Seen:	2002-06-14
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2002-06-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-11-19
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.81804 / -121.73697		Accuracy:	80 meters	
UTM:	Zone-10 N4075431 E612649		Elevation (ft):	20	
PLSS:	T13S, R02E, Sec. 10 (M)		Acres:	0.0	
Location:	0.5 MILE WEST OF ELKHORN ROAD, BETWEEN THE MOUTHS OF STRAWBERRY CANYON AND LONG CANYON, ELKHORN SLOUGH ECO RESERVE.				
Detailed Location:					
Ecological:	NEST TREE IS A COAST LIVE OAK, WITHIN COASTAL OAK WOODLAND, ADJACENT TO WEEDY, ANNUAL GRASSLAND; ESTUARY NEARBY.				
General:	FEMALE OBSERVED SITTING ON NEST, WITH MALES NEARBY, ON 14 JUN 2002.				
Owner/Manager:	DFG-ELKHORN SLOUGH ER				
Occurrence No.	84	Map Index: 62241	EO Index: 62277	Element Last Seen:	1994-05-28
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1994-05-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-08-08
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.02526 / -121.61110		Accuracy:	1/5 mile	
UTM:	Zone-10 N4098576 E623540		Elevation (ft):	250	
PLSS:	T10S, R03E, Sec. 35 (M)		Acres:	0.0	
Location:	JUST WEST OF RANCHO HILLS DRIVE, NORTH OF MANTELLI & SOUTH OF LONGMEADOW DR. NORTHWEST OF GILROY.				
Detailed Location:					
Ecological:	OAK SAVANNAH WITH VALLEY, BLUE, COAST LIVE, AND BLACK OAKS.				
General:	ONE ADULT OBSERVED DEFENDING TERRITORY FROM RED-TAILED & RED-SHOULDERED HAWKS. NESTING IS PROBABLE.				
Owner/Manager:	PVT				
Occurrence No.	156	Map Index: 78446	EO Index: 79368	Element Last Seen:	2001-06-20
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-06-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-03-25
Quad Summary:	San Juan Bautista (3612175)				
County Summary:	Monterey				
Lat/Long:	36.78583 / -121.60416		Accuracy:	1/10 mile	
UTM:	Zone-10 N4072023 E624546		Elevation (ft):	502	
PLSS:	T13S, R03E, Sec. 23, SE (M)		Acres:	0.0	
Location:	ABOUT 0.4 MI ESE OF HIDDEN CYN RD AT CRAZY HORSE CYN RD, SALINAS.				
Detailed Location:	SOUTH END OF G. SETTRINI PROPERTY. MAPPED TO VICINITY OF COORDINATES WITHOUT STATED DAUTM.				
Ecological:	HABITAT CONSISTED OF GRASSLAND, COAST LIVE OAK WOODLAND, & MIXED CHAPARRAL. SURROUNDING LAND USED FOR CATTLE GRAZING.				
General:	2 ADULTS AND 1 JUVENILE OBSERVED ON 20 JUN 2001.				
Owner/Manager:	PVT				



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<i>Buteo swainsoni</i>		Element Code: ABNKC19070	
Swainson's hawk			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: Threatened		State: S3
	Other: BLM_S-Sensitive, IUCN_LC-Least Concern		
Habitat:	General: BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, AND AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.		
	Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.		

Occurrence No.	2831	Map Index: B8117	EO Index: 121233	Element Last Seen:	2022-04-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2022-04-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2022-04-21

Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.96959 / -121.41609	Accuracy:	specific area		
UTM:	Zone-10 N4092671 E640991	Elevation (ft):	181		
PLSS:	T11S, R05E, Sec. 15, SW (M)	Acres:	10.0		

Location:	ALONG HWY 152 (PACHECO PASS HWY) ABOUT 0.2 MILES ESE OF SAN FELIPE RD/DUNNE ST, COMMUNITY OF SAN FELIPE.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES AS A 2-PART POLYGON FOR 2018 NEST ON NORTH SIDE OF HIGHWAY AND 2019 - 2022 NEST RIGHT ALONG SOUTH SIDE OF HIGHWAY.				
Ecological:	NEST IN VALLEY OAK. SURROUNDING AREA DESCRIBED AS OAK SAVANNA NEAR FARM FIELDS (INCLUDING VINEYARDS) ADJACENT TO BUSY HIGHWAY WITH SEASONAL DISCING/MOWING IN THE AREA.				
General:	2 ADULTS SEEN PERCHING & FOOD EXCHANGE ON 3 AUG 2018; PRESUMED ON TERRITORY. NEST FLEDGED 1 YOUNG IN 2019. NEST FLEDGED 2 YOUNG IN 2020. NEST FLEDGED 3 YOUNG IN 2021. 2 ADULTS SEEN AT NEST, POSSIBLY INCUBATING, ON 17 APR 2022.				
Owner/Manager:	PVT				

Occurrence No.	2832	Map Index: B8118	EO Index: 121234	Element Last Seen:	2020-06-12
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2020-06-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2022-04-21

Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.9825 / -121.45391	Accuracy:	80 meters		
UTM:	Zone-10 N4094048 E637601	Elevation (ft):	145		
PLSS:	T11S, R05E, Sec. 18, NE (M)	Acres:	5.0		

Location:	E SIDE OF SAN FELIPE LAKE (SOAP LAKE) AND S OF HWY 152, ABOUT 2 MILES WNW OF SAN FELIPE RD AT HWY 152, W OF SAN FELIPE.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	NEST TREE APPEARS TO BE A WILLOW, IN A LINE A WILLOWS NEAR ORTEGA CREEK.				
General:	2 ADULTS NEST BUILDING IN APR 2020. 1 ADULT (PRESUMED MALE) SEEN PERCHED IN NEST TREE ON 12 JUN 2020; NEST SUCCESS UNKNOWN.				
Owner/Manager:	PVT				



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Occurrence No.	2833	Map Index: B8119	EO Index: 121235	Element Last Seen:	2020-07-26
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2020-07-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2022-04-21

Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				

Lat/Long:	36.90423 / -121.39906	Accuracy:	3/5 mile		
UTM:	Zone-10 N4085445 E642629	Elevation (ft):	200		
PLSS:	T12S, R05E, Sec. 11, W (M)	Acres:	776.0		

Location:	VICINITY OF SANTA ANA CREEK JUST SOUTH OF HWY 156, ABOUT 5.75 NORTH OF CENTRAL HOLLISTER.				
Detailed Location:	TERRITORY. MAPPED NON-SPECIFICALLY WITH RESPECT TO VARIOUS COORDINATES REPRESENTING FORAGING, PREY EXCHANGE, COURTSHIP DISPLAYS, AND POSSIBLE CHICK FEEDING AND RECENT FLEDGLING.				
Ecological:	NEEDS FIELD INVESTIGATION TO DETERMINE NEST SITE. SUSPECTED NEST TREE ALONG SANTA ANA CREEK SSE OF HWY 156 AT SAN FELIPE ROAD.				
General:	ANECDOTALLY NOTED IN AREA DURING 2019 BREEDING SEASON. ADULT COURTSHIP DISPLAY, 6 MAY 2020. PREY EXCHANGE BETWEEN ADULTS & POSSIBLE CHICK FEEDING FORAY TO TREE ALONG SANTA ANA CRK, 29 MAY 2020. 2 ADULTS, 1 JUV FORAGING, 26 JUL 2020.				
Owner/Manager:	PVT				



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Aquila chrysaetos		Element Code: ABNKC22010	
golden eagle			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S3
Habitat:	Other: BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, CDFW_WL-Watch List, IUCN_LC-Least Concern		
	General: ROLLING FOOTHILLS, MOUNTAIN AREAS, SAGE-JUNIPER FLATS, AND DESERT.		
	Micro: CLIFF-WALLED CANYONS PROVIDE NESTING HABITAT IN MOST PARTS OF RANGE; ALSO, LARGE TREES IN OPEN AREAS.		

Occurrence No.	134	Map Index:	73780	EO Index:	74751	Element Last Seen:	2001-07-18
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2001-07-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-03-04	

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey

Lat/Long:	36.79002 / -121.60998	Accuracy:	80 meters
UTM:	Zone-10 N4072480 E624020	Elevation (ft):	300
PLSS:	T13S, R03E, Sec. 23, NW (M)	Acres:	0.0

Location: CRAZY HORSE CANYON, 1.65 MI NNW OF SUGARLOAF PEAK.
Detailed Location:
Ecological: RANGELAND.
General: 1 ADULT OBSERVED NEAR A NEST SITE.
Owner/Manager: SAN JUAN RANCH

Occurrence No.	328	Map Index:	A8667	EO Index:	110460	Element Last Seen:	1967-04-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1967-04-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-03-27	

Quad Summary: Mt. Madonna (3712116), Loma Prieta (3712117), Morgan Hill (3712126), Santa Teresa Hills (3712127)
County Summary: Santa Clara

Lat/Long:	37.13565 / -121.74238	Accuracy:	1 mile
UTM:	Zone-10 N4110661 E611701	Elevation (ft):	976
PLSS:	T09S, R02E, Sec. 22 (M)	Acres:	1987.0

Location: "BECHTEL RANCH," VICINITY OF UVAS ROAD WEST OF MORGAN HILL AND ABOUT 4 MILES SOUTH OF SANTA TERESA COUNTY PARK.
Detailed Location: DFW TERRITORY CA-SC-02-GE. EXACT LOCATION OF 1967 NEST UNKNOWN, ATTEMPTS TO RELOCATE NEST IN SUBSEQUENT YEARS WERE UNSUCCESSFUL.
Ecological: OAK WOODLAND.
General: PAIR NESTED ON BECHTEL RANCH IN 1967. ACTIVE NEST DETECTED ON UNKNOWN DATE, LIKELY PRIOR TO 1970. NEST NOT FOUND IN 1970. INACTIVE IN 1971. ADULT BIRDS BUT NO NESTING OBSERVED IN 1972. LONE ADULT OBSERVED IN 1974.
Owner/Manager: PVT



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<i>Falco columbarius</i>		Element Code: ABNKD06030	
merlin			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S3S4
	Other: CDFW_WL-Watch List, IUCN_LC-Least Concern		
Habitat:	General: SEACOAST, TIDAL ESTUARIES, OPEN WOODLANDS, SAVANNAHS, EDGES OF GRASSLANDS AND DESERTS, FARMS AND RANCHES.		
	Micro: CLUMPS OF TREES OR WINDBREAKS ARE REQUIRED FOR ROOSTING IN OPEN COUNTRY.		

Occurrence No.	14	Map Index:	71847	EO Index:	72722	Element Last Seen:	2004-02-02
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2004-02-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-07-30	

Quad Summary:	Hollister (3612174)
County Summary:	San Benito

Lat/Long:	36.76419 / -121.40760	Accuracy:	80 meters
UTM:	Zone-10 N4069896 E642126	Elevation (ft):	820
PLSS:	T13S, R05E, Sec. 34, NE (M)	Acres:	0.0

Location:	SAN ANDREAS RIFT ZONE, BONANZA GULCH, ALONG CIENEGA ROAD, HOLLISTER.
Detailed Location:	HOLLISTER HILLS SVRA CAMPGROUND. MAPPED TO PROVIDED COORDINATES.
Ecological:	
General:	1 WINTING ADULT OBSERVED ON 2 FEB 2004.
Owner/Manager:	DPR-HOLLISTER HILLS SVRA



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<i>Rallus obsoletus obsoletus</i>		Element Code: ABNME05011	
California Ridgway's rail			
Listing Status:	Federal: Endangered	CNDDDB Element Ranks:	Global: G3T1
	State: Endangered		State: S1
	Other: CDFW_FP-Fully Protected, NABCI_RWL-Red Watch List		
Habitat:	General: SALT WATER AND BRACKISH MARSHES TRAVERSED BY TIDAL SLOUGHS IN THE VICINITY OF SAN FRANCISCO BAY.		
	Micro: ASSOCIATED WITH ABUNDANT GROWTHS OF PICKLEWEED, BUT FEEDS AWAY FROM COVER ON INVERTEBRATES FROM MUD-BOTTOMED SLOUGHS.		

Occurrence No.	53	Map Index:	33858	EO Index:	25842	Element Last Seen:	1978-03-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1978-03-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2005-01-31		

Quad Summary: Prunedale (3612176), Moss Landing (3612177)
County Summary: Monterey

Lat/Long:	36.81742 / -121.74310	Accuracy:	non-specific area
UTM:	Zone-10 N4075356 E612102	Elevation (ft):	
PLSS:	T13S, R02E, Sec. 10, NW (M)	Acres:	1668.4

Location: ELKHORN SLOUGH.
Detailed Location: BETWEEN KIRBY PARK AND HWY 1.
Ecological:
General: SEVERAL OBSERVED 1966-1969, NORTH OF KIRBY PARK (INCLUDES ADULTS WITH YOUNG). NONE NORTH OF KIRBY PARK IN 1972. RESIDENT POPULATION ESTIMATED TO BE 14 IN 1972. NONE OBS AT HIGH TIDE DURNG DEC '77 AND APR '78. 1 BIRD OBS IN MARCH 1978.
Owner/Manager: UNKNOWN

<i>Athene cunicularia</i>		Element Code: ABNSB10010	
burrowing owl			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4
	State: None		State: S3
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.		
	Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.		



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Occurrence No.	69	Map Index:	10589	EO Index:	25451	Element Last Seen:	1983-02-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1983-02-11	Record Last Updated:	2007-07-12
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Prunedale (3612176), Moss Landing (3612177)						
County Summary:	Monterey						
Lat/Long:	36.79641 / -121.75042			Accuracy:	non-specific area		
UTM:	Zone-10 N4073017 E611480			Elevation (ft):	60		
PLSS:	T13S, R02E, Sec. 16 (M)			Acres:	233.0		
Location:	DOLAN ROAD, ABOUT 2 MILES NORTH OF CASTROVILLE.						
Detailed Location:	UNKNOWN WHERE SEEN ALONG ROAD, SO ENTIRE ROAD MAPPED AT CNDDDB.						
Ecological:	8 IN ONE GROUP OBSERVED ON 11 FEB 1983; OWLS ARE FREQUENTLY OBSERVED HERE, BUT PREVIOUSLY NEVER MORE THAN 4 AT ONE TIME.						
General:	8 IN ONE GROUP OBSERVED ON 11 FEB 1983; OWLS ARE FREQUENTLY OBSERVED HERE, BUT PREVIOUSLY NEVER MORE THAN 4 AT ONE TIME.						
Owner/Manager:	UNKNOWN						
Occurrence No.	277	Map Index:	39735	EO Index:	34737	Element Last Seen:	1991-02-12
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:	1991-02-12	Record Last Updated:	1998-09-17
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	San Felipe (3612184)						
County Summary:	San Benito						
Lat/Long:	36.90097 / -121.45240			Accuracy:	80 meters		
UTM:	Zone-10 N4085005 E637882			Elevation (ft):	200		
PLSS:	T12S, R05E, Sec. 08 (M)			Acres:	0.0		
Location:	0.1 MILE NW OF THE INTERSECTION OF SPRR TRACKS AND HUDNER LANE, 2 MILES WNW OF HOLLISTER AIRPORT.						
Detailed Location:	BURROW IS LOCATED IN A BERM ALONG THE RAILROAD TRACKS.						
Ecological:	BERM WHERE BURROW IS LOCATED IS SPARSELY VEGETATED; ADJACENT TO CULTIVATED ROW CROPS. MOST OF SURROUNDING AREA IS DOMINATED BY CULTIVATED AGRICULTURAL FIELDS.						
General:	1 ADULT OBSERVED AT THE BURROW SITE ON 12 FEBRUARY 1991, AND AGAIN ON 17 FEBRUARY 1991.						
Owner/Manager:	PVT-SPRR						
Occurrence No.	278	Map Index:	39736	EO Index:	34738	Element Last Seen:	1992-09-XX
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:	2007-06-21	Record Last Updated:	2008-03-05
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	San Felipe (3612184), Chittenden (3612185)						
County Summary:	San Benito						
Lat/Long:	36.92410 / -121.50141			Accuracy:	80 meters		
UTM:	Zone-10 N4087501 E633475			Elevation (ft):	760		
PLSS:	T12S, R04E, Sec. 02 (M)			Acres:	0.0		
Location:	1.75 MILES SSE OF HWY 25 CROSSING OVER THE PAJARO RIVER, SSE OF GILROY.						
Detailed Location:	BURROW SITE FOUND ALONG THE DRAINAGE DITCH BETWEEN THE CULTIVATED FIELD AND IRRIGATED PASTURE.						
Ecological:	BURROW SITE IS SURROUNDED BY AGRICULTURAL CROPS (HAY) AND GRAZED FIELDS.						
General:	BURROW SITE APPEARED ACTIVE IN SEPTEMBER 1992. BURROW HABITAT AT THIS SITE IS DESTROYED FROM AG DISKING UP THE EDGE OF THE IRRIGATION DITCH & TO THE ROAD, 21 JUN 2007.						
Owner/Manager:	PVT						



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Occurrence No.	279	Map Index:	39737	EO Index:	34739	Element Last Seen:	1994-03-10
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:			2007-06-21
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2008-03-05

Quad Summary: Chittenden (3612185)

County Summary: San Benito

Lat/Long:	36.93144 / -121.51345	Accuracy:	80 meters
UTM:	Zone-10 N4088298 E632390	Elevation (ft):	760
PLSS:	T11S, R04E, Sec. 34 (M)	Acres:	0.0

Location: 1.2 MILES SOUTH OF HWY 25 CROSSING OVER THE PAJARO RIVER, SSE OF GILROY.

Detailed Location: BURROW IS LOCATED ALONG THE WEST SIDE OF THE ROAD.

Ecological: BURROW SITE IS SURROUNDED BY AGRICULTURAL CROPS (HAY) AND GRAZED FIELDS.

General: 1 ADULT BIRD OBSERVED USING THE BURROW ON 1 MARCH 1994 AND AGAIN ON 10 MARCH 1994, BUT NEVER SEEN AFTER THAT. BURROW HABITAT AT THIS SITE IS DESTROYED FROM AG DISKING UP THE THE EDGE OF THE IRRIGATION DITCH AND TO THE ROAD, 21 JUN 2007.

Owner/Manager: PVT

Occurrence No.	280	Map Index:	39739	EO Index:	34741	Element Last Seen:	2009-11-30
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:			2009-11-30
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2009-12-15

Quad Summary: Gilroy (3712115), Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.03436 / -121.62945	Accuracy:	specific area
UTM:	Zone-10 N4099563 E621894	Elevation (ft):	320
PLSS:	T10S, R03E, Sec. 27 (M)	Acres:	44.0

Location: VICINITY OF THE SOUTH END OF JEAN ELLEN DR AND, UNDEVELOPED AREA TO THE WEST, APPROXIMATELY 3 MILES WNW OF GILROY.

Detailed Location: CENTER OF SEC 27. IN 1993 THE LOCATION WAS STATED AS "VASQUEZ RANCH" & SPECIFICALLY OBSERVED ABOUT 570 FT EAST OF SOUTH END JEAN ELLEN DR. IN 2009 THE LOCATION WAS STATED AS "LUCKY DAY RANCH GROUP" & OBSERVED THROUGHOUT GRAPHIC FEATURE.

Ecological: HABITAT CONSISTED OF GRAZED GRASSLAND WITH ROCK OUTCROPPINGS AND "A HEALTHY GROUND SQUIRREL POPULATION." OTHER SPECIES INCLUDE AMERICAN BADGER (2ND HAND), LOGGERHEAD SHRIKE, YELLOW-BILLED MAGPIE, SAY'S PHOEBE, GOLDEN EAGLE, & AM. KESTREL.

General: 2 ADULTS OBSERVED AT A BURROW SITE ON 16 JAN 1993. 5 INDIVIDUALS WERE OBSERVED AT BURROWS AND FORAGING ON 30 NOV 2009.

Owner/Manager: PVT



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Occurrence No.	281	Map Index: 39740	EO Index: 34742	Element Last Seen:	1992-12-24
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1992-12-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1998-09-17
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.05335 / -121.62963		Accuracy:	80 meters	
UTM:	Zone-10 N4101668 E621848		Elevation (ft):	600	
PLSS:	T10S, R03E, Sec. 22 (M)		Acres:	0.0	
Location:	LUCKY DAY RANCH, 0.6 MILE NORTH OF DAY ROAD AND 0.3 MILE SE OF LIONS PEAK, SOUTH OF MORGAN HILL.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF NON-NATIVE GRASSLAND, DOMINATED BY FILAREE, FOXTAIL, AVENA, ETC, ON A 15-DEGREE SOUTH SLOPE.				
General:	1 ADULT OBSERVED AT THE BURROW SITE ON 24 DECEMBER 1992.				
Owner/Manager:	PVT				
Occurrence No.	435	Map Index: 46635	EO Index: 47125	Element Last Seen:	2001-02-02
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2001-02-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-01-30
Quad Summary:	Chittenden (3612185)				
County Summary:	San Benito				
Lat/Long:	36.88725 / -121.54035		Accuracy:	2/5 mile	
UTM:	Zone-10 N4083359 E630069		Elevation (ft):	242	
PLSS:	T12S, R04E, Sec. 16 (M)		Acres:	0.0	
Location:	ABOUT 1 MILE EAST OF THE JUNCTION OF HIGHWAY 101 AND THE SAN BENITO RIVER, EAST OF THE SAN JUAN VALLEY.				
Detailed Location:	SITE IS LOCATED ON THE O'CONNELL RANCH, 0.25 MILE EAST ON BETABEL ROAD, OFF HIGHWAY 101.				
Ecological:	HABITAT CONSISTS OF GRAZED OAK WOODLAND/GRASSLAND, INTERSPESED BY SEASONAL ARROYOS WHICH DRAIN INTO THE SAN BENITO RIVER ON THE SOUTH BORDER OF THE SITE. THOUSANDS OF GROUND SQUIRREL BURROWS ARE PRESENT.				
General:	1 ADULT OBSERVED ON 1 FEB 2001, AND A SECOND ADULT OBSERVED ON 2 FEB 2001, ALONG WITH MANY BURROWS.				
Owner/Manager:	PVT				
Occurrence No.	622	Map Index: 51854	EO Index: 51854	Element Last Seen:	2002-08-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-08-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-07-28
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.11100 / -121.65484		Accuracy:	80 meters	
UTM:	Zone-10 N4108033 E619515		Elevation (ft):	440	
PLSS:	T09S, R03E, Sec. 33, NW (M)		Acres:	0.0	
Location:	0.4 MILE NNE OF THE INTERSECTION OF EDMUNDSON AVENUE AND SUNNYSIDE AVENUE, MORGAN HILL.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND.				
General:	6 BURROWS WITH EVIDENCE OF RECENT BURROWING OWL USE (FEATHERS, AND WHITEWASH) OBSERVED ON 8 AUG 2002; PRESUMABLY, THESE BURROWS WERE USED FOR BREEDING IN 2002.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	648	Map Index:	53662	EO Index:	53662	Element Last Seen:	2003-07-03
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2008-07-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-09-28	
Quad Summary:	San Felipe (3612184)						
County Summary:	San Benito						
Lat/Long:	36.93397 / -121.44131			Accuracy:	80 meters		
UTM:	Zone-10 N4088682 E638810			Elevation (ft):	160		
PLSS:	T11S, R05E, Sec. 32, E (M)			Acres:	0.0		
Location:	0.9 MILE ESE OF THE INTERSECTION OF SHORE RD & FRAZIER LAKE RD, JUST W OF TEQUISQUITA SLOUGH, 7 MILES NW OF HOLLISTER.						
Detailed Location:	SITE AT NE END OF DIRT ROAD ON EAST SIDE OF FRAZIER LAKE RD. MAPPED TO COORDINATES PROVIDED FROM 2008.						
Ecological:	SPARSE GRASSES (BERMUDA), MIXED HERBACEOUS VEGETATION, & SCATTERED SHRUBS (BACCHARIS SP) LOCATED IN A HABITAT PATCH BETWEEN A CULTIVATED AG FIELD, A GAS PIPELINE R-O-W, & WETLANDS. SITE QUALITY CONSIDERED "GOOD" IN 2003, & "POOR" IN 2008.						
General:	3 ADULTS & 4 JUVENILES OBSERVED ON 4 JUL 2003; 1 FAMILY GROUP WITH JUVENILES 5+ WEEKS-OLD & FULLY CAPABLE OF FLIGHT. SITE REVISITED ON 1 JUL 2008 & NO OWLS OBSERVED; ABSENCE OF GRAZING HAS REDUCED HABITAT SUITABILITY COMPARED TO 2003.						
Owner/Manager:	UNKNOWN						
Occurrence No.	773	Map Index:	64210	EO Index:	64305	Element Last Seen:	2009-06-17
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2009-06-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-12-23	
Quad Summary:	San Felipe (3612184)						
County Summary:	San Benito						
Lat/Long:	36.94436 / -121.44911			Accuracy:	specific area		
UTM:	Zone-10 N4089823 E638096			Elevation (ft):	160		
PLSS:	T11S, R05E, Sec. 29, SW (M)			Acres:	11.0		
Location:	ALONG WEST SIDE OF LAKE RD WEST TO PRIVATE ROAD (PIPELINE), ABOUT 0.2 MI NORTH OF SHORE RD AND 8 MI SOUTHEAST OF GILROY.						
Detailed Location:	BURROWS WITHIN 50 FEET OF PRIVATE ROAD (LIKELY THE DIRT DOUBLE TRACK IN AERIALS & PIPELINE ON TOPO). OCCURRENCE MAPPED TO LOCATION ON MAP (2000) AND DISTANCE (525 FT WEST) FROM COORDINATES ON LAKE RD (2009).						
Ecological:	HABITAT CONSISTS OF LEVEL ANNUAL GRASSLAND THAT IS CATTLE GRAZED. NUMEROUS GROUND SQUIRREL COLONIES IN AREA. SURROUNDING LAND CONSISTED OF: GRAZING, AGRICULTURE, AND LOW DENSITY RURAL HOUSING.						
General:	1 ADULT AND 7 JUVENILES OBSERVED ON 6 JUL 2000; SOME JUV SEEN EMERGING FROM 2 BURROWS, OTHERS ABOVE GROUND. 2 ADULTS OBSERVED FROM ROADWAY ON 17 JUN 2009; UNABLE TO DETERMINE BURROWS & JUVENILES DUE TO PRIVATE PROPERTY.						
Owner/Manager:	PVT						



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Occurrence No.	1030	Map Index: 70994	EO Index: 71912	Element Last Seen:	2006-02-02
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2006-02-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-03-05
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.81947 / -121.46389		Accuracy:	80 meters	
UTM:	Zone-10 N4075947 E637003		Elevation (ft):	370	
PLSS:	T13S, R05E, Sec. 07 (M)		Acres:	0.0	
Location:	1.65 MILES SSE OF THE INTERSECTION OF FLINT ROAD AND HIGHWAY 156, SAN JUAN OAKS GOLF COURSE.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF UNGRAZED ANNUAL GRASSLAND WITH RUDERAL PATCHES.				
General:	1 OWL OBS BETWEEN 31 JAN & 2 FEB USING GROUND SQUIRREL BURROW ADJACENT TO DIRT ACCESS ROAD & 1 BURROW UNDER A SMALL OAK, AT EDGE OF GOLF COURSE FAIRWAY. BIRD NOT SEEN AFTER 2 FEB 2006.				
Owner/Manager:	PVT-SAN JUAN OAKS GOLF COURSE				
Occurrence No.	1223	Map Index: 76432	EO Index: 77388	Element Last Seen:	2009-06-17
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2009-06-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-09-08
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.97298 / -121.46535		Accuracy:	specific area	
UTM:	Zone-10 N4092976 E636599		Elevation (ft):	145	
PLSS:	T11S, R05E, Sec. 18, SW (M)		Acres:	9.0	
Location:	ABOUT 0.5 MILE SSW OF SAN FELIPE LAKE ALONG DIRT ACCESS ROAD EAST OF LAKE RD, 2.5 MI WEST OF SAN FELIPE.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES JUST EAST OF LAKE RD AND 0.7 MI SOUTH OF BM160 ALONG PACHECO PASS HWY (SR 152).				
Ecological:	GRAZED GRASSLAND.				
General:	ONE ADULT AT BURROW ON 18 JUL 2008. TWO ADULT PAIRS (ONE WITH AT LEAST 3 JUV) OBSERVED ON 17 JUN 2009.				
Owner/Manager:	PVT				
Occurrence No.	1224	Map Index: 76438	EO Index: 77391	Element Last Seen:	2008-07-18
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2008-07-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-09-08
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.96802 / -121.46677		Accuracy:	80 meters	
UTM:	Zone-10 N4092424 E636482		Elevation (ft):	145	
PLSS:	T11S, R05E, Sec. 19, NW (M)		Acres:	0.0	
Location:	JUST WEST OF LAKE RD ABOUT 1 MILE SOUTH OF BM160 ALONG PACHECO PASS HWY (SR 152), 2.6 MILES WEST OF SAN FELIPE.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	GRAZED GRASSLAND LESS THAN 4 INCHES TALL.				
General:	TWO ADULTS OBSERVED ON PRIVATE LAND (UNABLE TO CONFIRM EXACT BURROW LOCATION) ON TWO VISITS, 1 & 18 JUL 2008.				
Owner/Manager:	PVT				



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Occurrence No.	1225	Map Index:	76441	EO Index:	77393	Element Last Seen:	2008-06-27
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2008-06-27	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-09-09	
Quad Summary:	San Felipe (3612184)						
County Summary:	San Benito						
Lat/Long:	36.94943 / -121.45107			Accuracy:	80 meters		
UTM:	Zone-10 N4090384 E637912			Elevation (ft):	155		
PLSS:	T11S, R05E, Sec. 29, NW (M)			Acres:	0.0		
Location:	ALONG LAKE RD 0.5 MI NNW OF SHORE RD, JUST WEST OF TEQUISQUITA SLOUGH AND 2.2 MI WNW OF DUNNEVILLE.						
Detailed Location:	NEST BURROW ABOUT 130 FEET WEST OF LAKE RD (COORDINATES ALONG ROAD PROVIDED); MAPPED AS BEST AS POSSIBLE TO TRUE LOCATION.						
Ecological:	GRAZED GRASSLAND LESS THAN 4 INCHES TALL.						
General:	TWO ADULTS AND 3 JUVENILES OBSERVED ON 27 JUN 2008.						
Owner/Manager:	UNKNOWN						

<i>Riparia riparia</i>	Element Code: ABPAU08010						
bank swallow							
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G5		
	State:	Threatened		State:	S2		
	Other:	BLM_S-Sensitive, IUCN_LC-Least Concern					
Habitat:	General:	COLONIAL NESTER; NESTS PRIMARILY IN RIPARIAN AND OTHER LOWLAND HABITATS WEST OF THE DESERT.					
	Micro:	REQUIRES VERTICAL BANKS/CLIFFS WITH FINE-TEXTURED/SANDY SOILS NEAR STREAMS, RIVERS, LAKES, OCEAN TO DIG NESTING HOLE.					

Occurrence No.	121	Map Index:	10978	EO Index:	25174	Element Last Seen:	1931-06-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1931-06-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2011-11-23	
Quad Summary:	Chittenden (3612185)						
County Summary:	San Benito, Santa Clara						
Lat/Long:	36.89741 / -121.56320			Accuracy:	1 mile		
UTM:	Zone-10 N4084456 E628015			Elevation (ft):	125		
PLSS:	T12S, R04E, Sec. 07 (M)			Acres:	0.0		
Location:	BETABEL, SANTA CLARA COUNTY.						
Detailed Location:	COLLECTED FROM NEST IN "BANK OF RAILROAD CUT."						
Ecological:							
General:	TWO EGG SETS COLLECTED BY W.E. UNGLISH ON 28 MAY AND 6 JUN 1931. EGG SETS LOCATED AT WFVZ.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	176	Map Index:	87730	EO Index:	88694	Element Last Seen:	1962-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2012-12-21
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			

Quad Summary: Watsonville East (3612186), Watsonville West (3612187)
County Summary: Monterey, Santa Cruz

Lat/Long:	36.91050 / -121.75519	Accuracy:	1 mile
UTM:	Zone-10 N4085667 E610890	Elevation (ft):	30
PLSS:	T12S, R02E, Sec. 04 (M)	Acres:	0.0

Location: WATSONVILLE.
Detailed Location: LOCATION ONLY STATED "WATSONVILLE." MAPPED TO WATSONVILLE POST OFFICE. EXACT LOCATION UNKNOWN. COLONY MAY HAVE BEEN LOCATED ALONG THE PAJARO RIVER OR OTHER CREEK/SLOUGH IN AREA. SINCE COLONY ID WAS #SZ02, PROBABLY SANTA CRUZ CO SIDE.

Ecological:

General: DFG COLONY #SZ02. COLONY NOTED FOR SUMMER OF 1954. COLONY WITH 25 BIRDS NOTED FOR SUMMER OF 1962. FURTHER RESEARCH/INVESTIGATION NEEDED TO DETERMINE IF EXTANT OR EXTIRPATED.
Owner/Manager: UNKNOWN

Occurrence No.	290	Map Index:	84349	EO Index:	85380	Element Last Seen:	1922-06-03
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2011-11-23
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.84376 / -121.42390	Accuracy:	1 mile
UTM:	Zone-10 N4078700 E640526	Elevation (ft):	270
PLSS:	T12S, R05E, Sec. 33 (M)	Acres:	0.0

Location: SAN BENITO RIVER, NEAR HOLLISTER.
Detailed Location: LOCATION STATED AS "SAN BENITO RIVER; HOLLISTER; NEAR." EXACT LOCATION UNKNOWN; MAPPED TO THE AREA OF THE SAN BENITO RIVER NEAR HOLLISTER.

Ecological:

General: SIX EGG SETS COLLECTED ON 20 MAY 1922. FOUR EGG SETS COLLECTED ON 3 JUN 1922. RESEARCH NEEDED.
Owner/Manager: UNKNOWN

<i>Vireo bellii pusillus</i>		Element Code: ABPBW01114
least Bell's vireo		
Listing Status:	Federal: Endangered	CNDDB Element Ranks: Global: G5T2
	State: Endangered	State: S2
Other:	IUCN_NT-Near Threatened, NABCI_YWL-Yellow Watch List	
Habitat:	General: SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.	
	Micro: NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.	



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Occurrence No.	198	Map Index: 44352	EO Index: 44352	Element Last Seen:	2001-05-18
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2001-05-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-01-23

Quad Summary: Chittenden (3612185), Gilroy (3712115)
County Summary: San Benito, Santa Clara

Lat/Long:	36.98371 / -121.52283	Accuracy:	non-specific area
UTM:	Zone-10 N4094085 E631465	Elevation (ft):	170
PLSS:	T11S, R04E, Sec. 10 (M)	Acres:	217.3

Location: LLAGAS CREEK, FROM HIGHWAY 152 TO THE PAJARO RIVER CONFLUENCE, EAST OF GILROY.
Detailed Location: DATA NOT SPECIFIC AS TO WHERE THE BIRDS WERE SEEN, SO ENTIRE REACH WAS MAPPED.
Ecological: HABITAT CONSISTS OF DENSE, MULTI-STORY VALLEY FOOTHILL RIPARIAN, DOMINATED BY WILLOWS.
General: 1-2 OBSERVED DURING 9-13 JUN 1997 SURVEY. WEEKLY SITE VISITS MADE, FROM 17 MAY-10 JUL 2001; 3 ADULTS OBSERVED ON 17-18 MAY 2001.
Owner/Manager: SANTA CLARA VALLEY WATER DIST

Occurrence No.	503	Map Index: 91503	EO Index: 92581	Element Last Seen:	2001-06-12
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2001-06-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-02-10

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey

Lat/Long:	36.83000 / -121.61999	Accuracy:	1/5 mile
UTM:	Zone-10 N4076902 E623063	Elevation (ft):	630
PLSS:	T13S, R03E, Sec. 03, SE (M)	Acres:	0.0

Location: ABOUT 1.1 MILES NE OF HWY 101 AT CRAZY HORSE CANYON RD, 4.7 MILES W OF SAN JUAN BAUTISTA, LOS CARNEROS.
Detailed Location: MAPPED GENERALLY TO PROVIDED COORDINATES. NO DATUM WAS PROVIDED FOR COORDINATES. DETECTION WAS MADE ABOUT 0.25 MILE N OF NEAREST DRAINAGE (UNNAMED) IN UPLAND HABITAT. LOCATION AT THE WESTERN EDGE OF EXPECTED RANGE.
Ecological: HABITAT WAS RIPARIAN FOREST DOMINATED BY WILLOWS AND SURROUNDED BY GRASSLAND, CHAPARRAL, AND COAST LIVE OAK WOODLAND. COOPER'S HAWK, YELLOW WARBLER, AND CALIFORNIA RED-LEGGED FROG ALSO DETECTED IN THE VICINITY.
General: 2 BREEDING ADULTS AND 1 JUVENILE OBSERVED MULTIPLE TIMES ON 12 JUN 2001.
Owner/Manager: PVT



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Occurrence No.	504	Map Index:	91508	EO Index:	92584	Element Last Seen:	1932-04-29
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1932-04-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-02-18	
Quad Summary:	Chittenden (3612185)						
County Summary:	San Benito, Santa Clara						
Lat/Long:	36.92240 / -121.54299		Accuracy:	1 mile			
UTM:	Zone-10 N4087256 E629774		Elevation (ft):	120			
PLSS:	T12S, R04E, Sec. 04 (M)		Acres:	0.0			
Location:	SARGENT, PAJARO RIVER, NEAR HWY 101 INTERSECTION, ABOUT 5.3 MILES S OF GILROY, SE END OF SANTA CRUZ MOUNTAINS.						
Detailed Location:	MAPPED GENERALLY TO PROVIDED LOCATION DESCRIPTION. WFVZ EGG COLLECTION STATED AS "PAJARO RIVER, GILROY." CONDOR ARTICLE STATED "...TAKEN NEAR SARGENT, SANTA CLARA COUNTY..."						
Ecological:	NEST CONSTRUCTED IN DENSE WILLOW THICKET ABOUT 18 INCHES ABOVE GROUND. NEST MATERIALS INCLUDED LIGHT-COLORED BLADES OF GRASS AND PLANT WITH FINE PIECES OF FIBRE.						
General:	EGG SET CONSISTING OF 4 EGGS COLLECTED (WFVZ #31088) ON 19 OR 29 APR 1932 BY W.E. UNGLISH; EGG INCUBATION DESCRIBED AS "HEAVY."						
Owner/Manager:	UNKNOWN						
<i>Agelaius tricolor</i> Element Code: ABPBXB0020							
tricolored blackbird							
Listing Status:	Federal:	None		CNDDB Element Ranks:	Global:	G1G2	
	State:	Threatened			State:	S1S2	
Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, NABCI_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern						
Habitat:	General:	HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.					
	Micro:	REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.					
Occurrence No.	169	Map Index:	10980	EO Index:	24673	Element Last Seen:	1989-04-15
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2000-04-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-11-01	
Quad Summary:	Chittenden (3612185)						
County Summary:	Santa Clara						
Lat/Long:	36.9178 / -121.5632		Accuracy:	80 meters			
UTM:	Zone-10 N4086718 E627982		Elevation (ft):	320			
PLSS:	T12S, R04E, Sec. 5, SW (M)		Acres:	5.0			
Location:	SARGENT CREEK, 1.5 MI N OF CONFLUENCE OF SAN BENITO RIVER & PAJARO RIVER.						
Detailed Location:	LOCATION DESCRIBED AS "ALONG SARGENT CREEK, 1.45 MILES NORTH OF THE CONFLUENCE OF THE PAJARO RIVER AND THE SAN BENITO RIVER." MAPPED ACCORDING TO PROVIDED MAP.						
Ecological:	TULE MARSH WITH APPROXIMATELY 30 PERCENT OPEN WATER (STOCK POND), SURROUNDED BY GRASSLANDS. HABITAT CONVERTED TO ARTICHOKE FIELD.						
General:	AN ESTIMATED 700 MALES AND 450 FEMALES OBSERVED ON 15 APR 1989; MANY FEMALES CARRYING NEST MATERIAL, MALES WERE DISPLAYING. 0 BIRDS OBSERVED ON 24 APR 1994, 23 APR 1995, AND 22 APR 2000.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	170	Map Index:	10977	EO Index:	24672	Element Last Seen:	1989-04-15
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2000-04-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-11-01	
Quad Summary:	Chittenden (3612185)						
County Summary:	Santa Clara						
Lat/Long:	36.9146 / -121.5642			Accuracy:	80 meters		
UTM:	Zone-10 N4086361 E627898			Elevation (ft):	293		
PLSS:	T12S, R04E, Sec. 6, SW (M)			Acres:	5.0		
Location:	SARGENT CREEK, 1.25 MI N OF CONFLUENCE OF SAN BENITO RIVER & PAJARO RIVER.						
Detailed Location:	LOCATION DESCRIBED AS "SARGENT CREEK, 1.25 MILES NORTH OF THE CONFLUENCE OF THE PAJARO RIVER AND THE SAN BENITO RIVER." MAPPED ACCORDING TO PROVIDED MAP.						
Ecological:	CATTAIL MARSH WITH A FEW WILLOWS SURROUNDED BY GRASSLAND; NO OPEN WATER. HABITAT CONVERTED TO ARTICHOKE FIELD.						
General:	AN ESTIMATED 150 MALES AND 200 FEMALES OBSERVED ON 15 APR 1989; MANY FEMALES CARRYING NEST MATERIAL, MALES WERE DISPLAYING. 0 BIRDS OBSERVED ON 24 APR 1994, 23 APR 1995, AND 22 APR 2000.						
Owner/Manager:	UNKNOWN						
Occurrence No.	284	Map Index:	24441	EO Index:	6590	Element Last Seen:	2000-06-27
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2014-04-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-10-06	
Quad Summary:	San Juan Bautista (3612175)						
County Summary:	Monterey						
Lat/Long:	36.7751 / -121.6028			Accuracy:	1/10 mile		
UTM:	Zone-10 N4070834 E624686			Elevation (ft):	234		
PLSS:	T13S, R03E, Sec. 26, NE (M)			Acres:	18.0		
Location:	AREA JUST NE OF SAN JUAN GRADE RD & CRAZY HORSE CANYON RD INTERSECTION, 3.5 MI E OF PRUNEDALE.						
Detailed Location:	LOCATION GENERALLY DESCRIBED AS NE OF JUNCTION OF OLD SAN JUAN GRADE AND CRAZY HORSE ROAD. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "CRAZY HORSE POND."						
Ecological:	HABITAT IN 1971 DESCRIBED ONLY AS "MARSH." POND DRY IN 1994. DAM WAS BLOWN OUT IN WINTER OF 1995, SEEMED TO HOLD MORE WATER AFTERWARD.						
General:	1K OBS IN 1971. 0 OBS IN 1994. 0 OBS 1995 & 1996. 55 OBS 6 MAY 1999; PRESUMED NESTING. 0 OBS ON 21 APR, 300-500 OBS 27 JUN 2000; CARRYING FOOD & FLEDGLINGS OUT OF NESTS. 60 OBS 26 APR 2008; NESTING UNK. 0 OBS 20 APR 2014.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	285	Map Index: 24445	EO Index: 6577	Element Last Seen:	1960-04-30
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2014-04-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-10-10
Quad Summary:	Watsonville East (3612186)				
County Summary:	Monterey				
Lat/Long:	36.88071 / -121.74169		Accuracy:	non-specific area	
UTM:	Zone-10 N4082378 E612136		Elevation (ft):	20	
PLSS:	T12S, R02E, Sec. 22, NW (M)		Acres:	34.8	
Location:	ABOUT 0.3 MI ENE OF ELKHORN RD & WERNER RD INTERSECTION, 0.7 MI WSW OF GARLIN RD & LEWIS RD INTXN, WARNER LAKE.				
Detailed Location:	1960 LOCATION DESCRIBED ONLY AS "WARNER LAKE (1.6 MI S BY E OF PAJARO IN THE EXTREME NORTHERN PORTION OF MONTEREY COUNTY)." COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "WARNER LAKE."				
Ecological:	HABITAT IN 1960 WAS A WIDE BELT OF TALL TULE MARSH BORDERING POND OF SEVERAL ACRES. WATER PRESENT IN LAKE, MANY REEDS BUT NO TRBL IN 2014. COLONY PRESUMED EXTIRPATED BY BEEDY (1991).				
General:	1K'S OF BIRDS OBS FLYING TO & FROM COLONY ON 30 APR 1960; M MORE EVIDENT THAN F IN FLOCKS COMMUTING TO LOW GRASSY HILLS TO S, MANY M IN MARSH WERE SINGING. 0 ON 22 JUN 1963, 21 APR & 20 MAY 1995, 20 APR 1996, 23 APR 2000, & 20 APR 2014.				
Owner/Manager:	UNKNOWN				
Occurrence No.	392	Map Index: 53963	EO Index: 53963	Element Last Seen:	2003-06-13
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2014-04-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-06
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Cruz				
Lat/Long:	36.90608 / -121.60845		Accuracy:	specific area	
UTM:	Zone-10 N4085358 E623970		Elevation (ft):	152	
PLSS:	T12S, R03E, Sec. 11, NW (M)		Acres:	13.0	
Location:	SOUTH END OF SODA LAKE, 1 MILE SE OF PAJARO GAP, 7 MILES SOUTH OF GILROY.				
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAP AND COORDINATES. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "SODA LAKE." PRIVATE PROPERTY INACCESSIBLE IN 2014; NOT VIEWABLE FROM PUBLIC ROADS.				
Ecological:	HABITAT CONSISTED OF A FORMER WETLAND THAT IS NOW FUNCTIONING AS A SEDIMENT BASIN FOR A QUARRY OPERATION; THE SOUTHERN EDGE CONTAINED A DENSE GROWTH OF CATTAILS AND BULRUSH, AND PATCHY WILLOW THICKETS. WATER LEVEL VARIABLE, BUT USUALLY >2'.				
General:	~1000 BIRDS IN VARIOUS STAGES OF NESTING OBSERVED ON 13 JUN 2003; MALES SINGING/DEFENDING TERRITORIES, FEMALES FEEDING FLEDGLINGS AND CARRYING NEST MATERIAL. 0 OBSERVED ON 19 APR 2014.				
Owner/Manager:	PVT-GRANITE ROCK, PVT				



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Occurrence No.	729	Map Index:	98553	EO Index:	100005	Element Last Seen:	2013-04-28
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2013-04-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-12-17	
Quad Summary:	Gilroy Hot Springs (3712114)						
County Summary:	Santa Clara						
Lat/Long:	37.04030 / -121.42099			Accuracy:	80 meters		
UTM:	Zone-10 N4100508 E640424			Elevation (ft):	1160		
PLSS:	T10S, R05E, Sec. 28, NE (M)			Acres:	0.0		
Location:	ABOUT 1.9 MI ENE OF CANADA RD & JAMIESON RD INTERSECTION, 2 MI WSW OF KICKHAM PEAK.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED COORDINATES. ONLY MINOR NATURAL DISTURBANCES/THREATS. POND LIES IN AREA BETWEEN HENRY W. COE STATE PARK AND CANADA DE LOS OSOS ECOLOGICAL RESERVE.						
Ecological:	POND (TOOTH LAKE). CATTAILS, COYOTE BRUSH, WILLOWS, AND GRASSES AROUND POND. OAK GRASSLAND SURROUNDING. LARGEMOUTH BASS AND BLUEGILLS IN POND. RED-WINGED BLACKBIRDS ALSO NEST HERE. DEER AND PIGS USE SITE EXTENSIVELY & VARIOUS WATERFOWL.						
General:	UNKNOWN NUMBER OF BIRDS NESTED AT THE POND FOR THE FIRST TIME IN 2012. AT LEAST 150 ADULTS AND 300 JUVENILES OBSERVED ON 28 APR 2013, NESTING.						
Owner/Manager:	DFG						
Occurrence No.	852	Map Index:	A0341	EO Index:	101900	Element Last Seen:	1963-06-22
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1963-06-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-06-30	
Quad Summary:	Prunedale (3612176), Moss Landing (3612177)						
County Summary:	Monterey						
Lat/Long:	36.8526 / -121.7478			Accuracy:	1 mile		
UTM:	Zone-10 N4079253 E611633			Elevation (ft):	96		
PLSS:	T12S, R02E, Sec. 33 (M)			Acres:	1987.0		
Location:	ELKHORN SLOUGH, 1.3 MI E OF HWY 1 & JOHNSON RD INTERSECTION.						
Detailed Location:	1963 LOCATION DESCRIBED ONLY AS "HALL AND VICINITY, NORTHEAST OF ELKHORN SLOUGH." COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "ELKHORN SLOUGH." MAPPED AT NE CORNER OF ELKHORN SLOUGH, NEAR LAS LOMAS.						
Ecological:	HABITAT INFORMATION NOT PROVIDED. COLONY PRESUMED EXTIRPATED BY BEEDY (1991).						
General:	AN ESTIMATED 300 BIRDS OBSERVED ON 22 JUN 1963 (COGSWELL PERS. COMM.); MALES AND FEMALES FLYING TO AND FROM PRESUMED NESTING COLONY ON LAS LOMAS RANCH.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	853	Map Index:	A0342	EO Index:	101902	Element Last Seen:	1932-05-21
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1932-05-21	Record Last Updated:	2016-06-06
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.8069 / -121.725			Accuracy:	1 mile		
UTM:	Zone-10 N4074210 E613733			Elevation (ft):	70		
PLSS:	T13S, R02E, Sec. 14 (M)			Acres:	1987.0		
Location:	ABOUT 3.4 MI NE OF HWY 1 & HWY 156 INTERSECTION, 3.4 MI WNW OF HWY 101 & HWY 156 INTERSECTION, NE OF CASTROVILLE.						
Detailed Location:	1932 COLONY LOCATION DESCRIBED ONLY AS "3.5 MILES NORTHEAST OF CASTROVILLE." MAPPED CLOSER TO 3.5 MILES NNE OF HISTORIC CASTROVILLE WHERE POTENTIAL SLOUGHS WERE PRESENT. UNCLEAR IF 2014 SURVEY WAS AT THE SAME LOCATION AS 1932 LOCATION.						
Ecological:	1932 HABITAT WAS DESCRIBED AS TULE ALONG SLOUGH. 0 OBSERVED ON 18 APR 2014, LOCATION SURVEYED WAS ABOUT 3.5 MI NE OF CATROVILLE NEAREST THE ONLY POTENTIAL HABITAT.						
General:	A COLONY COMPOSED OF ABOUT 3,000 NESTS OBSERVED ON 21 MAY 1932 (NEFF 1937).						
Owner/Manager:	UNKNOWN						
Occurrence No.	854	Map Index:	A0344	EO Index:	101905	Element Last Seen:	2000-05-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2014-04-19	Record Last Updated:	2016-06-06
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			
Quad Summary:	Hollister (3612174), San Juan Bautista (3612175)						
County Summary:	San Benito						
Lat/Long:	36.8613 / -121.5014			Accuracy:	1/5 mile		
UTM:	Zone-10 N4080534 E633586			Elevation (ft):	199		
PLSS:	T12S, R04E, Sec. 26, W (M)			Acres:	70.0		
Location:	S SIDE OF SAN BENITO RIVER, 0.5 MI NE OF LUCY BROWN LN & DUNCAN AVE INTXN, 0.7 MI NW OF DUNCAN AVE & BIXBY RD INTXN.						
Detailed Location:	2000 LOCATION DESCRIBED AS "E OF SJB (SAN JUAN BAUTISTA) ON HWY 156 TO LUCY BROWN LN N TO DUNCAN AVE, EAST 0.4 MI, THEN NORTH." COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "DUNCAN AVENUE."						
Ecological:	HABITAT COMPOSED OF CATTAILS. THE OCCUPIED AREA ROUGHLY RECTANGULAR, SOUTH SIDE OF SAN BENITO RIVER.						
General:	FORAGING FLOCK FIRST OBSERVED ON 2 MAY 2000. AN ESTIMATED 400 BIRDS OBSERVED ON 28 MAY 2000; SOME ADULTS CARRYING NEST MATERIAL, PRESUMED NESTING. 0 BIRDS OBSERVED ON 19 APR 2014.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	855	Map Index:	A0349	EO Index:	101909	Element Last Seen:	2000-04-19
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2014-04-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-10-20	

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.83369 / -121.45277	Accuracy:	non-specific area
UTM:	Zone-10 N4077540 E637971	Elevation (ft):	258
PLSS:	T13S, R05E, Sec. 5, NW (M)	Acres:	38.0

Location: 0.6 AIR MILES SSE OF HWY 156 & UNION RD INTERSECTION, 3 AIR MILES WSW OF HOLLISTER POST OFFICE.

Detailed Location: LOCATIONS DESCRIBED AS "WEST SIDE OF UNION ROAD, 0.5 MILE SOUTH OF 156 (HWY)" & "UNION RD NEAR INTERSECTION W/ HWY 156, MCCORMICK SELPH, INC... 3601 UNION RD." COLONY DATA STORED IN THE UCD TRBL PORTAL; SITE NAME WAS "TELEDYNE POND."

Ecological: CATTAIL POND. POND WAS BUILT IN APPROXIMATELY 1971 BY THE COMPANY "TELEDYNE" WHICH MANUFACTURED SEPARATION DEVICES FOR ROCKETS TO REDUCE THEIR FIRE INSURANCE. ACCESS LIMITED.

General: ABOUT 25 BIRDS OBSERVED ON 15 MAY 1996; BIRDS OBS FLYING IN THE DIRECTION OF POND, POSSIBLY CARRYING FOOD. 18 FEMALES OBSERVED NEST BUILDING ON 19 APR 2000; FLOCKS OF MALES (6-42 BIRDS) ALSO OBS FLYING FROM POND. 0 OBS ON 19 APR 2014.

Owner/Manager: PVT

Occurrence No.	856	Map Index:	A0350	EO Index:	101910	Element Last Seen:	2000-04-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2014-04-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-10-19	

Quad Summary: San Felipe (3612184)

County Summary: San Benito, Santa Clara

Lat/Long:	36.98165 / -121.46084	Accuracy:	non-specific area
UTM:	Zone-10 N4093944 E636986	Elevation (ft):	144
PLSS:	T11S, R05E, Sec. 18, NE (M)	Acres:	161.0

Location: ON S SIDE OF HWY 152, ABOUT 1.7 MILES E OF BLOOMFIELD AVE INTERSECTION, SAN FELIPE LAKE.

Detailed Location: 1987 LOCATION GIVEN ONLY AS "SAN FELIPE LAKE," EXACT LOCATION UNKNOWN. 2000 LOCATION WAS AT THE N BORDER OF LAKE, ADJACENT TO HWY 152. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "SAN FELIPE LAKE (#2)."

Ecological: HABITAT IN 2000 COMPOSED OF BULRUSHES. SITE VISITED ON 21 APR 2014 BUT TOO WINDY TO NOTICE BIRDS. MAPPED TO THE ENTIRETY OF HISTORIC LAKE BOUNDARY.

General: 5+ OBSERVED ON 5 MAR AND 2,000 OBSERVED ON 14 APR 1987; SINGING MALES ON TERRITORY, BREEDING UNKNOWN. 0 OBSERVED ON 20 APR 1995 & 24 APR 1996. 54 OBSERVED ON 24 APR 2000; MALES SINGING AND DISPLAYING. 0 OBSERVED ON 19 APR 2014.

Owner/Manager: UNKNOWN



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Occurrence No.	857	Map Index: A0351	EO Index: 101911	Element Last Seen:	1997-04-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2000-04-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-10-05
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.9825 / -121.4689		Accuracy:	1/10 mile	
UTM:	Zone-10 N4094026 E636267		Elevation (ft):	162	
PLSS:	T11S, R05E, Sec. 18, NW (M)		Acres:	18.0	
Location:	ON S SIDE OF HWY 152, ABOUT 1.3 MI E OF BLOOMFIELD AVE INTERSECTION, BETTENCOURT DAIRY, W OF SAN FELIPE LAKE.				
Detailed Location:	1997 LOCATION DESCRIBED AS "BETTENCOURT DAIRY, 152 (HWY), JUST NW OF SAN FELIPE LAKE, OBSERVED FROM GATED ROAD JUST E OF DAIRY, SOUTH OF 152." COLONY DATA STORED IN THE UCD TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "BETTENCOURT DAIRY."				
Ecological:	NESTING SUBSTRATE WAS WATER HEMLOCK/POISON HEMLOCK. PLENTY OF WATER IN LAKE 0.25 MILES E. POTENTIAL HEMLOCK VISIBLE IN GOOGLE STREET VIEW, NEAR GATE ON E SIDE OF DAIRY.				
General:	ABOUT 250 FEMALES & 300 MALES OBS ON 27 APR 1997; PRESUMED NESTING, NO BEHAVIOR NOTES SUBMITTED, BUT SURVEYOR DID FILL OUT THE "NESTING" SECTION OF THE FIELD SURVEY FORM VERSUS THE "NON-NESTING SECTION." 0 BIRDS OBS ON 21 & 24 APR 2000.				
Owner/Manager:	PVT				
Occurrence No.	858	Map Index: A0352	EO Index: 101912	Element Last Seen:	1997-04-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2014-04-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-07
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.9334 / -121.4233		Accuracy:	1/5 mile	
UTM:	Zone-10 N4088645 E640416		Elevation (ft):	174	
PLSS:	T11S, R05E, Sec. 33, E (M)		Acres:	70.0	
Location:	ABOUT 0.5 MI SSE OF SHORE RD & FRYE LN INTERSECTION, 0.8 MI SW OF SHORE RD & SAN FELIPE RD INTXN, SW OF DUNNEVILLE.				
Detailed Location:	1997 LOCATION WAS "E SIDE FRYE LANE, 0.5 MI S OF SHORE RD, DIRECTLY ACROSS FROM PIGSTY." COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "FRYE LANE."				
Ecological:	HABITAT APPEARED TO BE BULRUSHES; SOME OPEN WATER AMID TULE. RED-WINGED BLACKBIRDS NESTING IN THE AREA IN 2000.				
General:	ANECDOTALLY REPORTED AS NESTING IN 1996. AN ESTIMATED 150 FEMALES & 250 MALES OBSERVED ON 27 APR 1997; SINGING AND CARRYING NEST MATERIAL. 1 MALE OBSERVED BETWEEN 21-24 APR 2000. 0 BIRDS OBSERVED ON 19 APR 2014.				
Owner/Manager:	PVT				



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Occurrence No.	864	Map Index:	A0373	EO Index:	101931	Element Last Seen:	2000-04-21
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2014-04-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-10-06	
Quad Summary:	San Juan Bautista (3612175)						
County Summary:	Monterey						
Lat/Long:	36.7637 / -121.6192			Accuracy:	1/10 mile		
UTM:	Zone-10 N4069548 E623241			Elevation (ft):	212		
PLSS:	T13S, R03E, Sec. 34, NE (M)			Acres:	18.0		
Location:	ABOUT 0.3 MI NNW OF SAN JUAN GRADE RD & HEBERT RD INTERSECTION, N OF GABILAN ACRES.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAPS AND GENERAL LOCATION DESCRIPTION OF 0.1 MI E OF HEBERT RD, AND N SIDE OF SAN JUAN GRADE RD. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "HEBERT ROAD POND."						
Ecological:	NESTING SUBSTRATE WAS CATTAIL AND BULRUSH/TULE. PRIVATE POND TOTALLY SURROUNDED BY AGRICULTURE, FORAGING AREAS IN GRASSLANDS 1-3 MI DISTANT.						
General:	800 OBS NESTING ON 23 APR 1994. 400 OBS NESTING ON 21 APR 1995; 10 OBS ON 20 MAY. 0 OBS IN APR & 15 MAY 1996. 650 OBS NESTING ON 6 MAY 1999. 35 OBS NESTING ON 21 APR 2000; CARRYING FOOD. 0 OBS ON 22 APR 2000, 24 APR 2011, AND 20 APR 2014.						
Owner/Manager:	UNKNOWN						

Occurrence No.	992	Map Index:	A2297	EO Index:	103906	Element Last Seen:	1996-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2000-04-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-10-20	
Quad Summary:	Hollister (3612174)						
County Summary:	San Benito						
Lat/Long:	36.8137 / -121.3855			Accuracy:	2/5 mile		
UTM:	Zone-10 N4075422 E644007			Elevation (ft):	322		
PLSS:	T13S, R05E, Sec. 11, SE (M)			Acres:	280.0		
Location:	ABOUT 1 MI S OF SOUTHSIDE RD & UNION RD INTERSECTION, 1.2 MI W OF HWY 25 & FAIRVIEW RD INTERSECTION, RIDGEMARK.						
Detailed Location:	LOCATION DESCRIBED AS "SOUTHSIDE ROAD, ~0.9 MILE FROM INTERSECTION WITH UNION RD." COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "GRANITE ROCK POND." MAPPED TO THE LOCATION IN THE PORTAL.						
Ecological:	EXTENSIVE MARSH IN 1996. HABITAT CHANGED BY HEAVY RAINS IN 1997 AND 1998; MARSH FLOODED. NESTING HABITAT NO LONGER PRESENT.						
General:	REPORTED AS NESTING IN 1996. 0 BIRDS OBSERVED ON 24 APR 2000.						
Owner/Manager:	PVT						

<i>Oncorhynchus mykiss irideus pop. 9</i>			Element Code: AFCHA0209H				
steelhead - south-central California coast DPS							
Listing Status:	Federal:	Threatened	CNDDB Element Ranks:	Global:	G5T2Q		
	State:	None		State:	S2		
	Other:	AFS_TH-Threatened					
Habitat:	General:	FEDERAL LISTING REFERS TO RUNS IN COASTAL BASINS FROM THE PAJARO RIVER SOUTH TO, BUT NOT INCLUDING, THE SANTA MARIA RIVER.					
	Micro:	<input type="checkbox"/>					



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Occurrence No.	20	Map Index: 41525	EO Index: 41525	Element Last Seen:	1998-06-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1998-06-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1999-08-26
Quad Summary:	Gilroy (3712115), Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.01348 / -121.63039		Accuracy:	non-specific area	
UTM:	Zone-10 N4097244 E621844		Elevation (ft):	240	
PLSS:	T10S, R03E, Sec. 34 (M)		Acres:	247.4	
Location:	UVAS & BODFISH CREEKS, 1 MILE UP & DOWNSTREAM OF HWY 152, ABOUT 3.5 MILES WEST OF GILROY AT JCT OF HIGHWAYS 152 & 101.				
Detailed Location:	UVAS CREEK SAMPLED 1 MILE U/S & D/S OF HWY 152 CROSSING. BODFISH CREEK, 1 MILE U/S OF 152. SAMPLES PREVENTED FROM GOING FURTHER DUE TO DENIED ACCESS.				
Ecological:	RIPARIAN OVERSTORY: LIVE AND VALLEY OAK, MULEFAT, COYOTE BUSH, SYCAMORE, ELDERBERRY. STREAMBED: SAND, GRAVEL, COBBLE, BOULDER. PRIMARY AQUATIC VEG, ALGAE. TYPE: RUN, RIFFLE (DEEP CUT CHANNEL SIDES).				
General:	THE AREA WAS INDICATED AS A SALMONID REARING AREA, WITH 1000'S SAMPLED IN BODFISH CREEK, AND OVER 30 IN UVAS CREEK.				
Owner/Manager:	UNKNOWN				
Occurrence No.	28	Map Index: 63065	EO Index: 63138	Element Last Seen:	1996-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1996-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-11-02
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.02963 / -121.68577		Accuracy:	specific area	
UTM:	Zone-10 N4098967 E616891		Elevation (ft):	400	
PLSS:	T10S, R03E, Sec. 30, S (M)		Acres:	14.8	
Location:	LITTLE ARTHUR CREEK, 2 MILES ABOVE MOUTH; SOUTH OF UVAS RESERVOIR AND NORTH OF MT. MADONNA COUNTY PARK.				
Detailed Location:	SITE OF PROPOSED LITTLE ARTHUR CREEK COUNTY PARK EQUESTRIAN STAGING AREA. STEELHEAD REARING HABITAT EXISTS BETWEEN BOULDER FALLS (1/2 MILE UPSTREAM OF THE END OF REDWOOD RETREAT RD) AND PICKEL RESERVOIR.				
Ecological:	HABITAT CONSISTS OF A PERENNIAL STREAM.				
General:	SOME ADULT STEELHEAD WERE OBSERVED ABOVE DAM DURING SUMMER OF 1993; HOWEVER, NO JUVENILE STEELHEAD WERE OBSERVED AT PARK SITE (OR 3 BRIDGES UPSTREAM) DURING AUGUST 1993. JUVENILE STEELHEAD WERE OBSERVED AT THE PARK SITE DURING 1996.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	29	Map Index: 70922	EO Index: 71875	Element Last Seen:	2007-08-25
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2007-08-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-28

Quad Summary: Chittenden (3612185)

County Summary: Santa Clara

Lat/Long:	36.92845 / -121.54674	Accuracy:	80 meters
UTM:	Zone-10 N4087922 E629429	Elevation (ft):	144
PLSS:	T11S, R04E, Sec. 32, SE (M)	Acres:	0.0

Location: JUNCTION OF TAR CREEK AND HIGHWAY 101, 5.5 MILES SOUTH OF GILROY.

Detailed Location: POND LOCATED 100 M DOWN STREAM FROM CULVERT. LOCATION MAPPED ACCORDING TO COORDINATES GIVEN.

Ecological: HABITAT CONSISTS OF AN ISOLATED POND IN TAR CREEK.

General: 1 ADULT STEELHEAD (0.75 M IN LENGTH) OBSERVED ON 25 AUG 2007. ADIPOSE FIN INTACT.

Owner/Manager: UNKNOWN

Occurrence No.	39	Map Index: B5862	EO Index: 118866	Element Last Seen:	2017-11-19
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-11-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-10

Quad Summary: Three Sisters (3612183), San Felipe (3612184), Pacheco Peak (3712113)

County Summary: San Benito, Santa Clara

Lat/Long:	36.98615 / -121.38274	Accuracy:	non-specific area
UTM:	Zone-10 N4094558 E643929	Elevation (ft):	264
PLSS:	T11S, R05E, Sec. 12 (M)	Acres:	1077.0

Location: 16 MI OF LOWER PACHECO CREEK FROM SAN FELIPE LAKE GENERALLY NE TO BELOW NORTH FORK DAM (PACHECO LAKE), N OF HOLLISTER.

Detailed Location: MAPPED TO ABOUT 16 MILES OF CREEK IN SANTA CLARA AND HOLLISTER VALLEYS AND ALONG HIGHWAY 152 (PACHECO PASS HWY) NEAR CASA DE FRUTA WITH RESPECT TO NMFS SURVEY SEGMENTS 103, 104, 105, 106, AND 107.

Ecological: SPAWNING HABITAT WAS PRESENT THROUGHOUT AND VARIED FROM POOR TO GOOD CONDITION. REARING HABITAT WAS PRESENT IN 4 OF 5 SEGMENTS IN POOR TO FAIR CONDITION. MIGRATION HABITAT WAS PRESENT THROUGHOUT AND IN FAIR TO GOOD CONDITION.

General: SURVEYD BY NMFS BIOLOGIST "WLS" ON 27 JAN 2004. 4 JUVENILES REARING IN STREAM DETECTED BY NMFS BIOLOGIST DURING A 0.2 MILE SURVEY STRETCH JUST SOUTH OF BELL STATION ON 19 NOV 2017.

Owner/Manager: UNKNOWN



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Occurrence No.	40	Map Index: B5865	EO Index: 118869	Element Last Seen:	2004-01-27
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2004-01-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-10
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.94014 / -121.44284		Accuracy:	non-specific area	
UTM:	Zone-10 N4089364 E638663		Elevation (ft):	157	
PLSS:	T11S, R05E, Sec. 32 (M)		Acres:	418.0	
Location:	TEQUISQUITA SLOUGH FROM SAN FELIPE LAKE SOUTH TO HIGHWAY 156, NORTH OF HOLLISTER.				
Detailed Location:	MAPPED TO 6 MILES OF TEQUISQUITA SLOUGH WITH RESPECT TO NMFS SURVEY SEGMENT 120.				
Ecological:	SPAWNING HABITAT AND REARING HABITAT ABSENT. MIGRATION HABITAT WAS PRESENT IN POOR CONDITION.				
General:	SURVEYD BY NMFS BIOLOGIST "WLS" ON 27 JAN 2004.				
Owner/Manager:	UNKNOWN				
Occurrence No.	41	Map Index: B5866	EO Index: 118870	Element Last Seen:	2004-01-29
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2004-01-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-10
Quad Summary:	Mariposa Peak (3612182), Three Sisters (3612183), San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.88623 / -121.31202		Accuracy:	non-specific area	
UTM:	Zone-10 N4083581 E650419		Elevation (ft):	557	
PLSS:	T12S, R06E, Sec. 16 (M)		Acres:	761.0	
Location:	ARROYO DOS PICACHOS FROM HWY 156 UPSTREAM (EAST) TO ITS HEADWATERS NEAR THREE SISTERS, NE OF HOLLISTER.				
Detailed Location:	MAPPED TO 11 MILES OF ARROYO DOS PICACHOS FROM HWY 156 UPSTREAM (EAST) TO ITS HEADWATERS NEAR THREE SISTERS. NMFS SURVEY SEGMENTS 237 AND 238.				
Ecological:	BELOW (WEST) LONE TREE CREEK SPAWNING HABITAT AND REARING HABITAT WERE ABSENT, AND MIGRATORY HABITAT WAS FAIR. ABOVE (EAST) LONE TREE CREEK SPAWNING AND REARING HABITAT WAS GOOD AND MIGRATORY HABITAT WAS POOR.				
General:	SURVEYD BY NMFS BIOLOGIST "WLS" ON 29 JAN 2004.				
Owner/Manager:	UNKNOWN				



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<i>Lavinia exilicauda harengus</i>		Element Code: AFCJB19013	
Monterey hitch			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4T3
	State: None		State: S3
	Other: CDFW_SSC-Species of Special Concern		
Habitat:	General: <input type="checkbox"/>		
	Micro: <input type="checkbox"/>		
Occurrence No.	2	Map Index: B6467	EO Index: 119478
Occ. Rank:	Unknown	Presence: Presumed Extant	Element Last Seen: 2018-09-05
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Site Last Seen: 2018-09-05
			Record Last Updated: 2020-11-17
Quad Summary:	San Benito (3612151), Bickmore Canyon (3612152), Cherry Peak (3612162), Paicines (3612163), Tres Pinos (3612173), Hollister (3612174), San Juan Bautista (3612175), Moss Landing (3612177), Three Sisters (3612183), San Felipe (3612184), Chittenden (3612185), Watsonville East (3612186), Watsonville West (3612187), Pacheco Peak (3712113), Gilroy (3712115), Mt. Madonna (3712116)		
County Summary:	Monterey, San Benito, Santa Clara, Santa Cruz		
Lat/Long:	36.84736 / -121.42611	Accuracy:	non-specific area
UTM:	Zone-10 N4079096 E640323	Elevation (ft):	250
PLSS:	T12S, R05E, Sec. 33 (M)	Acres:	7851.0
Location:	PAJARO RIVER, UVAS CREEK, LLAGAS CREEK, PACHECO CREEK, TRES PINOS CREEK, AND SAN BENITO RIVER.		
Detailed Location:	MAPPED NON-SPECIFICALLY ALONG 135 MILES OF THESE DRAINAGES FROM THE HIGHEST CONFIRMED DETECTION POINTS DOWNSTREAM TO THE MOUTH OF THE PAJARO RIVER.		
Ecological:			
General:	MANY HISTORIC DETECTIONS HAVE BEEN MADE IN THIS DRAINAGES. MORE RECENTLY, HITCH HAVE BEEN FOUND IN 1997, 2000, 2005, AND 2018.		
Owner/Manager:	UNKNOWN		



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<i>Hesperoleucus venustus subditus</i>		Element Code: AFCJB19032	
southern coastal roach			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: GNRT2
	State: None		State: S2
	Other: CDFW_SSC-Species of Special Concern		
Habitat:	General: FOUND IN THE DRAINAGES OF TOMALES BAY AND NORTHERN SAN FRANCISCO BAY IN THE NORTH, AND DRAINAGES OF MONTEREY BAY IN THE SOUTH.		
	Micro: <input type="checkbox"/>		

Occurrence No.	6	Map Index:	A8820	EO Index:	110614	Element Last Seen:	2000-09-02
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2000-09-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-03-28	

Quad Summary: Mt. Madonna (3712116), Morgan Hill (3712126)
County Summary: Santa Clara

Lat/Long:	37.13679 / -121.73608	Accuracy:	non-specific area
UTM:	Zone-10 N4110795 E612259	Elevation (ft):	570
PLSS:	T09S, R02E, Sec. 22 (M)	Acres:	233.0

Location: LLAGAS CREEK, ABOVE (NW OF) CHESBRO RESERVOIR.
Detailed Location: MAPPED TO INCLUDE AREAS HIGHLIGHTED ON TOPO MAPS ATTACHED TO FIELD SURVEY FORMS. SPECIMEN LOCALITIES GIVEN AS "UPPER LLAGAS CR.; ISOLATED POOL" AND "UPSTREAM OF LLAGAS RES."
Ecological: SEPTEMBER 2000: CREEK BED WAS DRY WITH ISOLATED POOLS, SOME CONTAINING LOTS OF FILAMENTOUS ALGAE.
General: 27 TRAPPED AND COLLECTED ON 21 FEB 2000. 371 COLLECTED (AT LEAST SOME SALVAGED) ON 2 SEP 2000.
Owner/Manager: UNKNOWN

<i>Lasiurus cinereus</i>		Element Code: AMACC05030	
hoary bat			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G3G4
	State: None		State: S4
	Other: IUCN_LC-Least Concern, WBWG_M-Medium Priority		
Habitat:	General: PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER AND OPEN AREAS OR HABITAT EDGES FOR FEEDING.		
	Micro: ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.		

Occurrence No.	92	Map Index:	68528	EO Index:	68855	Element Last Seen:	1945-04-22
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1945-04-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2007-03-19	

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey, San Benito

Lat/Long:	36.84046 / -121.59302	Accuracy:	1 mile
UTM:	Zone-10 N4078098 E625451	Elevation (ft):	
PLSS:	T12S, R03E, Sec. 36 (M)	Acres:	0.0

Location: 3 MILES WEST OF SAN JUAN BATISTA.
Detailed Location: MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 12207.008 M.
Ecological:
General: 2 MALE SPECIMENS (MVZ #102049-102050) COLLECTED BY WALTER W. DALQUEST ON 22 APR 1945.
Owner/Manager: UNKNOWN



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Occurrence No.	93	Map Index: 46517	EO Index: 68856	Element Last Seen:	1938-03-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1938-03-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-19
Quad Summary:	Chittenden (3612185), Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.00911 / -121.57151		Accuracy:	1 mile	
UTM:	Zone-10 N4096836 E627089		Elevation (ft):		
PLSS:	T11S, R04E, Sec. 06 (M)		Acres:	0.0	
Location:	GILROY.				
Detailed Location:	MAPPED TO INCLUDE COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 1609.344 M.				
Ecological:					
General:	1 MALE SPECIMEN (MVZ #108034) COLLECTED BY H.R.E. ON 17 MAR 1938.				
Owner/Manager:	UNKNOWN				
Occurrence No.	94	Map Index: 68529	EO Index: 68857	Element Last Seen:	1937-04-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1937-04-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-21
Quad Summary:	San Felipe (3612184), Chittenden (3612185), Gilroy Hot Springs (3712114), Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.01179 / -121.50722		Accuracy:	1 mile	
UTM:	Zone-10 N4097222 E632804		Elevation (ft):		
PLSS:	T11S, R04E, Sec. 02 (M)		Acres:	0.0	
Location:	3 MILES EAST OF GILROY.				
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 1609.344 M.				
Ecological:					
General:	1 MALE SPECIMEN (MVZ #108035) COLLECTED BY G. BREM JR. ON 14 APR 1937.				
Owner/Manager:	UNKNOWN				



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<i>Lasiurus blossevillii</i>		Element Code: AMACC05060	
western red bat			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4
	State: None		State: S3
	Other: CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, WBWG_H-High Priority		
Habitat:	General: ROOSTS PRIMARILY IN TREES, 2-40 FT ABOVE GROUND, FROM SEA LEVEL UP THROUGH MIXED CONIFER FORESTS.		
	Micro: PREFERS HABITAT EDGES AND MOSAICS WITH TREES THAT ARE PROTECTED FROM ABOVE AND OPEN BELOW WITH OPEN AREAS FOR FORAGING.		
Occurrence No.	83	Map Index: 24659	EO Index: 69772
Occ. Rank:	Unknown	Presence: Presumed Extant	Element Last Seen: 1998-06-25
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Site Last Seen: 1998-06-25
			Record Last Updated: 2007-04-19
Quad Summary:	Hollister (3612174)		
County Summary:	San Benito		
Lat/Long:	36.84822 / -121.40233	Accuracy:	1 mile
UTM:	Zone-10 N4079226 E642441	Elevation (ft):	
PLSS:	T12S, R05E, Sec. 34 (M)	Acres:	0.0
Location:	HOLLISTER.		
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED IN GENERAL VICINITY OF HOLLISTER.		
Ecological:			
General:	BAT(S) DETECTED ON 25 JUN 1998.		
Owner/Manager:	UNKNOWN		



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<i>Corynorhinus townsendii</i>		Element Code: AMACC08010	
Townsend's big-eared bat			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4
	State: None		State: S2
Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority		
Habitat:	General: THROUGHOUT CALIFORNIA IN A WIDE VARIETY OF HABITATS. MOST COMMON IN MESIC SITES.		
	Micro: ROOSTS IN THE OPEN, HANGING FROM WALLS AND CEILINGS. ROOSTING SITES LIMITING. EXTREMELY SENSITIVE TO HUMAN DISTURBANCE.		

Occurrence No.	359	Map Index:	92261	EO Index:	93363	Element Last Seen:	1990-09-23
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1990-09-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-06-25	

Quad Summary: Hollister (3612174), San Juan Bautista (3612175)
County Summary: Monterey, San Benito

Lat/Long:	36.75728 / -121.50431	Accuracy:	2/5 mile
UTM:	Zone-10 N4068990 E633505	Elevation (ft):	2900
PLSS:	T13S, R04E, Sec. 35, SW (M)	Acres:	0.0

Location: FREMONT PEAK. ABOUT 3.2 MI S OF SAN JUAN CANYON ROAD AT QUINN CANYON ROAD AND ABOUT 5.1 MI ESE OF SUGARLOAF PEAK.
Detailed Location: LOCALITY ON SPECIMEN RECORDS AND IN FIELD NOTES INDICATE A CAVE AT FREMONT PEAK ON THE N END OF GABILAN RANGE; MAPPED GENERALLY TO FREMONT PEAK TO INCLUDE TUNNELS JUST TO THE WSW ON TOPO MAPS.
Ecological:
General: 1939: 1 COLLECTED 16 APR, 2 COLLECTED 17 MAY, 1 COLLECTED 28 OCT (MVZ #107963-107966). 1940: 1 COLLECTED ON 11 FEB (MVZ #107967). 1949: 2 COLLECTED 25 AUG (MVZ #114541, 114542). 1990: 2 MALES OBSERVED ON 23 SEP.
Owner/Manager: DPR-SP

Occurrence No.	360	Map Index:	92263	EO Index:	93366	Element Last Seen:	1946-03-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1946-03-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-10-31	

Quad Summary: San Felipe (3612184)
County Summary: San Benito, Santa Clara

Lat/Long:	36.98800 / -121.45379	Accuracy:	1/5 mile
UTM:	Zone-10 N4094658 E637601	Elevation (ft):	160
PLSS:	T11S, R05E, Sec. 08, SW (M)	Acres:	0.0

Location: ABOUT 0.9 MI ENE OF HWY 152 (PACHECO PASS HWY) AT LAKE ROAD AND ABOUT 2.25 MI NW OF SAN FELIPE.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED TO LOCALITY IN SPECIMEN RECORDS AND FIELD NOTES OF 2.25 MI NW OF SAN FELIPE (ON THE TOPO MAP) JUST PAST SAN FELIPE LAKE, COMING FROM GILROY ON PACHECO PASS ROAD.
Ecological: COLLECTED FROM AN ADBANDONED BUILDING WHICH DOESN'T APPEAR TO EXIST ANY LONGER.
General: 1 MALE COLLECTED ON 13 JUN 1945 BY W, DALQUEST IN OLD ABANDONED HOUSE ATTIC (MVZ #103188). 1 MALE COLLECTED ON 28 MAR 1946 FROM THE SAME HOUSE BY S. BENSON (MVZ #105190).
Owner/Manager: UNKNOWN



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<i>Antrozous pallidus</i>		Element Code: AMACC10010	
pallid bat			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4
	State: None		State: S3
Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority		
Habitat:	General:	DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS AND FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.	
	Micro:	ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.	

Occurrence No.	246	Map Index:	66575	EO Index:	66712	Element Last Seen:	1949-08-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1949-08-28	Record Last Updated:	2006-10-03
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary:	San Juan Bautista (3612175)						
County Summary:	San Benito						
Lat/Long:	36.86068 / -121.60912		Accuracy:	non-specific area			
UTM:	Zone-10 N4080320 E623983		Elevation (ft):	250			
PLSS:	T12S, R03E, Sec. 26 (M)		Acres:	67.0			
Location:	1.4 MI NE MONTEREY COUNTY LINE, HIGHWAY 101.						
Detailed Location:	MAPPED ACCORDING TO LOCATION DESCRIPTION, AS LAT/LONG COORDINATES GIVEN ARE ABOUT 0.25 MI NORTH OF HWY 101. MAPPED ALONG HWY 101 JUST E OF VICINITY OF PINECATE PEAK.						
Ecological:							
General:	1 MALE SPECIMEN COLLECTED BY ANITA K. PEARSON ON 28 AUG 1949, MVZ #114547.						
Owner/Manager:	UNKNOWN						

Occurrence No.	252	Map Index:	46517	EO Index:	66719	Element Last Seen:	1938-06-20
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1938-06-20	Record Last Updated:	2006-10-04
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Chittenden (3612185), Gilroy (3712115)						
County Summary:	Santa Clara						
Lat/Long:	37.00911 / -121.57151		Accuracy:	1 mile			
UTM:	Zone-10 N4096836 E627089		Elevation (ft):	200			
PLSS:	T11S, R04E, Sec. 06 (M)		Acres:	0.0			
Location:	GILROY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED IN THE VICINITY OF GILROY.						
Ecological:							
General:	1 FEMALE SPECIMEN COLLECTED BY W.E. ENGLISH ON 20 JUN 1938, CAS #11033.						
Owner/Manager:	UNKNOWN						



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<i>Eumops perotis californicus</i>		Element Code: AMACD02011	
western mastiff bat			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G4G5T4
	State: None		State: S3S4
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, WBWG_H-High Priority		
Habitat:	General: MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.		
	Micro: ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.		

Occurrence No.	242	Map Index:	24659	EO Index:	69773	Element Last Seen:	1998-06-25
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			1998-06-25
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2007-04-19

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.84822 / -121.40233	Accuracy:	1 mile
UTM:	Zone-10 N4079226 E642441	Elevation (ft):	
PLSS:	T12S, R05E, Sec. 34 (M)	Acres:	0.0

Location: HOLLISTER.
Detailed Location: EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY ONLY AS "HOLLISTER," SO MAPPED IN GENERAL VICINITY OF HOLLISTER.
Ecological:
General: BAT(S) DETECTED ON 25 JUN 1998.
Owner/Manager: UNKNOWN

<i>Dipodomys venustus venustus</i>		Element Code: AMAFD03042	
Santa Cruz kangaroo rat			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G4T1
	State: None		State: S1
	Other:		
Habitat:	General: SILVERLEAF MANZANITA MIXED CHAPARRAL IN THE ZAYANTE SAND HILLS ECOSYSTEM OF THE SANTA CRUZ MOUNTAINS.		
	Micro: NEEDS SOFT, WELL-DRAINED SAND.		



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Occurrence No.	25	Map Index: B1847	EO Index: 113761	Element Last Seen: 1985-08-04
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1985-08-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2019-01-25
Quad Summary:	Mt. Harlan (3612164), Natividad (3612165), Hollister (3612174), San Juan Bautista (3612175)			
County Summary:	Monterey, San Benito			
Lat/Long:	36.75723 / -121.50423		Accuracy: 1 mile	
UTM:	Zone-10 N4068985 E633514		Elevation (ft): 3151	
PLSS:	T13S, R04E, Sec. 35 (M)		Acres: 1987.0	
Location:	VICINITY OF FREMONT PEAK.			
Detailed Location:	SPECIMEN LOCALITIES INCLUDING "FREMONT PEAK" (1907, 1940, 1955), "FREMONT PEAK RD, 7 MI S SAN JUAN" (1940), "7 MI SW HOLLISTER, N SIDE FREMONT PEAK" (1954), & " 7.7 MI S BY ROAD OF ROUTE 156 ON SAN JUAN CANYON ROAD" (1983, 1985).			
Ecological:	SOME SPECIMENS IDED AS D. ELEPHANTINUS. THE FREMONT PEAK/N GABILANS AREA IS BELIEVED TO BE THE SOUTHERN EXTENT OF SSP. VENUSTUS BASED ON GRINNELL (1922), WHO ALSO THOUGHT THIS COULD BE AN AREA OF INTERGRADE; FURTHER GENETIC WORK IS NEEDED.			
General:	1 COLLECTED ON 2 NOV, 4 ON 3 NOV 1907. 6 COLLECTED ON 21 JUL, 5 ON 23 JUL, & 1 ON 24 JUL 1940. 1 ON 3 DEC 1954. 1 ON 26 AUG 1955. 2 ON 4 APR 1983. 3 COLLECTED ON 13 JUL, 2 ON 18 JUL, 1 ON 28 JUL, & 2 ON 4 AUG 1985.			
Owner/Manager:	UNKNOWN			
Occurrence No.	26	Map Index: B1850	EO Index: 113769	Element Last Seen: 2013-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2013-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2019-01-07
Quad Summary:	Hollister (3612174)			
County Summary:	San Benito			
Lat/Long:	36.77742 / -121.46708		Accuracy: 80 meters	
UTM:	Zone-10 N4071277 E636795		Elevation (ft): 2097	
PLSS:	T13S, R05E, Sec. 30, NW (M)		Acres: 5.0	
Location:	ABOUT 2.4 MILES NE OF FREMONT PEAK & 3.8 MILES SW OF CIENEGA RD AT HIDDEN VALLEY RD, HOLLISTER HILLS SVRA.			
Detailed Location:	MAPPED TO PROVIDED COORDINATES. THE FREMONT PEAK/N GABILANS AREA IS CURRENTLY BELIEVED TO BE THE SOUTHERN EXTENT OF SSP VENUSTUS BASED ON GRINNELL (1922), WHO ALSO THOUGHT THIS COULD BE AN AREA OF INTERGRADE; FURTHER GENETIC WORK IS NEEDED.			
Ecological:	TRAPPED IN A HIGH CHAPARRAL PORTION OF HOLLISTER HILLS SVRA.			
General:	UNKNOWN NUMBER CAPTURED IN SHERMAN TRAPLINE IN 2013.			
Owner/Manager:	DPR-HOLLISTER HILLS SVRA			



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Occurrence No.	27	Map Index: B1854	EO Index: 113773	Element Last Seen:	1998-05-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2000-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-01-07

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.78479 / -121.45163	Accuracy:	80 meters
UTM:	Zone-10 N4072117 E638160	Elevation (ft):	1540
PLSS:	T13S, R05E, Sec. 20, SW (M)	Acres:	5.0

Location: ABOUT 2.8 MILES SW OF CIENEGA RD AT HIDDEN VALLEY RD & 3.4 MILES NE OF FREMONT PEAK, HOLLISTER HILLS SVRA.

Detailed Location: MAPPED TO COORDINATES GIVEN FOR PLOT 14 (1989-2000 SURVEY SITE). SPECIMENS W/ LOCALITIES "4.25 MI S & 4.75 MI E SAN JUAN BATISTA" (1958) & "HOLLISTER, 4-1/3 MI S, 3 MI W, FREMONT PEAK ROAD" (1980) ATTRIBUTED HERE, EXACT LOCATIONS UNKNOWN.

Ecological: SITE NOTES: "SE, SW CHAPARRAL (GRANITE)." THE FREMONT PEAK/N GABILANS AREA IS BELIEVED TO BE THE SOUTHERN EXTENT OF SSP VENUSTUS BASED ON GRINNELL (1922), WHO ALSO THOUGHT THIS COULD BE AN AREA OF INTERGRADE; FURTHER GENETIC WORK IS NEEDED.

General: COLLECTED IN VICINITY IN 1958 AND 1980. AT LEAST 14 CAPTURES IN 1989. 14 CAPTURES IN MAY 1997. 13 CAPTURES IN MAY 1998. NONE CAUGHT IN 2000. THESE TOTALS MAY INCLUDE RECAPTURES.

Owner/Manager: DPR-HOLLISTER HILLS SVRA

Occurrence No.	28	Map Index: B1856	EO Index: 113774	Element Last Seen:	1998-05-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2000-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-02-12

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.76871 / -121.45623	Accuracy:	specific area
UTM:	Zone-10 N4070326 E637778	Elevation (ft):	1749
PLSS:	T13S, R05E, Sec. 30, SW (M)	Acres:	10.0

Location: ABOUT 2.5-2.7 MILES NE OF FREMONT PEAK & 3.6-3.9 MILES SW OF CIENEGA RD AT HIDDEN VALLEY RD, HOLLISTER HILLS SVRA.

Detailed Location: MAPPED TO COORDINATES GIVEN FOR PLOTS 27 (SW POLYGON) & 35 (NE POLYGON). SITE NOTES FOR PLOT 35: "NE, SW CHAPARRAL (NATURE AREA)."

Ecological: THE FREMONT PEAK/N GABILANS AREA IS BELIEVED TO BE THE SOUTHERN EXTENT OF SSP. VENUSTUS BASED ON GRINNELL (1922), WHO ALSO THOUGHT THIS COULD BE AN AREA OF INTERGRADE; FURTHER GENETIC WORK IS NEEDED.

General: PLOT 27: AT LEAST 3 CAPTURES IN 1989. PLOT 35: AT LEAST 16 CAPTURES IN 1989. AT LEAST 13 CAPTURES IN MAY 1997. 13 CAPTURES IN MAY 1998. NONE CAUGHT IN 2000. THESE TOTALS MAY INCLUDE RECAPTURES.

Owner/Manager: DPR-HOLLISTER HILLS SVRA



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<i>Reithrodontomys megalotis distichlis</i>		Element Code: AMAFF02032	
Salinas harvest mouse			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5T1
	State: None		State: S1
	Other:		
Habitat:	General: KNOWN ONLY FROM THE MONTEREY BAY REGION.		
	Micro: OCCURS IN FRESH AND BRACKISH WATER WETLANDS AND PROBABLY IN THE ADJACENT UPLANDS AROUND THE MOUTH OF THE SALINAS RIVER.		

Occurrence No.	3	Map Index:	10655	EO Index:	23882	Element Last Seen:	1937-06-03
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1937-06-03	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2006-01-30		

Quad Summary:	Prunedale (3612176)
County Summary:	Monterey

Lat/Long:	36.82783 / -121.73105	Accuracy:	non-specific area
UTM:	Zone-10 N4076525 E613161	Elevation (ft):	200
PLSS:	T13S, R02E, Sec. 03 (M)	Acres:	218.3

Location:	STRAWBERRY CANYON.
Detailed Location:	LAT-LONG GIVEN BY MVZ IS AT THE MOUTH OF STRAWBERRY CANYON WITH A 1 KM MAXIMUM ERROR.
Ecological:	
General:	MVZ #108423 (MALE) COLLECTED 3 JUN 1937.
Owner/Manager:	UNKNOWN



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<i>Vulpes macrotis mutica</i>		Element Code: AMAJA03041	
San Joaquin kit fox			
Listing Status:	Federal: Endangered	CNDDB Element Ranks:	Global: G4T2
	State: Threatened		State: S2
	Other:		
Habitat:	General: ANNUAL GRASSLANDS OR GRASSY OPEN STAGES WITH SCATTERED SHRUBBY VEGETATION.		
	Micro: NEED LOOSE-TEXTURED SANDY SOILS FOR BURROWING, AND SUITABLE PREY BASE.		

Occurrence No.	605	Map Index: 67354	EO Index: 67522	Element Last Seen:	1992-05-15
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1992-05-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-01-22
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.84176 / -121.44138		Accuracy:	3/5 mile	
UTM:	Zone-10 N4078452 E638970		Elevation (ft):	250	
PLSS:	T12S, R05E, Sec. 32, NW (M)		Acres:	0.0	
Location:	ABOUT 2.3 ROAD MI WEST OF HOLLISTER ON HWY 156.				
Detailed Location:	MAPPED ACCORDING TO LOCATION GIVEN AS "4660 SAN JUAN-HOLLISTER RD, HOLLISTER, CA 95023, IN HILLS, ON MAIN RANCH SIDE." ADDRESS DOES NOT MATCH MAP ATTACHED, WHICH PUTS LOCATION AT 1.9 MI SSW OF FEATURE.				
Ecological:	CURRENTLY USED FOR RANCHING.				
General:	1-2 JUVENILES OBSERVED ON 15 MAY 1992. REPORTED MOTHER APPEARED TO HAVE DIED, LEAVING 4-5 JUVENILES BUT 3 DIED.				
Owner/Manager:	PVT				

Occurrence No.	1029	Map Index: 67978	EO Index: 68128	Element Last Seen:	1975-07-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1975-07-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-01-30
Quad Summary:	Pacheco Peak (3712113), Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.02969 / -121.37904		Accuracy:	2/5 mile	
UTM:	Zone-10 N4099394 E644175		Elevation (ft):	1720	
PLSS:	T10S, R05E, Sec. 25 (M)		Acres:	0.0	
Location:	ABOUT 2.3 MI N OF HWY 152, JUST W OF ELEPHANT HEAD CREEK.				
Detailed Location:					
Ecological:					
General:	SIGHTING SOMETIME FROM 1972 THROUGH JUL 1975.				
Owner/Manager:	UNKNOWN				

<i>Taxidea taxus</i>		Element Code: AMAJF04010	
American badger			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5
	State: None		State: S3
	Other: CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern		
Habitat:	General: MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.		
	Micro:		



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NEEDS SUFFICIENT FOOD, FRIABLE SOILS AND OPEN, UNCULTIVATED GROUND. PREYS ON BURROWING RODENTS. DIGS BURROWS.

Occurrence No.	121	Map Index:	24659	EO Index:	56778	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2004-09-14
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.84822 / -121.40233	Accuracy:	1 mile
UTM:	Zone-10 N4079226 E642441	Elevation (ft):	290
PLSS:	T12S, R05E, Sec. 34 (M)	Acres:	0.0

Location: HOLLISTER, SAN BENITO COUNTY.
Detailed Location:
Ecological:
General: CAS #4982. DATE OF COLLECTION UNKNOWN.
Owner/Manager: UNKNOWN

Occurrence No.	187	Map Index:	57202	EO Index:	57218	Element Last Seen:	1995-03-09
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2004-10-04
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			

Quad Summary: Gilroy (3712115)
County Summary: Santa Clara

Lat/Long:	37.02514 / -121.61360	Accuracy:	1/5 mile
UTM:	Zone-10 N4098559 E623318	Elevation (ft):	300
PLSS:	T10S, R03E, Sec. 35 (M)	Acres:	0.0

Location: WEST OF RANCHO HILLS DRIVE, NORTH OF MANTELLI DRIVE, NW GILROY.
Detailed Location:
Ecological: HABITAT CONSISTS OF OAK SAVANNAH, DOMINATED BY VALLEY OAK, BLUE OAK, COAST LIVE OAK, AND BLACK OAK; NON-NATIVE GRASSLAND DOMINATED BY BROME, FOXTAIL, AND WILD OATS. SITE HAS BEEN GRAZED IN THE PAST.
General: NUMEROUS BURROWS WITH BADGER CLAW MARKS THROUGHOUT THE SITE OBSERVED ON 28 MAY 1994. 1 ADULT OBSERVED EMERGING FROM BURROW, DURING A NOCTURNAL CTS SURVEY, ON 9 MAR 1995.
Owner/Manager: PVT



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Occurrence No.	188	Map Index: 57203	EO Index: 57219	Element Last Seen: 1995-08-15
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1995-08-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2004-10-04

Quad Summary: San Juan Bautista (3612175)
County Summary: San Benito

Lat/Long:	36.85002 / -121.56118	Accuracy:	1/5 mile
UTM:	Zone-10 N4079201 E628275	Elevation (ft):	300
PLSS:	T12S, R04E, Sec. 32 (M)	Acres:	0.0

Location: HIGHWAY 156, ABOUT 1 MILE NORTH OF SAN JUAN BAUTISTA.

Detailed Location:

Ecological: HABITAT CONSISTS OF GRAZED ANNUAL GRASSLANDS, SURROUNDED BY RURAL RESIDENTIAL.

General: 1 ROAD-KILLED JUVENILE OBSERVED ON 15 AUG 1995.

Owner/Manager: UNKNOWN

Occurrence No.	389	Map Index: 70074	EO Index: 70932	Element Last Seen: 2007-09-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2007-09-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-10-01

Quad Summary: Chittenden (3612185)
County Summary: Santa Clara

Lat/Long:	36.92809 / -121.54694	Accuracy:	1/10 mile
UTM:	Zone-10 N4087881 E629412	Elevation (ft):	161
PLSS:	T11S, R04E, Sec. 32 (M)	Acres:	0.0

Location: ALONG NORTHBOUND HIGHWAY 1, 5 MILES SOUTH OF GILROY.

Detailed Location:

Ecological: SURROUNDING HABITAT CONSISTS OF GRASSLAND, AGRICULTURE, AND VALLEY FOOTHILL RIPARIAN.

General: 1 DOR ADULT OBSERVED ON 26 SEP 2007.

Owner/Manager: PVT

Occurrence No.	426	Map Index: 73780	EO Index: 74798	Element Last Seen: 2001-02-28
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2001-02-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2009-03-10

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey

Lat/Long:	36.79002 / -121.60998	Accuracy:	80 meters
UTM:	Zone-10 N4072480 E624020	Elevation (ft):	340
PLSS:	T13S, R03E, Sec. 23, NW (M)	Acres:	0.0

Location: CRAZY HORSE CANYON, ABOUT 1.1 NNW OF LAGUNITA LAKE, ABOUT 4.6 MI NE OF HWY 101 AT RUSSEL RD, SALINAS.

Detailed Location: MAPPED TO PROVIDED COORDINATES.

Ecological: HABITAT CONSISTED OF COAST LIVE OAK WOODLAND, MIXED CHAPARRAL, AND GRASSLAND. COAST RANGE NEWTS (TARICHA TOROSA) & RED-LEGGED FROGS (RANA AURORA DRAYTONII) ABUNDANT IN NEARBY STOCK POND. RANGELAND USED FOR CATTLE GRAZING.

General: ON 28 FEB 2001 ONE INDIVIDUAL IN BURROW OBSERVED AND FRESH TRACKS DETECTED. DIGITAL PHOTOS AVAILABLE (BADGER001.JPG AND BADGER002.JPG).

Owner/Manager: PVT



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Occurrence No.	561	Map Index: B1256	EO Index: 113151	Element Last Seen:	2017-06-28
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-06-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-10-26
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.9661 / -121.39043		Accuracy:	80 meters	
UTM:	Zone-10 N4092322 E643282		Elevation (ft):	295	
PLSS:	T11S, R05E, Sec. 23, NE (M)		Acres:	5.0	
Location:	ALONG SR 152 ABOUT 0.4 MI W OF THE JUNCTION WITH SR 156 & 1.6 MI NE OF SAN FELIPE RD AT PACHECO CREEK, N OF HOLLISTER.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	STATE HIGHWAY WITH OPEN GRAZING LAND TO NORTH AND SOUTH. ROAD SHOULDERS DOMINATED BY NON-NATIVE GRASS AND THISTLES. DISTURBANCE FROM TRASH, INVASIVE PLANTS, AND TRAFFIC NOTED.				
General:	1 ADULT FOUND DEAD ON THE SIDE OF THE ROAD ON 28 JUN 2017.				
Owner/Manager:	CALTRANS				
Occurrence No.	562	Map Index: B1257	EO Index: 113152	Element Last Seen:	2009-06-16
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-10-26
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.96848 / -121.38395		Accuracy:	80 meters	
UTM:	Zone-10 N4092595 E643855		Elevation (ft):	249	
PLSS:	T11S, R05E, Sec. 24, NW (M)		Acres:	5.0	
Location:	EAST-BOUND LANE OF SR 152 JUST WEST OF THE JUNCTION WITH SR 156, NORTH OF HOLLISTER.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	ROADKILL FOUND AT TOP OF RAMP IN NEWLY-CONSTRUCTED ELEVATED PORTION OF HIGHWAY.				
General:	1 ADULT FOUND DEAD ON ROAD ON 16 JUN 2009.				
Owner/Manager:	CALTRANS				
Occurrence No.	564	Map Index: B1353	EO Index: 113260	Element Last Seen:	2017-07-04
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-07-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-11-08
Quad Summary:	San Felipe (3612184)				
County Summary:	Santa Clara				
Lat/Long:	36.98965 / -121.38406		Accuracy:	specific area	
UTM:	Zone-10 N4094944 E643805		Elevation (ft):	290	
PLSS:	T11S, R05E, Sec. 12, SW (M)		Acres:	10.0	
Location:	ALONG HWY 152 ON EITHER SIDE OF THE CASA DE FRUTA EXIT, FROM ABOUT 0.5 TO 0.75 MILES NNW OF THE WALNUT AVE JUNCTION.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES.				
Ecological:	HIGHWAY THROUGH GRASSLAND AND OAK SAVANNA USED FOR GRAZING, WITH SOME AGRICULTURE AND COMMERCIAL DEVELOPMENT AT CASA DE FRUTA.				
General:	1 ADULT FOUND DEAD ON ROAD ON 11 MAY 2009. 1 ADULT FOUND DEAD ON ROAD ON 4 JUL 2017.				
Owner/Manager:	CALTRANS, PVT				



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Occurrence No.	591	Map Index:	B3074	EO Index:	114996	Element Last Seen:	2017-09-20
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2017-09-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2019-05-15	
Quad Summary:	Chittenden (3612185)						
County Summary:	San Benito						
Lat/Long:	36.88909 / -121.56576		Accuracy:	80 meters			
UTM:	Zone-10 N4083529 E627802		Elevation (ft):	171			
PLSS:	T12S, R04E, Sec. 18, E (M)		Acres:	5.0			
Location:	ALONG CA-129 ABOUT 0.5 MI NNW OF THE US-101 UNDERPASS & 1.4 MI SE OF THE CONFLUENCE OF THE PAJARO RIVER & PESCADERO CRK.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	HIGHWAY THROUGH GRASSLANDS AND OAK WOODLAND, SOUTH OF THE PAJARO RIVER. SURROUNDING LAND USES INCLUDED CATTLE GRAZING, RURAL HOUSING. HIGHWAY IS HAZARD TO WILDLIFE; DOR BOBCAT ALSO OBSERVED NEARBY.						
General:	OLD/DRIED REMAINS OF ROAD-KILLED JUVENILE FOUND ON ROAD ON 20 SEP 2017.						
Owner/Manager:	SBT COUNTY						

<i>Emys marmorata</i>	Element Code:	ARAAD02030
western pond turtle		
Listing Status:	Federal:	None
	State:	None
	Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive
Habitat:	General:	A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS AND IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.
	Micro:	NEEDS BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYING.
CNDDDB Element Ranks:	Global:	G3G4
	State:	S3

Occurrence No.	31	Map Index:	24659	EO Index:	595	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		XXXX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1996-01-10	
Quad Summary:	Hollister (3612174)						
County Summary:	San Benito						
Lat/Long:	36.84822 / -121.40233		Accuracy:	1 mile			
UTM:	Zone-10 N4079226 E642441		Elevation (ft):	290			
PLSS:	T12S, R05E, Sec. 34 (M)		Acres:	0.0			
Location:	HOLLISTER.						
Detailed Location:							
Ecological:							
General:	CALIFORNIA ACADEMY OF SCIENCES, SPECIMEN #53943, DATE AND NUMBER OF SPECIMENS UNKNOWN.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	61	Map Index: 32816	EO Index: 21804	Element Last Seen: XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1996-01-16

Quad Summary: Gilroy (3712115), Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.01139 / -121.62626	Accuracy:	1/5 mile
UTM:	Zone-10 N4097018 E622215	Elevation (ft):	250
PLSS:	T11S, R03E, Sec. 03 (M)	Acres:	0.0

Location: 3.5 MILES WEST OF GILROY ON HIGHWAY 152.

Detailed Location:

Ecological:

General: LOS ANGELES COUNTY MUSEUM, SPECIMEN #105320, DATE UNKNOWN.

Owner/Manager: UNKNOWN

Occurrence No.	92	Map Index: 32894	EO Index: 5896	Element Last Seen: 1988-09-19
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen: 1988-09-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1996-03-22

Quad Summary: Chittenden (3612185)

County Summary: San Benito

Lat/Long:	36.88932 / -121.60132	Accuracy:	specific area
UTM:	Zone-10 N4083507 E624632	Elevation (ft):	350
PLSS:	T12S, R03E, Sec. 14 (M)	Acres:	2.4

Location: ANZAR LAKE, EAST OF AROMAS, JUST SOUTHEAST OF ANZAR ROAD X COLE ROAD.

Detailed Location:

Ecological: PERENNIAL LAKE WITH WETLAND HABITAT AND LIMITED WILLOW RIPARIAN; LAKE WAS DRY ON THIS VISIT (9/19/1988), APPARENTLY A RARE CONDITION AT THIS SITE.

General: 1 TURTLE SHELL WAS COLLECTED BY D.L. SUDDJIAN ON DRY LAKE BED.

Owner/Manager: PVT-GRANITE ROCK

Occurrence No.	107	Map Index: 34677	EO Index: 326	Element Last Seen: 1992-06-22
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1992-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1996-02-28

Quad Summary: Chittenden (3612185), Gilroy (3712115)

County Summary: Santa Clara

Lat/Long:	37.00463 / -121.60537	Accuracy:	non-specific area
UTM:	Zone-10 N4096295 E624084	Elevation (ft):	220
PLSS:	T11S, R03E, Sec. 02 (M)	Acres:	368.8

Location: UVAS CREEK, UVAS CREEK PARK, IMMEDIATELY WEST OF GILROY AND SOUTH OF HIGHWAY 152.

Detailed Location: CREEK TO BE RESTORED PER PROPOSED MASTER PLAN.

Ecological: FORMER GRAVEL PIT; IN-CHANNEL IMPOUNDMENT. EMERGENT VEGETATION AND WILLOW SURROUNDING IMPOUNDMENT; CREEK DEGRADED DUE TO PAST QUARRYING ACTIVITIES; SAND/GRAVEL SUBSTRATE; MATURE TREES ABSENT FROM CORRIDOR; WATER IS GREENISH COLOR.

General: 1 ADULT OBSERVED BY B. MORI.

Owner/Manager: CITY OF GILROY



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Occurrence No.	167	Map Index: 44152	EO Index: 44152	Element Last Seen:	2003-06-15
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2003-06-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-05-11
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.07128 / -121.70664		Accuracy:	specific area	
UTM:	Zone-10 N4103562 E614972		Elevation (ft):	450	
PLSS:	T10S, R02E, Sec. 12, SW (M)		Acres:	16.1	
Location:	EASTMAN CANYON (CREEK), WHERE IT BECOMES PART OF UVAS RESERVOIR, SW OF MORGAN HILL.				
Detailed Location:	SITE IS LOCATED WITHIN UVAS RESERVOIR, EAST OF UVAS ROAD.				
Ecological:	HABITAT CONSISTS OF RIPARIAN ASSOCIATED WITH THE CREEK AND RESERVOIR IN EASTMAN CANYON.				
General:	3 ADULTS OBSERVED ON 22 MAY 2000. 2 ADULTS OBSERVED ON 15 JUN 2003.				
Owner/Manager:	PVT				

Occurrence No.	168	Map Index: 44153	EO Index: 44153	Element Last Seen:	2016-04-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-04-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-10-24
Quad Summary:	Gilroy Hot Springs (3712114), Gilroy (3712115), Mississippi Creek (3712124)				
County Summary:	Santa Clara				
Lat/Long:	37.11068 / -121.47797		Accuracy:	non-specific area	
UTM:	Zone-10 N4108234 E635232		Elevation (ft):	977	
PLSS:	T09S, R04E, Sec. 36 (M)		Acres:	1391.0	
Location:	COYOTE CK FROM THE RESERVOIR TO THE FORKS & 4 MI ON E FORK COYOTE CK, 2 MI ON KELLY CABIN CK & 3 MI ON GRIZZLY GULCH CK.				
Detailed Location:	JUL 1995 LOCATIONS: FELLERS SITE S-723 & 723B. 11 MAY 2004 TURTLE OBSERVED IN THE VICINITY OF THE POOL AT THE BASE OF THE FALLS ON GRIZZLY GULCH CREEK. 2011-2012 STUDY IN COYOTE CREEK FROM RESERVOIR TO 5 MI UPSTREAM.				
Ecological:	INTERMITTENT STREAM IN VALLEY FOOTHILL RIPARIAN DOMINATED BY SYCAMORES; BOULDER/GRAVEL CHANNEL W/EMERGENT VEG. CREEK DRIES ANNUALLY EXCEPT FOR DEEPEST POOLS. ONGOING DROUGHT LINKED TO DECLINE IN JUVENILE RECRUITMENT & MORTALITIES (2014-15).				
General:	OBSERVED, 1980-89. 13 OBS, JUL 1995. 2 OBS MAR 2000. 1 OBS MAY 2001. 1 OBS MAY 2002. 25 OBS MAY 2003. UP TO 45 OBS APR-MAY 2004. 8 OBS MAY 2005. 175 CAPTURES, MANY OBS 2011-13. 39 DEAD/MANY LIVE OBS 2014. 36 CAUGHT, 2015. 3 OBS 18 APR 2016.				
Owner/Manager:	SCL COUNTY, DPR				



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Occurrence No.	177	Map Index: 44343	EO Index: 44343	Element Last Seen:	1998-03-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1998-03-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-11-20
Quad Summary:	Mt. Madonna (3712116), Morgan Hill (3712126)				
County Summary:	Santa Clara				
Lat/Long:	37.12260 / -121.70703		Accuracy:	non-specific area	
UTM:	Zone-10 N4109255 E614861		Elevation (ft):	525	
PLSS:	T09S, R02E, Sec. 25 (M)		Acres:	214.2	
Location:	CHESBRO RESERVOIR, CHESBRO RESERVOIR COUNTY PARK, OAK GLEN AVE, 3.5 MILES W OF MORGAN HILL (SAN PEDRO & MONTEREY RD).				
Detailed Location:	MAPPED TO THE RESERVOIR, MORE SPECIFIC DETAILS NOT GIVEN.				
Ecological:	RESERVOIR.				
General:	7 OBSERVED IN 1998.				
Owner/Manager:	SCL COUNTY				
Occurrence No.	181	Map Index: 36056	EO Index: 44865	Element Last Seen:	2000-05-05
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2000-05-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2001-02-01
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.95227 / -121.55894		Accuracy:	80 meters	
UTM:	Zone-10 N4090547 E628304		Elevation (ft):	240	
PLSS:	T11S, R04E, Sec. 29, NW (M)		Acres:	0.0	
Location:	0.4 MILE WEST OF THE INTERSECTION OF HWY 101 AND OLD MONTEREY ROAD, 4 MILES SOUTH OF GILROY.				
Detailed Location:	POND IS LOCATED ALONG THE STREAM, BELOW THE SPRINGS.				
Ecological:	HABITAT CONSISTS OF AN ARTIFICIAL POND, WITH SURROUNDING VEGETATION OF CATTAILS AND OTHER POND VEGETATION.				
General:	1 ADULT OBSERVED ON 5 MAY 2000.				
Owner/Manager:	PVT				
Occurrence No.	188	Map Index: 46007	EO Index: 46397	Element Last Seen:	2001-09-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-09-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2001-11-06
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.85189 / -121.43051		Accuracy:	80 meters	
UTM:	Zone-10 N4079591 E639922		Elevation (ft):	253	
PLSS:	T12S, R05E, Sec. 33 (M)		Acres:	0.0	
Location:	SAN BENITO RIVER, ABOUT 20 METERS DOWNSTREAM OF SAN JUAN HOLLISTER BRIDGE, HOLLISTER.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POOLED AREA WITHIN SAN BENITO RIVER; SURROUNDED BY WILLOWS AND CATTAILS.				
General:	1 ADULT OBSERVED ON 21 SEP 2001.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	199	Map Index: 47907	EO Index: 47907	Element Last Seen:	2000-07-13
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2000-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-05-14
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.00441 / -121.68181		Accuracy:	80 meters	
UTM:	Zone-10 N4096173 E617283		Elevation (ft):	500	
PLSS:	T11S, R03E, Sec. 06 (M)		Acres:	0.0	
Location:	SPRIG LAKE, ON BLACKHAWK CANYON CREEK, ON THE NORTH SIDE OF HIGHWAY 152, MOUNT MADONNA COUNTY PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND FORMED BY A SMALL DAM ON BLACKHAWK CREEK, WHICH SUPPORTS CATTAILS, RUSHES, AND EMERGENT VEGETATION ON THE WEST SHORELINE.				
General:	2 TURTLES OBSERVED BASKING ON LOGS ALONG THE SHORELINE ON 13 JUL 2000.				
Owner/Manager:	SCL COUNTY-MT MADONNA PARK				

Occurrence No.	224	Map Index: 48546	EO Index: 48546	Element Last Seen:	1989-04-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1989-04-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-08-13
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.98746 / -121.59147		Accuracy:	80 meters	
UTM:	Zone-10 N4094408 E625349		Elevation (ft):	400	
PLSS:	T11S, R03E, Sec. 12 (M)		Acres:	0.0	
Location:	RESERVOIR CANYON POND, 0.2 MI WEST OF INTERSECTION OF MILLER AVE AND SANTA TERESA BLVD. SOUTH OF GILROY.				
Detailed Location:	O'CONNEL RANCH PROJECT SITE. POND "A".				
Ecological:	CLEAR, DEEP POND SURROUNDED BY COAST LIVE OAK WOODLAND AND SAVANNA. SUBMERGENT VEGETATION AND ALGAE PRESENT.				
General:	ONE 4-5 INCH POND TURTLE OBSERVED DURING A SURVEY FOR CALIFORNIA TIGER SALAMANDERS.				
Owner/Manager:	PVT				



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Occurrence No.	254	Map Index: 53086	EO Index: 53086	Element Last Seen:	2003-04-03
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2003-04-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-10-28
Quad Summary:	San Juan Bautista (3612175)				
County Summary:	San Benito				
Lat/Long:	36.85442 / -121.54573		Accuracy:	80 meters	
UTM:	Zone-10 N4079710 E629644		Elevation (ft):	180	
PLSS:	T12S, R04E, Sec. 29 (M)		Acres:	0.0	
Location:	UNNAMED TRIBUTARY TO SAN JUAN CREEK, 0.4 MLE NW OF SAN JUAN BAUTISTA.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A TRIBUTARY TO SAN JUAN CREEK THAT FUNCTIONS AS A ROADSIDE DITCH, WITH ABUNDANT WETLAND VEGETATION - TYPHA LATIFOLIA & SCIRPUS ROBUSTUS. TO THE EAST LIES AN ORCHARD & IRRIGATED ROW CROPS. GRAZED PASTURE TO THE WEST.				
General:	1 ADULT OBSERVED ON 3 APR 2003.				
Owner/Manager:	UNKNOWN				
Occurrence No.	255	Map Index: 53908	EO Index: 53908	Element Last Seen:	2003-03-05
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2003-03-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-13
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.93692 / -121.55034		Accuracy:	80 meters	
UTM:	Zone-10 N4088856 E629095		Elevation (ft):	145	
PLSS:	T11S, R04E, Sec. 32 (M)		Acres:	0.0	
Location:	TICK CREEK, BETWEEN HIGHWAY 101 AND THE SPRR TRACKS, 5 MILES SOUTH OF GILROY.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF WILLOW RIPARIAN WITH AN HERBACEOUS UNDERSTORY; SURROUNDED BY AGRICULTURE, RAILROAD TRACKS, AND A MAJOR HIGHWAY.				
General:	1 ADULT OBSERVED ON 5 MAR 2003.				
Owner/Manager:	UNKNOWN				
Occurrence No.	258	Map Index: 54240	EO Index: 54240	Element Last Seen:	2001-06-30
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2001-06-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-02-03
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.06380 / -121.44691		Accuracy:	80 meters	
UTM:	Zone-10 N4103078 E638076		Elevation (ft):	980	
PLSS:	T10S, R05E, Sec. 17, SE (M)		Acres:	0.0	
Location:	WEST SIDE OF HUNTING HOLLOW, 0.25 MILE WEST OF THE MOUTH OF COON HUNTERS GULCH, HENRY W. COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK WOODLAND.				
General:	20 ADULTS OBSERVED ON 30 JUN 2001.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	259	Map Index: 54241	EO Index: 54241	Element Last Seen:	2002-06-09
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2002-06-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-02-03
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.07694 / -121.46406		Accuracy:	80 meters	
UTM:	Zone-10 N4104511 E636528		Elevation (ft):	890	
PLSS:	T10S, R05E, Sec. 07, SW (M)		Acres:	0.0	
Location:	POND WITHIN A TRIBUTARY TO HUNTING HOLLOW, 0.25 MILE WEST OF THE CONFLUENCE OF COYOTE CREEK, HENRY W. COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK WOODLAND.				
General:	1 ADULT OBSERVED ON 9 JUN 2002.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	265	Map Index: 53969	EO Index: 54250	Element Last Seen:	2003-05-06
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-02-03
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.09227 / -121.41764		Accuracy:	80 meters	
UTM:	Zone-10 N4106279 E640626		Elevation (ft):	2060	
PLSS:	T10S, R05E, Sec. 03, SW (M)		Acres:	0.0	
Location:	1 MILE EAST OF WILSON PEAK, HENRY W. COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POND SURROUNDED BY OAK WOODLAND/SAVANNAH.				
General:	12 ADULTS OBSERVED ON 6 MAY 2003.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	266	Map Index: 54253	EO Index: 54253	Element Last Seen:	2003-06-22
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2003-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-02-03
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.12129 / -121.42786		Accuracy:	specific area	
UTM:	Zone-10 N4109484 E639664		Elevation (ft):	1880	
PLSS:	T09S, R05E, Sec. 28, SE (M)		Acres:	6.0	
Location:	RESERVOIR IN KELLY CABIN CANYON, HENRY W. COE STATE PARK.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A RESERVOIR SURROUNDED BY OAK WOODLAND.				
General:	2 ADULTS AND 1 JUVENILE OBSERVED ON 22 JUN 2003.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	285	Map Index: 59222	EO Index: 59258	Element Last Seen:	2004-08-10
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-08-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-01-11
Quad Summary:	Watsonville East (3612186)				
County Summary:	Santa Clara				
Lat/Long:	36.95504 / -121.63447		Accuracy:	80 meters	
UTM:	Zone-10 N4090756 E621573		Elevation (ft):	510	
PLSS:	T11S, R03E, Sec. 27 (M)		Acres:	0.0	
Location:	RESERVOIR NORTH OF HATFIELD CANYON, IN THE SANTA CRUZ MOUNTAINS.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A RESERVOIR (12' DEEP AT MAXIMUM); SURROUNDED BY GRAZED GRASSLAND.				
General:	3 ADULTS OBSERVED ON 10 AUG 2004.				
Owner/Manager:	CASTRO VALLEY RANCH				
Occurrence No.	290	Map Index: 62217	EO Index: 62253	Element Last Seen:	2004-05-31
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-05-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-08-05
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.07313 / -121.45566		Accuracy:	80 meters	
UTM:	Zone-10 N4104101 E637281		Elevation (ft):	880	
PLSS:	T10S, R05E, Sec. 07, SE (M)		Acres:	0.0	
Location:	MOUTH OF BRAEN CANYON, TRIBUTARY TO HUNTING HOLLOW CREEK, EAST OF COYOTE LAKE.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A POOL IN A SECTION OF INTERMITTENT STREAM AT THE MOUTH OF BRAEN CANYON.				
General:	1 ADULT AND 3 JUVENILES OBSERVED ON 31 MAY 2004.				
Owner/Manager:	DPR-HENRY W COE SP				
Occurrence No.	295	Map Index: 33856	EO Index: 62261	Element Last Seen:	2005-05-22
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-05-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-09-13
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.07183 / -121.42069		Accuracy:	non-specific area	
UTM:	Zone-10 N4104008 E640392		Elevation (ft):	1360	
PLSS:	T10S, R05E, Sec. 16, NE (M)		Acres:	170.1	
Location:	COON HUNTERS GULCH, HENRY W. COE STATE PARK.				
Detailed Location:	MAPPED TO PROVIDED MAPS.				
Ecological:	HABITAT CONSISTS OF POOLS IN AN INTERMITTENT CREEK IN A STEEP, WOODED CANYON. RANA DRAYTONII ALSO FOUND HERE.				
General:	DETECTED ON 23 MAY 1994. 5 ADULTS AND 3 JUVENILES OBSERVED ON 16 MAY 2004. 1 JUVENILE (39 MM TOTAL LENGTH) OBSERVED ON 22 MAY 2005.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	297	Map Index: 62377	EO Index: 62414	Element Last Seen:	2004-05-04
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2004-05-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-08-24

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.06814 / -121.63269	Accuracy:	80 meters
UTM:	Zone-10 N4103306 E621551	Elevation (ft):	330
PLSS:	T10S, R03E, Sec. 15 (M)	Acres:	0.0

Location: NORTH OF WEST BRANCH OF LLAGAS CREEK, CORDEVALLE GOLF COURSE, SOUTH OF MORGAN HILL.

Detailed Location:

Ecological: SITE WAS HISTORICALLY USED FOR CATTLE RANCHING (INCLUDING 8 STOCK PONDS). SITE HAS CURRENTLY BEEN DEVELOPED INTO A GOLF COURSE, WITH REMNANTS OF FRAGMENTED NON-NATIVE GRASSLAND AND VALLEY OAK WOODLAND.

General: 1 OF 4 GOLF COURSE PONDS WHERE MAINLY ADULT TURTLES WERE OBSERVED ON 26 MAR, 27 APR, AND 4 MAY 2004.

Owner/Manager: PVT-CORDEVALLE GOLF COURSE

Occurrence No.	298	Map Index: 62378	EO Index: 62415	Element Last Seen:	2004-05-04
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2004-05-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-08-24

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.06603 / -121.63262	Accuracy:	80 meters
UTM:	Zone-10 N4103072 E621561	Elevation (ft):	320
PLSS:	T10S, R03E, Sec. 15 (M)	Acres:	0.0

Location: SOUTH OF WEST BRANCH OF LLAGAS CREEK, CORDEVALLE GOLF COURSE, SOUTH OF MORGAN HILL.

Detailed Location:

Ecological: SITE WAS HISTORICALLY USED FOR CATTLE RANCHING (INCLUDING 8 STOCK PONDS). SITE HAS CURRENTLY BEEN DEVELOPED INTO A GOLF COURSE, WITH REMNANTS OF FRAGMENTED NON-NATIVE GRASSLAND AND VALLEY OAK WOODLAND.

General: 1 OF 4 GOLF COURSE PONDS WHERE MAINLY ADULT TURTLES WERE OBSERVED ON 26 MAR, 27 APR, AND 4 MAY 2004.

Owner/Manager: PVT-CORDEVALLE GOLF COURSE



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Occurrence No.	299	Map Index: 62379	EO Index: 62416	Element Last Seen:	2004-05-04
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2004-05-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-08-24
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.06914 / -121.64058		Accuracy:	specific area	
UTM:	Zone-10 N4103406 E620849		Elevation (ft):	320	
PLSS:	T10S, R03E, Sec. 16 (M)		Acres:	10.0	
Location:	1 MILE EAST OF THE INTERSECTION OF WATSONVILLE ROAD AND SYCAMORE AVENUE, CORDEVILLE GOLF COURSE, SOUTH OF MORGAN HILL.				
Detailed Location:					
Ecological:	SITE WAS HISTORICALLY USED FOR CATTLE RANCHING (INCLUDING 8 STOCK PONDS). SITE HAS CURRENTLY BEEN DEVELOPED INTO A GOLF COURSE, WITH REMNANTS OF FRAGMENTED NON-NATIVE GRASSLAND AND VALLEY OAK WOODLAND. CTS ALSO FOUND AT THIS SITE IN 1995.				
General:	AN UNSPECIFIED NUMBER OF TURTLES OBSERVED ON 6 MAR 1995. 1 OF 4 GOLF COURSE PONDS WHERE MAINLY ADULT TURTLES WERE OBSERVED ON 26 MAR, 27 APR, AND 4 MAY 2004.				
Owner/Manager:	PVT-CORDEVILLE GOLF COURSE				
Occurrence No.	306	Map Index: 63065	EO Index: 63151	Element Last Seen:	1991-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-10-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-11-02
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.02963 / -121.68577		Accuracy:	specific area	
UTM:	Zone-10 N4098967 E616891		Elevation (ft):	400	
PLSS:	T10S, R03E, Sec. 30, S (M)		Acres:	14.8	
Location:	LITTLE ARTHUR CREEK, 2 MILES ABOVE MOUTH; 2.3 MILES SOUTH OF UVAS RESERVOIR AND NORTH OF MT. MADONNA COUNTY PARK.				
Detailed Location:	LOCATED 2 ROAD MILES (ALONG REDWOOD RETREAT ROAD) FROM INTERSECTION OF REDWOOD RETREAT ROAD AND WATSONVILLE ROAD.				
Ecological:	HABITAT CONSISTS OF A PERENNIAL STREAM SURROUNDED BY NON-NATIVE GRASSLAND, SEASONAL WETLANDS, MIXED-OAK WOODLAND, MIXED RIPARIAN WOODLAND, AND BLUE OAK WOODLAND.				
General:	SPECIES PRESENT DURING 1991 SURVEY. THE CREEK WAS DRY DURING THE OCTOBER 2001 SURVEY; SPECIES CONSIDERED PRESENT.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	336	Map Index: 69695	EO Index: 70481	Element Last Seen:	2007-07-10
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-07-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-07-26

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.06514 / -121.68834	Accuracy:	specific area
UTM:	Zone-10 N4102903 E616609	Elevation (ft):	425
PLSS:	T10S, R03E, Sec. 18 (M)	Acres:	10.0

Location: UVAS RESERVOIR DAM SPILLWAY CHANNEL, 7 MILES NW OF GILROY.

Detailed Location:

Ecological: HABITAT CONSISTS OF THE DAM SPILLWAY CHANNEL, CONTAINING POOLS, LARGE ROCKS FOR BASKING, AND EMERGENT VEGETATION. OTHER NATIVE AND NON-NATIVE FISH, AMPHIBIANS, AND REPTILES ALSO PRESENT.

General: 1 ADULT POND TURTLE (AS WELL AS 1 PAINTED TURTLE) OBSERVED ON 10 JUL 2007.

Owner/Manager: SANTA CLARA VALLEY WATER DIST

Occurrence No.	353	Map Index: 54034	EO Index: 71665	Element Last Seen:	2005-05-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-05-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-25

Quad Summary: Gilroy Hot Springs (3712114)

County Summary: Santa Clara

Lat/Long:	37.05028 / -121.43037	Accuracy:	80 meters
UTM:	Zone-10 N4101602 E639571	Elevation (ft):	1100
PLSS:	T10S, R05E, Sec. 21 (M)	Acres:	0.0

Location: 0.6 MILE NE OF BILLS HILL, HENRY W. COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF A TINY, SEASONAL POND SURROUNDED BY OAK WOODLAND.

General: 2 ADULTS OBS ON 7 MAY 2005.

Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	354	Map Index: 70756	EO Index: 71667	Element Last Seen:	2004-05-02
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-25

Quad Summary: Pacheco Peak (3712113), Gilroy Hot Springs (3712114)

County Summary: Santa Clara

Lat/Long:	37.09425 / -121.37487	Accuracy:	specific area
UTM:	Zone-10 N4106564 E644424	Elevation (ft):	1200
PLSS:	T10S, R05E, Sec. 01 (M)	Acres:	151.0

Location: CANADA DE LA DORMIDA, HEADWATERS OF CEDAR CREEK, HENRY W. COE STATE PARK.

Detailed Location:

Ecological: HABITAT CONSISTS OF A HEAVILY-WOODED, STEEP CANYON, CONTAINING AN INTERMITTENT STREAM WHICH EVENTUALLY BECOMES THE HEADWATERS OF CEDAR CREEK.

General: 5 ADULTS & 3 JUVENILES (SMALLEST MEASURED 30 MM IN LENGTH) OBSERVED IN VARIOUS LOCATIONS ALONG THIS SECTION OF STREAM ON 2 MAY 2004.

Owner/Manager: DPR-HENRY W COE SP



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Occurrence No.	534	Map Index:	46140	EO Index:	46140	Element Last Seen:	2000-07-06
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2000-07-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-10-15	

Quad Summary: San Felipe (3612184)

County Summary: San Benito

Lat/Long:	36.94760 / -121.44530	Accuracy:	80 meters
UTM:	Zone-10 N4090188 E638430	Elevation (ft):	150
PLSS:	T11S, R05E, Sec. 29, SW (M)	Acres:	0.0

Location: SE OF GILROY & NE OF HOLLISTER AIRPORT. TEQUISQUITA SLOUGH, 0.3 AIR MILE NORTH OF SHORE RD.

Detailed Location:

Ecological: TEQUISQUITA SLOUGH IS ABOUT 70 FT WIDE & 9 FT DEEP. WILLOW RIPARIAN & FRESHWATER MARSH VEGETATION LINE BANKS OF CHANNEL; TURBID WATER. AGRICULTURE & GRAZING IN SURROUNDING AREA.

General: 2 ADULTS OBSERVED BASKING ON WOODY DEBRIS.

Owner/Manager: PVT

Occurrence No.	1164	Map Index:	72498	EO Index:	69633	Element Last Seen:	2006-05-17
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2006-05-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-10-09	

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.78134 / -121.67682	Accuracy:	80 meters
UTM:	Zone-10 N4071432 E618070	Elevation (ft):	90
PLSS:	T13S, R03E, Sec. 19, SE (M)	Acres:	0.0

Location: 0.8 MILE NW OF THE INTERSECTION OF BLACKIE ROAD AND HIGHWAY 156, JUST WEST OF PRUNEDALE.

Detailed Location: NATURAL WETLANDS ARE LIKELY ENHANCED BY BERMS AT THE DOWNSTREAM END.

Ecological: HABITAT CONSISTS OF A LARGE FRESHWATER MARSH WITH OPEN-WATER; WATER DEPTH <4'. WILLOWS GROW ALONG THE SHORELINE, SUBMERGENT AQUATICS ABUNDANT, AND RUDERAL SPECIES ARE DENSE ALONG BERMS.

General: AQUATIC SURVEYS WERE CONDUCTED ON 17 APR, 19 APR, 4 MAY, AND 17 MAY 2006; ONE TURTLE OBSERVED DURING RECONNAISSANCE ON 5 MAY AND ONE ON 17 MAY 2006 DURING CTS SAMPLING.

Owner/Manager: PVT



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Occurrence No.	1189	Map Index:	70796	EO Index:	71708	Element Last Seen:	2007-05-16
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2007-05-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-02-08	

Quad Summary: Prunedale (3612176)

County Summary: San Benito

Lat/Long:	36.86433 / -121.63111	Accuracy:	80 meters
UTM:	Zone-10 N4080697 E622017	Elevation (ft):	220
PLSS:	T12S, R03E, Sec. 27, NW (M)	Acres:	0.0

Location: 0.6 MI NORTH OF THE JUNCTION OF SAN JUAN ROAD AND HIGHWAY 101, 5 MILES WNW OF SAN JUAN BAUTISTA.

Detailed Location:

Ecological: ARTIFICIAL POND BERMED IN SWALE. 50X185 FT, 3.5 FT DEEP. WATER TURBID. OPEN WATER HABITAT PROMINENT. EMERGENT VEGETATION: SMALL PATCH OF SCIRPUS, FEW PATCHES OF POLYGONUM. UPLAND HABITAT MOSAIC OF OAK WOODLANDS, FEW PATCHES ANNUAL GRASSLAND.

General: ONE 5 INCH POND TURTLE OBSERVED ON 16 MAY 2007. LOUISIANA CRAYFISH AND GAMBUSIA ABUNDANT. ABOUT 1 DOZEN BULLFROG SUBADULTS PRESENT - NO TADPOLES CAPTURED. CURRENT/SURROUNDING LAND USE IS MAINLY RANCHETTES.

Owner/Manager: PVT

Occurrence No.	1190	Map Index:	70862	EO Index:	71747	Element Last Seen:	2001-07-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2001-07-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-02-26	

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.79611 / -121.66666	Accuracy:	80 meters
UTM:	Zone-10 N4073084 E618954	Elevation (ft):	120
PLSS:	T13S, R03E, Sec. 17, SW (M)	Acres:	0.0

Location: ALONG STREAM, 0.25 MILE SOUTH THE JUNCTION OF SAN MIGUEL CANYON RD AND HIGHWAY 101, WEST OF HIGHWAY 101, N OF PRUNEDALE.

Detailed Location: LOCATION MAPPED ACCORDING TO COORDINATES.

Ecological: HABITAT CONSISTS OF A STREAMBED WITH RIPARIAN VEGETATION. CURRENT SURROUNDING LAND USE IS URBAN AND COMMERCIAL.

General: 1 ADULT OBSERVED ON 17 JUL 2001.

Owner/Manager: CITY OF PRUNEDALE



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Occurrence No.	1191	Map Index: 70864	EO Index: 71845	Element Last Seen:	2001-07-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-07-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-08-12

Quad Summary: San Juan Bautista (3612175)
County Summary: Monterey

Lat/Long:	36.78055 / -121.60888	Accuracy:	80 meters
UTM:	Zone-10 N4071431 E624134	Elevation (ft):	250
PLSS:	T13S, R03E, Sec. 23, S (M)	Acres:	0.0

Location: POND JUST WEST OF CRAZY HORSE CANYON ROAD, 0.6 MILE NNW OF SAN JUAN GRADE ROAD, 3.2 MILES EAST OF PRUNDALE.

Detailed Location:

Ecological: HABITAT CONSISTS OF A LARGE POND SURROUNDED BY GRASSLAND, COAST LIVE OAK WOODLAND, AND MIXED CHAPARRAL. CURRENT/SURROUNDING LAND USE IS CATTLE GRAZING.

General: 3 ADULTS OBSERVED ON 27 FEB AND 1 OBSERVED ON 17 JUL 2001. TARICHA TOROSA TOROSA ALSO IN VICINITY.

Owner/Manager: PVT

Occurrence No.	1268	Map Index: 99501	EO Index: 101048	Element Last Seen:	2015-03-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-03-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-03-28

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.81750 / -121.46082	Accuracy:	80 meters
UTM:	Zone-10 N4075733 E637280	Elevation (ft):	360
PLSS:	T13S, R05E, Sec. 07, NE (M)	Acres:	0.0

Location: SAN JUAN OAKS GOLF CLUB; ABOUT 1.7 MI SSW OF SR156 AT UNION RD & 2.0 MI ESE OF ST FRANCIS RETREAT, SW OF HOLLISTER.

Detailed Location: MAPPED TO PROVIDED COORDINATES. OBSERVATION ON DIRT ROAD LABELED IN GOOGLE EARTH AS "NOTHING RD."

Ecological: ANNUAL GRASSLAND ON ROLLING HILLS SURROUNDED BY GOLF COURSE; ARTIFICIAL PONDS NEARBY ON GOLF COURSE CONTAIN RED-EARED SLIDERS.

General: SMALL ADULT MALE OBSERVED CROSSING DIRT ROAD FROM UPLAND HABITAT TOWARDS POOLS ON 23 MAR 2015. FIRST CONFIRMED RECORD OF WESTERN POND TURTLE ON THE PROPERTY.

Owner/Manager: PVT



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Occurrence No.	1369	Map Index:	A6367	EO Index:	108126	Element Last Seen:	2016-08-22
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2016-08-22	
Occ. Type:	Natural/Native occurrence	Trend:	Stable	Record Last Updated:		2017-09-14	

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.05392 / -121.38431	Accuracy:	80 meters
UTM:	Zone-10 N4102074 E643662	Elevation (ft):	1738
PLSS:	T10S, R05E, Sec. 24, NW (M)	Acres:	5.0

Location: NORTH SIDE OF ELEPHANT HEAD RIDGE ABOUT 0.4 MI N OF KICKHAM PEAK & 1.7 MI SW OF GULNAC PEAK, CANADA DE LOS OSOS ER.

Detailed Location: KNOWN AS CORRAL POND OR OLD CORRAL POND. MAPPED TO PROVIDED COORDINATES.

Ecological: FORMER FARM POND FAR FROM PERENNIAL STREAMS, SUBJECT TO DRYING IN DROUGHT. IN GRASSLAND & BLUE OAK SAVANNA. FORMER RANCH, NOW UNGRAZED PRESERVE. UNKNOWN HOW TURTLES GOT TO THIS ISOLATED POND. 2016: POPULATION APPEARS ROBUST AND SECURE.

General: AT LEAST 33 TURTLES, INCLUDING GRAVID FEMALE & 12+ JUVENILES, CAUGHT & RELEASED IN JULY 2013. 30 ADULTS & 11 JUVENILES CAUGHT IN 2016. 63 DIFFERENT TURTLES WERE CAUGHT BETWEEN THE 2013 & 2016 SAMPLINGS.

Owner/Manager: DFG-CANADA DE LOS OSOS ER

Occurrence No.	1473	Map Index:	B1241	EO Index:	113135	Element Last Seen:	2016-11-10
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2016-11-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-10-24	

Quad Summary: San Felipe (3612184)
County Summary: Santa Clara

Lat/Long:	36.98761 / -121.38191	Accuracy:	80 meters
UTM:	Zone-10 N4094721 E644000	Elevation (ft):	267
PLSS:	T11S, R05E, Sec. 12, SW (M)	Acres:	5.0

Location: POND AT CASA DE FRUTA REST STOP, E SIDE OF HWY 152 ABOUT 0.6 MILES N OF THE WALNUT AVE JCT & 2.3 MILES NE OF SAN FELIPE.

Detailed Location: MAPPED TO PROVIDED COORDINATES.

Ecological: ARTIFICIAL POND IN DEVELOPED RESORT/REST STOP ADJACENT TO PACHECO CREEK. AGRICULTURAL LAND USE TO EAST, HIGHWAY & DISTURBED GRASSLAND TO WEST. DISTURBANCES FROM FOOT AND VEHICLE TRAFFIC AND TRASH NOTED.

General: 1 ADULT OBSERVED OBN 10 NOV 2016.

Owner/Manager: PVT



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Occurrence No.	1483	Map Index: B2319	EO Index: 114244	Element Last Seen: 20XX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 20XX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2019-03-01

Quad Summary: Chittenden (3612185)

County Summary: Santa Clara

Lat/Long:	36.92184 / -121.54855	Accuracy:	1/10 mile
UTM:	Zone-10 N4087185 E629280	Elevation (ft):	141
PLSS:	T12S, R04E, Sec. 5, NE (M)	Acres:	18.0

Location: W SIDE US-101 ABOUT 0.3 MI N OF THE PAJARO RIVER CROSSING AND 2.6 MILES NNE OF CA-129 AT SCHOOL RD, SARGENT RANCH.

Detailed Location: MAPPED TO PROVIDED MAP AND COORDINATES.

Ecological: PROPERTY USED FOR CATTLE RANCHING AND OIL EXTRACTION, WITH QUARRY PROPOSED IN 2017.

General: DETECTED DURING SURVEYS IN 2000-2001 AND/OR 2005-2015.

Owner/Manager: PVT

Anniella pulchra **Element Code:** ARACC01020

Northern California legless lizard

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3
	State: None		State: S3

Other: CDFW_SSC-Species of Special Concern, USFS_S-Sensitive

Habitat: **General:** SANDY OR LOOSE LOAMY SOILS UNDER SPARSE VEGETATION.

Micro: SOIL MOISTURE IS ESSENTIAL. THEY PREFER SOILS WITH A HIGH MOISTURE CONTENT.

Occurrence No.	379	Map Index: B1999	EO Index: 113922	Element Last Seen: 2018-08-15
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2018-08-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2019-01-16

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.81872 / -121.71746	Accuracy:	80 meters
UTM:	Zone-10 N4075530 E614388	Elevation (ft):	203
PLSS:	T13S, R02E, Sec. 11, NE (M)	Acres:	5.0

Location: 0.3 AIR MILES NE OF THE INTERSECTION OF ELKHORN RD & WALKER VALLEY RD, EAST OF MOSS LANDING, NE OF CASTROVILLE.

Detailed Location: MAPPED TO PROVIDED COORDINATES.

Ecological: AREA APPEARS TO BE LOW DENSITY RESIDENTIAL IN OAK WOODLAND.

General: ONE FOUND AND PHOTOGRAPHED ON 15 AUG 2018.

Owner/Manager: PVT



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<i>Phrynosoma blainvillii</i>		Element Code: ARACF12100	
coast horned lizard			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3G4
	State: None		State: S3S4
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern		
Habitat:	General: FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.		
	Micro: OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.		

Occurrence No.	614	Map Index: 42253	EO Index: 42253	Element Last Seen:	1994-05-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1994-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-01-24
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.09441 / -121.43254		Accuracy:	2/5 mile	
UTM:	Zone-10 N4106495 E639298		Elevation (ft):	2500	
PLSS:	T10S, R05E, Sec. 04 (M)		Acres:	0.0	
Location:	NEAR WILSON PEAK, 2 MILES ESE OF GILROY HOT SPRINGS.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A MIXTURE OF SCRUB, GRASSLAND, AND WOODLAND.				
General:	1 ADULT OBSERVED IN AN OPEN AREA OF GRASSLAND.				
Owner/Manager:	DPR				

Occurrence No.	900	Map Index: 98859	EO Index: 110569	Element Last Seen:	1894-05-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1894-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-03-27
Quad Summary:	Mt. Madonna (3712116), Morgan Hill (3712126)				
County Summary:	Santa Clara				
Lat/Long:	37.12941 / -121.65562		Accuracy:	1 mile	
UTM:	Zone-10 N4110074 E619417		Elevation (ft):	350	
PLSS:	T09S, R03E, Sec. 28 (M)		Acres:	0.0	
Location:	VICINITY OF MORGAN HILL.				
Detailed Location:	MAPPED TO PROVIDED LOCALITY.				
Ecological:					
General:	1 COLLECTED 2 MAY 1894.				
Owner/Manager:	UNKNOWN				



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<i>Masticophis flagellum ruddocki</i>		Element Code: ARADB21021
San Joaquin coachwhip		
Listing Status:	Federal: None	CNDDDB Element Ranks: Global: G5T2T3
	State: None	State: S2?
	Other: CDFW_SSC-Species of Special Concern	
Habitat:	General: OPEN, DRY HABITATS WITH LITTLE OR NO TREE COVER. FOUND IN VALLEY GRASSLAND AND SALTBUSH SCRUB IN THE SAN JOAQUIN VALLEY.	
	Micro: NEEDS MAMMAL BURROWS FOR REFUGE AND OVIPOSITION SITES.	

Occurrence No.	1	Map Index: 33714	EO Index: 29903	Element Last Seen: 1996-04-23
Occ. Rank:	Poor	Presence: Presumed Extant	Site Last Seen: 1996-04-23	
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Record Last Updated: 1997-03-17	

Quad Summary:	Hollister (3612174)
County Summary:	San Benito

Lat/Long:	36.84543 / -121.42534	Accuracy:	1/5 mile
UTM:	Zone-10 N4078882 E640395	Elevation (ft):	250
PLSS:	T12S, R05E, Sec. 33 (M)	Acres:	0.0

Location:	SAN BENITO RIVER CHANNEL, 0.5 MILE SOUTH OF HWY 156, WEST OF HOLLISTER.
Detailed Location:	
Ecological:	HABITAT CONSISTS OF DEGRADED RIPARIAN SCRUB, CONSISTING OF COYOTE BUSH, MULEFAT, TREE TOBACCO, BLUE ELDERBERRY, AND ATRIPLEX, WITH AN UNDERSTORY OF ANNUAL RUDERAL SPECIES.
General:	ON 23 APRIL 1996, ONE ADULT WAS OBSERVED ON THE SURFACE BRIEFLY BEFORE IT ENTERED A BURROW.
Owner/Manager:	PVT



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Central Maritime Chaparral

Element Code: CTT37C20CA

Central Maritime Chaparral

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2.2

Other:

Habitat: **General:**

Micro:

Occurrence No. 1 **Map Index:** 10718 **EO Index:** 25356 **Element Last Seen:** 1980-XX-XX

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1980-XX-XX

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1998-07-14

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long: 36.82105 / -121.70093 **Accuracy:** 1 mile

UTM: Zone-10 N4075808 E615859 **Elevation (ft):** 200

PLSS: T13S, R02E, Sec. 12 (M) **Acres:** 0.0

Location: LONG VALLEY, 5 MILES NORTHEAST OF CASTROVILLE OR 1 MILE EAST OF ELKHORN.

Detailed Location: MAPPED NEAR THE MIDDLE OF LONG CANYON.

Ecological: GOOD STANDS OF THE ENDEMICS, ARCTOSTAPHYLOS PAJAROENSIS, A. HOOKERI AND CEANOTHUS RIGIDUS.

General: WORTHY OF PRESERVATION PER GRIGGS. SOME OF THIS OCCURRENCE IS WITHIN MANZANITA REGIONAL PARK. SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN



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Northern Coastal Salt Marsh		Element Code: CTT52110CA	
Northern Coastal Salt Marsh			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G3
	State: None		State: S3.2
	Other:		
Habitat:	General: <input type="checkbox"/>		
	Micro: <input type="checkbox"/>		

Occurrence No.	29	Map Index:	10600	EO Index:	16139	Element Last Seen:	1972-11-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1972-11-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-07-20	

Quad Summary: Prunedale (3612176), Moss Landing (3612177)
County Summary: Monterey

Lat/Long:	36.83503 / -121.74406	Accuracy:	specific area
UTM:	Zone-10 N4077307 E611992	Elevation (ft):	
PLSS:	T13S, R02E, Sec. 03 (M)	Acres:	1199.3

Location: ELKHORN SLOUGH AT MOSS LANDING.
Detailed Location: ONLY USFWS E2EMN WETLAND WAS MAPPED.
Ecological: 312 HA SALT MARSH DOMINATED BY SALICORNIA; ASSOC W/EUSALINE LAGOON.
General: PARTIALLY OWNED BY STATE; ESTUARINE SANCTUARY. SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Owner/Manager: STATE?



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Coastal Brackish Marsh

Element Code: CTT52200CA

Coastal Brackish Marsh

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2.1

Other:

Habitat: **General:**

Micro:

Occurrence No. 26 **Map Index:** 10594 **EO Index:** 16095 **Element Last Seen:** 1985-11-16

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1985-11-16

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1998-07-16

Quad Summary: Prunedale (3612176), Moss Landing (3612177)

County Summary: Monterey

Lat/Long: 36.78776 / -121.75319

Accuracy: specific area

UTM: Zone-10 N4072053 E611246

Elevation (ft): 15

PLSS: T13S, R02E, Sec. 21 (M)

Acres: 449.4

Location: MORO COJO SLOUGH, 2 MILES NORTH OF CASTROVILLE.

Detailed Location:

Ecological: SCIRPUS, TYPHA & JUNCUS DOMINANT W/TRANSITION FROM SALT MARSH IN LOWER PORTION; SOME SEASONAL MARSH.

General: SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: PVT



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Sycamore Alluvial Woodland

Element Code: CTT62100CA

Sycamore Alluvial Woodland

Listing Status: Federal: None

CNDDDB Element Ranks: Global: G1

State: None

State: S1.1

Other:

Habitat: General:

Micro:

Occurrence No. 12 **Map Index:** 22649 **EO Index:** 8241 **Element Last Seen:** 1992-11-11

Occ. Rank: Good **Presence:** Presumed Extant **Site Last Seen:** 1992-11-11

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1998-07-21

Quad Summary: Gilroy Hot Springs (3712114)

County Summary: Santa Clara

Lat/Long: 37.07341 / -121.48133 **Accuracy:** specific area

UTM: Zone-10 N4104094 E634999 **Elevation (ft):** 836

PLSS: T10S, R04E, Sec. 12, S (M) **Acres:** 49.2

Location: UPPER COYOTE CK AT SOUTH END OF PALASSOU RIDGE; AT INTERSECTION OF GILROY HOT SPRINGS RD AND CANADA RD, SANTA CLARA CO.

Detailed Location: SEVEN POLYGONS ALONG COYOTE CREEK EXTENDING FROM THE SW CORNER OF SECTION 7 NEAR INTERSECTION OF UNPAVED RD AND GILROY HOT SPRINGS RD TO CONFLUENCE OF COYOTE AND BEAR CREEKS.

Ecological: PLATANUS RACEMOSA DOMINATED ALLUVIAL TERRACE & STREAMSIDE COMMUNITY ALONG INTERMITTENT CREEK W/ VARIABLE MIXTURE OF SUBDOMINANTS. PRESENCE OF UMBELLULARIA & QUERCUS AGRIFOLIA INDICATES COASTAL-MESIC INFLUENCE. SURR BY Q. AGRIFOLIA WOODLAND.

General: SYCAMORE STEMS OF VARIABLE SIZE; RECENT DISTURBANCE LIKELY. ALLUVIUM DERIVED FROM FRANCISCAN SEDIMENTARY ROCKS. SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: PVT



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<i>Linderiella occidentalis</i>		Element Code: ICBRA06010	
California linderiella			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2G3
	State: None		State: S2S3
	Other: IUCN_NT-Near Threatened		
Habitat:	General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.		
	Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TOTAL DISSOLVED SOLIDS.		

Occurrence No.	173	Map Index:	42474	EO Index:	42516	Element Last Seen:	1999-05-06
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1999-05-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2000-03-09	

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.81715 / -121.45526	Accuracy:	80 meters
UTM:	Zone-10 N4075701 E637777	Elevation (ft):	370
PLSS:	T13S, R05E, Sec. 07 (M)	Acres:	0.0

Location: 1.9 MILES SSE OF THE INTERSECTION OF FLINT ROAD AND HIGHWAY 156, SAN JUAN OAKS GOLF COURSE.
Detailed Location:
Ecological: HABITAT IS AN ARTIFICIALLY-CREATED POND AT THE EDGE OF A GOLF COURSE (NOT PART OF THE GOLF COURSE LAYOUT), DENSE AQUATIC VEG IN SHALLOWS, WATER DEPTH 1 FT 4 INCHES, SURFACE TEMP 60 F. SURROUNDED BY GOLF COURSE, AGRICULTURE & CATTLE GRAZING.
General: 2 ADULTS WERE OBSERVED ON 6 MAY 1999, DURING DIPNET SAMPLING FOR CALIFORNIA TIGER SALAMANDER.
Owner/Manager: PVT-SAN JUAN OAKS GOLF COURSE

Occurrence No.	174	Map Index:	42517	EO Index:	42517	Element Last Seen:	1999-05-06
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1999-05-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2000-03-09	

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.81870 / -121.46270	Accuracy:	80 meters
UTM:	Zone-10 N4075862 E637111	Elevation (ft):	370
PLSS:	T13S, R05E, Sec. 07 (M)	Acres:	0.0

Location: 1.65 MILES SSE OF THE INTERSECTION OF FLINT ROAD AND HIGHWAY 156, SAN JUAN OAKS GOLF COURSE.
Detailed Location:
Ecological: HABITAT CONSISTS OF A SEASONAL POND, BERMED BY A ROAD BED, AT THE EDGE OF A GOLF COURSE (NOT PART OF THE GOLF COURSE LAYOUT); SURROUNDED BY GOLF COURSE, AGRICULTURE, AND CATTLE GRAZING.
General: 2 ADULTS WERE OBSERVED ON 6 MAY 1999, DURING SAMPLING FOR CALIFORNIA TIGER SALAMANDER.
Owner/Manager: PVT-SAN JUAN OAKS GOLF COURSE



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<i>Optioservus canus</i>		Element Code: IICOL5E020	
Pinnacles optioservus riffle beetle			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S1
	Other:		
Habitat:	General: AQUATIC.		
	Micro: FOUND ON ROCKS AND IN GRAVEL OF RIFFLES IN COOL, SWIFT, CLEAR STREAMS.		

Occurrence No.	3	Map Index: 58240	EO Index: 58276	Element Last Seen:	198X-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	198X-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-11-29
Quad Summary:	Hollister (3612174), San Juan Bautista (3612175), Chittenden (3612185)				
County Summary:	San Benito				
Lat/Long:	36.86143 / -121.49395		Accuracy:	specific area	
UTM:	Zone-10 N4080559 E634249		Elevation (ft):	120	
PLSS:	T12S, R04E, Sec. 26 (M)		Acres:	637.1	
Location:	SAN BENITO RIVER.				
Detailed Location:					
Ecological:					
General:	OBSERVED BY SHEPARD, BUT NO OTHER INFORMATION GIVEN. BASED ON DATE OF PUBLICATION, COLLECTION WAS SOMETIME BETWEEN 1985 & 1989.				
Owner/Manager:	UNKNOWN				

<i>Bombus occidentalis</i>		Element Code: IIHYM24250	
western bumble bee			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2G3
	State: None		State: S1
	Other: USFS_S-Sensitive		
Habitat:	General: ONCE COMMON AND WIDESPREAD, SPECIES HAS DECLINED PRECIPITOUSLY FROM CENTRAL CA TO SOUTHERN B.C., PERHAPS FROM DISEASE.		
	Micro: <input type="checkbox"/>		

Occurrence No.	256	Map Index: 98859	EO Index: 100365	Element Last Seen:	1940-07-11
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1940-07-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-01-21
Quad Summary:	Mt. Madonna (3712116), Morgan Hill (3712126)				
County Summary:	Santa Clara				
Lat/Long:	37.12941 / -121.65562		Accuracy:	1 mile	
UTM:	Zone-10 N4110074 E619417		Elevation (ft):	350	
PLSS:	T09S, R03E, Sec. 28 (M)		Acres:	0.0	
Location:	MORGAN HILL.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN THE VICINITY OF THE CITY OF MORGAN HILL, IN SANTA CLARA VALLEY.				
Ecological:					
General:	COLLECTED 11 JUL 1940.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	267	Map Index: 87730	EO Index: 100381	Element Last Seen: 1959-08-31
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1959-08-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-01-21

Quad Summary: Watsonville East (3612186), Watsonville West (3612187)

County Summary: Monterey, Santa Cruz

Lat/Long:	36.91050 / -121.75519	Accuracy:	1 mile
UTM:	Zone-10 N4085667 E610890	Elevation (ft):	40
PLSS:	T12S, R02E, Sec. 04 (M)	Acres:	0.0

Location: WATSONVILLE.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AT THE CITY OF WATSONVILLE.

Ecological:

General: COLLECTED 31 AUG 1959.

Owner/Manager: UNKNOWN

Occurrence No.	304	Map Index: B6731	EO Index: 119793	Element Last Seen: 1994-03-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1994-03-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2020-12-17

Quad Summary: Watsonville East (3612186), Watsonville West (3612187)

County Summary: Santa Cruz

Lat/Long:	36.94667 / -121.7475	Accuracy:	1 mile
UTM:	Zone-10 N4089689 E611522	Elevation (ft):	51
PLSS:	T11S, R02E, Sec. 28 (M)	Acres:	1987.0

Location: VICINITY OF COLLEGE LAKE IN WATSONVILLE.

Detailed Location: SPECIMEN LOCALITY GIVEN AS "COLLEGE LK, WATSONVILLE." EXACT COLLECTION LOCATION UNKNOWN.

Ecological: FOUND IN URBAN HABITAT.

General: 1 QUEEN COLLECTED ON 17 MAR 1994.

Owner/Manager: UNKNOWN

Occurrence No.	305	Map Index: B6733	EO Index: 119795	Element Last Seen: 1994-10-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1994-10-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2020-12-17

Quad Summary: Watsonville East (3612186)

County Summary: Monterey, Santa Cruz

Lat/Long:	36.92397 / -121.69693	Accuracy:	1 mile
UTM:	Zone-10 N4087231 E616061	Elevation (ft):	56
PLSS:	T12S, R02E, Sec. 1 (M)	Acres:	1987.0

Location: KELLY-THOMPSON RANCH, NEAR THE INTERSECTION OF CARLTON ROAD AND HIGHWAY 129, EAST OF WATSONVILLE.

Detailed Location: SPECIMEN LOCALITIES PROVIDED AS "KELLY-THOMPSON RANCH" OR SIMILAR. MAPPED GENERALLY BASED ON RESULTS OF GOOGLE MAPS AND PARCEL SEARCHES; EXACT COLLECTION LOCATION UNKNOWN.

Ecological: FOUND ON FLOWERS OF ERIOGONUM NUDUM, ADENOSTOMA FASCICULATUM, AND ERICAMERIA ERICOIDES IN GRASSLAND HABITAT.

General: 3 WORKERS COLLECTED ON 30 JUL 1994. 2 MALES AND 1 WORKER COLLECTED ON 9 SEP 1994. 1 MALE COLLECTED ON 2 OCT 1994.

Owner/Manager: PVT



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<i>Bombus caliginosus</i>		Element Code: IIHYM24380	
obscure bumble bee			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2G3
	State: None		State: S1S2
	Other: IUCN_VU-Vulnerable		
Habitat:	General: COASTAL AREAS FROM SANTA BARBARA COUNTY TO NORTH TO WASHINGTON STATE.		
	Micro: FOOD PLANT GENERA INCLUDE BACCHARIS, CIRSIUM, LUPINUS, LOTUS, GRINDELIA AND PHACELIA.		

Occurrence No.	137	Map Index:	96763	EO Index:	97976	Element Last Seen:	1935-07-22
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1935-07-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-07-15	

Quad Summary: Chittenden (3612185)
County Summary: San Benito, Santa Clara

Lat/Long:	36.91940 / -121.54799	Accuracy:	1 mile
UTM:	Zone-10 N4086915 E629334	Elevation (ft):	150
PLSS:	T12S, R04E, Sec. 05 (M)	Acres:	0.0

Location: SARGENT.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN GENERAL VICINITY OF SARGENT, SOUTH OF GILROY.
Ecological:
General: COLLECTED 22 JUL 1935.
Owner/Manager: UNKNOWN

<i>Bombus crotchii</i>		Element Code: IIHYM24480	
Crotch bumble bee			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S1S2
	Other:		
Habitat:	General: COASTAL CALIFORNIA EAST TO THE SIERRA-CASCADE CREST AND SOUTH INTO MEXICO.		
	Micro: FOOD PLANT GENERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA, DENDROMECON, ESCHSCHOLZIA, AND ERIOGONUM.		

Occurrence No.	25	Map Index:	79153	EO Index:	98638	Element Last Seen:	1959-04-26
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1959-04-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-08-27	

Quad Summary: Gilroy (3712115)
County Summary: Santa Clara

Lat/Long:	37.08584 / -121.60654	Accuracy:	1 mile
UTM:	Zone-10 N4105303 E623848	Elevation (ft):	300
PLSS:	T10S, R03E, Sec. 02 (M)	Acres:	0.0

Location: SAN MARTIN.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN THE GENERAL VICINITY OF SAN MARTIN.
Ecological:
General: COLLECTED 26 APR 1959.
Owner/Manager: UNKNOWN



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Adela oplerella		Element Code: IILEE0G040	
Opler's longhorn moth			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
Habitat:	Other:		
	General:	FROM MARIN COUNTY AND THE OAKLAND AREA ON THE INNER COAST RANGES SOUTH TO SANTA CLARA COUNTY. ONE RECORD FROM SANTA CRUZ COUNTY.	
	Micro:	ALL BUT SANTA CRUZ SITE IS ON SERPENTINE GRASSLAND. LARVAE FEED ON PLATYSTEMON CALIFORNICUS.	

Occurrence No.	7	Map Index:	42584	EO Index:	42584	Element Last Seen:	1993-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2012-10-26		
Quad Summary:	Gilroy (3712115), Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.07231 / -121.62794		Accuracy:	specific area			
UTM:	Zone-10 N4103774 E621968		Elevation (ft):	500			
PLSS:	T10S, R03E, Sec. 10, S (M)		Acres:	103.7			
Location:	"HAYES VALLEY" SITE, NORTH SIDE OF HAYES VALLEY, 1 MILE SW OF SAN MARTIN, SOUTH OF MORGAN HILL.						
Detailed Location:	ESSIG MUSEUM RECORD FROM "WEST OF SAN MARTIN" (EXACT LOCATION UNKNOWN). MAPPED TO FIELD SURVEY FORM MAP FROM 1990-1993 SW OF SAN MARTIN.						
Ecological:	HABITAT CONSISTS OF SERPENTINE GRASSLAND. UNDEVELOPED IN 2012 AIR PHOTO; APPEARS TO BE OAK WOODLAND & GRASSLAND WITH A GOLF COURSE TO THE SOUTH.						
General:	ESSIG MUSEUM OF ENTOMOLOGY #EMEC70680 COLLECTED 14 MAR 1986. ACTIVE SITE 1990-93.						
Owner/Manager:	PVT						



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<i>Euphydryas editha bayensis</i>		Element Code: IILEPK4055	
Bay checkerspot butterfly			
Listing Status:	Federal: Threatened	CNDDDB Element Ranks:	Global: G5T1
	State: None		State: S1
Habitat:	General: RESTRICTED TO NATIVE GRASSLANDS ON OUTCROPS OF SERPENTINE SOIL IN THE VICINITY OF SAN FRANCISCO BAY.		
	Micro: PLANTAGO ERECTA IS THE PRIMARY HOST PLANT; ORTHOCARPUS DENSIFLORUS AND O. PURPURSCENS ARE THE SECONDARY HOST PLANTS.		

Occurrence No.	14	Map Index:	38606	EO Index:	33613	Element Last Seen:	2015-03-21
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2015-03-21	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-03-05	

Quad Summary:	Gilroy (3712115)		
County Summary:	Santa Clara		
Lat/Long:	37.10863 / -121.55346	Accuracy:	non-specific area
UTM:	Zone-10 N4107902 E628527	Elevation (ft):	1100
PLSS:	T09S, R04E, Sec. 32 (M)	Acres:	141.5

Location:	ALONG THE RIDGE WEST OF COYOTE RESERVOIR, JUST SW OF THE DAM ON COYOTE RESERVOIR, 6 MILES NORTH OF GILROY.
Detailed Location:	COYOTE LAKE-HARVEY BEAR RANCH COUNTY PARK. 2015 DETECTION ALONG CALAVERAS TRAIL, EXACT LOCATION UNKNOWN. MAPPED TO AREA INDICATED ON MAPS ATTACHED TO 1990S FIELD SURVEY FORMS.
Ecological:	1999: SERPENTINE GRASSLAND LOCATED IN A SERIES OF SERPENTINE PATCHES ALONG THE EAST-FACING SLOPE OF THE RIDGE. 2015: DETECTED IN ABUNDANT WILDFLOWERS ON SERPENTINE SOIL, INCLUDING DWARF PLANTAIN, GOLDFIELDS & TIDYTIPS.
General:	PRESUMED EXTIRPATED IN 1977 DUE TO OVERGRAZING & DROUGHT. 1000S OF ADULTS OBSERVED IN 1994. 6 ADULTS OBS 25 MARCH 1997. 1 ADULT OBS 14 APR 1999. NONE DETECTED DURING ANNUAL MONITORING 1999-2008. MANY ADULTS OBS 21 MAR 2015.
Owner/Manager:	SCL COUNTY

Occurrence No.	19	Map Index:	10859	EO Index:	22984	Element Last Seen:	1985-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1985-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1989-08-11	

Quad Summary:	Mt. Madonna (3712116)		
County Summary:	Santa Clara		
Lat/Long:	37.07050 / -121.64439	Accuracy:	1 mile
UTM:	Zone-10 N4103552 E620508	Elevation (ft):	500
PLSS:	T10S, R03E, Sec. 09 (M)	Acres:	0.0

Location:	2.5 MI WSW OF SAN MARTIN, S OF MORGAN HILL.
Detailed Location:	
Ecological:	SERPENTINE GRASSLAND HABITAT CONTAINING THE TWO LARVAL FOODPLANTS, PLANTAGO ERECTA AND ORTHOCARPUS DENSIFLORUS.
General:	SMALL OUTCROP DISCOVERED BY ARNOLD IN 1985. "SATELLITE" COLONY; POSSIBLY A RECOLONIZATION FROM THE MORGAN HILL COLONY, RESULTING FROM THE SEVERE DROUGHT OF 1977.
Owner/Manager:	UNKNOWN



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Gonidea angulata		Element Code: IMBIV19010	
western ridged mussel			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3
	State: None		State: S1S2
Other:			
Habitat:	General: PRIMARILY CREEKS AND RIVERS AND LESS OFTEN LAKES. ORIGINALLY IN MOST OF STATE, NOW EXTIRPATED FROM CENTRAL AND SOUTHERN CALIFORNIA.		
	Micro: <input type="checkbox"/>		

Occurrence No.	139	Map Index: B5978	EO Index: 119002	Element Last Seen: XXXX-XX-XX
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen: 2009-08-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2020-08-21

Quad Summary: Watsonville East (3612186)
County Summary: Monterey, San Benito, Santa Cruz

Lat/Long:	36.89411 / -121.64405	Accuracy:	2/5 mile
UTM:	Zone-10 N4083984 E620817	Elevation (ft):	62
PLSS:	T12S, R03E, Sec. 16 (M)	Acres:	280.0

Location: PAJARO RIVER AT THE ROGGE LANE CROSSING.
Detailed Location: MAPPED TO COORDINATES GIVEN FOR 2009 HOWARD SITE JKH09-043, "PAJARO RIVER ROGGE LANE OFF CA 129, UNDER BRIDGE NEAR AROMAS- ABOUT 100 FT FROM MONTEREY COUNTY LINE." EXACT LOCATION OF HISTORICAL OCCURRENCE UNKNOWN.
Ecological: ANODONTA AND MARGARITIFERA WERE ALSO HISTORICALLY FOUND HERE; ONLY ANODONTA FOUND IN 2009.
General: HISTORICAL LOCALITY, PER HOWARD 2010 REPORT. LOCALITY LISTED IN TAYLOR (1981). NONE FOUND IN SURVEY ON 29 AUG 2009.
Owner/Manager: UNKNOWN

Occurrence No.	148	Map Index: B5862	EO Index: 119043	Element Last Seen: XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2009-08-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2020-08-21

Quad Summary: Three Sisters (3612183), San Felipe (3612184), Pacheco Peak (3712113)
County Summary: San Benito, Santa Clara

Lat/Long:	36.98615 / -121.38274	Accuracy:	non-specific area
UTM:	Zone-10 N4094558 E643929	Elevation (ft):	264
PLSS:	T11S, R05E, Sec. 12 (M)	Acres:	1077.0

Location: PACHECO CREEK.
Detailed Location: HISTORICAL SPECIMEN LOCALITY GIVEN ONLY AS "PACHECO CREEK," EXACT LOCATION UNKNOWN. MAPPED TO CREEK BELOW LAKE. 2009 HOWARD SITE JKH09-044 SURVEY LOCATION GIVEN AS "PACHECO CREEK, WALNUT AVE EXIT OFF 152 ABOUT 1/4 MI E OF CASA DE FRUTA."
Ecological:
General: 7 VALVES COLLECTED FROM PACHECO CREEK ON UNKNOWN DATE. NO MUSSELS FOUND DURING 2009 SURVEY.
Owner/Manager: UNKNOWN



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<i>Helminthoglypta sequoicola consors</i>		Element Code: IMGASC2421
redwood shoulderband		
Listing Status:	Federal: None	CNDDB Element Ranks: Global: G2T1
	State: None	State: S1
	Other: IUCN_DD-Data Deficient	
Habitat:	General: KNOWN ONLY FROM SOUTH SLOPE OF SAN JUAN GRADE, NEAR FOOT, 8 MILES NW OF SALINAS.	
	Micro: <input type="checkbox"/>	

Occurrence No.	1	Map Index: 10911	EO Index: 23084	Element Last Seen: XXXX-XX-XX
Occ. Rank:	Unknown	Presence: Presumed Extant	Site Last Seen: XXXX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Record Last Updated: 2005-11-29	
Quad Summary:	San Juan Bautista (3612175)			
County Summary:	Monterey			
Lat/Long:	36.77495 / -121.60134	Accuracy:	1 mile	
UTM:	Zone-10 N4070819 E624816	Elevation (ft):	275	
PLSS:	T13S, R03E, Sec. 26 (M)	Acres:	0.0	
Location:	SOUTH SLOPE OF SAN JUAN GRADE, 8 MILES NE OF SALINAS.			
Detailed Location:				
Ecological:				
General:				
Owner/Manager:	PVT			

<i>Tryonia imitator</i>		Element Code: IMGASJ7040
mimic tryonia (=California brackishwater snail)		
Listing Status:	Federal: None	CNDDB Element Ranks: Global: G2
	State: None	State: S2
	Other: IUCN_DD-Data Deficient	
Habitat:	General: INHABITS COASTAL LAGOONS, ESTUARIES AND SALT MARSHES, FROM SONOMA COUNTY SOUTH TO SAN DIEGO COUNTY.	
	Micro: FOUND ONLY IN PERMANENTLY SUBMERGED AREAS IN A VARIETY OF SEDIMENT TYPES; ABLE TO WITHSTAND A WIDE RANGE OF SALINITIES.	

Occurrence No.	17	Map Index: 10618	EO Index: 23210	Element Last Seen: 2007-XX-XX
Occ. Rank:	Unknown	Presence: Presumed Extant	Site Last Seen: 2008-04-XX	
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Record Last Updated: 2012-03-07	
Quad Summary:	Prunedale (3612176)			
County Summary:	Monterey			
Lat/Long:	36.80987 / -121.74227	Accuracy:	1/5 mile	
UTM:	Zone-10 N4074519 E612187	Elevation (ft):	4	
PLSS:	T13S, R02E, Sec. 10 (M)	Acres:	0.0	
Location:	PARSONS SLOUGH, ON THE SOUTHEAST EDGE OF ELKHORN SLOUGH, ABOUT 3 MILES NORTH OF CASTROVILLE.			
Detailed Location:				
Ecological:	WELL FLUSHED WETLAND WITH NO CULVERTS CONSTRAINING TIDAL FLOW.			
General:	1982: LIVING POPULATION FOUND IN KELLOGG'S STUDY. ONE FOUND AT 1 OF 4 SAMPLING STATIONS DURING 14 AUG TO 4 SEP 2007 SAMPLING PERIOD; NONE FOUND DURING FOLLOWING SAMPLING PERIOD IN APRIL 2008.			
Owner/Manager:	DFG-ELKHORN SLOUGH ER			



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Occurrence No.	19	Map Index: 10583	EO Index: 23209	Element Last Seen:	2008-04-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2008-04-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2012-02-23

Quad Summary: Prunedale (3612176), Moss Landing (3612177)

County Summary: Monterey

Lat/Long:	36.85573 / -121.75337	Accuracy:	1/5 mile
UTM:	Zone-10 N4079593 E611131	Elevation (ft):	10
PLSS:	T12S, R02E, Sec. 28, S (M)	Acres:	0.0

Location: PORTER MARSH, AKA ELKHORN SLOUGH HUDSONS LANDING, ABOUT 4 MI NNE OF MOSS LANDING.

Detailed Location:

Ecological: HABITAT IS BRACKISH-WATER MARSH DOMINATED BY SALICORNIA. VERY RESTRICTED TIDAL REGIME.

General: 1979: ONLY EMPTY, BUT FRESH-APPEARING SHELLS FOUND. ONE FOUND AT 1 OF 4 STATIONS DURING 14 AUG TO 4 SEP 2007 SAMPLING PERIOD; 7 FOUND AT 3 OF 4 STATIONS DURING 4-24 APR 2008 SAMPLING PERIOD.

Owner/Manager: TNC, UNKNOWN

Occurrence No.	37	Map Index: 85159	EO Index: 86179	Element Last Seen:	2007-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2007-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2012-12-05

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.83853 / -121.73856	Accuracy:	specific area
UTM:	Zone-10 N4077703 E612477	Elevation (ft):	12
PLSS:	T12S, R02E, Sec. 34, SW (M)	Acres:	10.0

Location: ESTRADA MARSH, BETWEEN ELKHORN SLOUGH AND ELKHORN RD AND SOUTH OF KIRBY RD. ELKHORN SLOUGH ECOLOGICAL RESERVE.

Detailed Location: SAMPLES TAKEN FROM THE SOUTHERN END OF THE MARSH.

Ecological: SALINITY WAS 47% IN SUMMER 2007. WATER WAS ONLY 30 CM DEEP. EXTENSIVE PATCHES OF DECAYING GREEN ALGAL MATS IN A MOSAIC OF PICKLEWEED WHICH FRINGED THE ENTIRE MARSH. VERY RESTRICTED TIDAL REGIME.

General: 5 COLLECTED AT 1 OF 4 STATIONS BETWEEN 14 AUG & 4 SEP 2007; NONE COLLECTED IN APR 2008 OF SAME STUDY.

Owner/Manager: DFG-ELKHORN SLOUGH ER

<i>Eryngium aristulatum var. hooveri</i>		Element Code: PDAPI0Z043
Hoover's button-celery		
Listing Status:	Federal: None	CNDDB Element Ranks: Global: G5T1
	State: None	State: S1
	Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	
Habitat:	General: VERNAL POOLS.	
	Micro: ALKALINE DEPRESSIONS, VERNAL POOLS, ROADSIDE DITCHES AND OTHER WET PLACES NEAR THE COAST. 1-50 M.	



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Occurrence No.	3	Map Index: 49791	EO Index: 56042	Element Last Seen:	2007-06-13
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-06-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-09-06
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito, Santa Clara				
Lat/Long:	36.98398 / -121.46356		Accuracy:	non-specific area	
UTM:	Zone-10 N4094198 E636739		Elevation (ft):	160	
PLSS:	T11S, R05E, Sec. 07, S (M)		Acres:	52.0	
Location:	SAN FELIPE LAKE, 2.9 MILES WEST OF HWY 152 INTERSECTION WITH SAN FELIPE ROAD.				
Detailed Location:	3 POLYGONS. NORTHERN POLYGON MAPPED ACCORDING TO 1978 COLLECTION FROM "N END OF SAN FELIPE LAKE, ON HIGHWAY 152." 2 SOUTH POLYGONS MAPPED ACCORDING TO A MAP FROM A 2007 SURVEY FOR NAVARRETIA PROSTRATA WITH ERYNGIUM MENTIONED AS ASSOCIATE.				
Ecological:	SLIGHTLY ALKALINE DEPRESSIONS IN LACUSTRINE PLAIN; PLANTS SCATTERED IN REMNANTS OF VERNAL POOLS. ASSOCIATED WITH NAVARRETIA PROSTRATA, POLYGONUM SP., CRYPISIS SCHOENOIDES, PASPALUM DISTICHUM, SCIRPUS CALIFORNICUS, XANTHIUM STRUMARIUM, ETC.				
General:	TYPE LOCALITY. UNKNOWN NUMBER OF PLANTS SEEN IN 1978. ABOUT 200 PLANTS IN GOOD CONDITION SEEN IN 1996. UNKNOWN NUMBER OF PLANTS SEEN IN 2004, 2005, AND 2007. NEEDS MAP DETAIL.				
Owner/Manager:	PVT, UNKNOWN				
Occurrence No.	4	Map Index: 56027	EO Index: 56043	Element Last Seen:	1933-08-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1933-08-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-09-11
Quad Summary:	San Felipe (3612184), Chittenden (3612185)				
County Summary:	San Benito				
Lat/Long:	36.93608 / -121.48603		Accuracy:	non-specific area	
UTM:	Zone-10 N4088853 E634823		Elevation (ft):		
PLSS:	T11S, R04E, Sec. 36 (M)		Acres:	136.0	
Location:	LA BOLSA ROAD BETWEEN GILROY AND HOLLISTER, 7 MILES NORTH OF HOLLISTER.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB AROUND 7 ROAD MILES NW OF HOLLISTER ALONG BOLSA RD/SR 25 BASED ON COLLECTIONS FROM "LOS BOLSA ROAD BETWEEN GILROY AND HOLLISTER" AND "7 MILES NORTH OF HOLLISTER."				
Ecological:	ALKALINE FLATS.				
General:	OCCURRENCE IS BASED ON A 1917 COLLECTION BY ABRAMS AND TWO 1933 COLLECTIONS BY ROSE. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	14	Map Index:	90288	EO Index:	91321	Element Last Seen:	2009-07-09
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2009-07-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-09-11	
Quad Summary:	Gilroy (3712115), Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.02813 / -121.63289		Accuracy:	1 mile			
UTM:	Zone-10 N4098866 E621598		Elevation (ft):				
PLSS:	T10S, R03E, Sec. 27 (M)		Acres:	0.0			
Location:	1 MILE WEST OF GILROY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN VICINITY OF POTENTIAL VERNAL POOL HABITAT JUST WEST OF GILROY.						
Ecological:	IN VERNAL SWALE AND POOL COMPLEX IMMEDIATELY WEST OF GILROY. ASSOCIATED WITH HORDEUM MARINUM, LOLIUM MULTIFLORUM, AND POLYPOGON MONSPELIENSIS.						
General:	SITE BASED ON 2009 PHOTOS BY ARTHUR IN CALPHOTOS. NEEDS MAP DETAIL.						
Owner/Manager:	UNKNOWN						

<i>Balsamorhiza macrolepis</i>	Element Code: PDAST11061						
big-scale balsamroot							
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G2		
	State:	None		State:	S2		
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, USFS_S-Sensitive					
Habitat:	General:	CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.					
	Micro:	SOMETIMES ON SERPENTINE. 35-1465 M.					

Occurrence No.	4	Map Index:	30911	EO Index:	22817	Element Last Seen:	2013-04-06
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2013-04-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-11-28	
Quad Summary:	Gilroy (3712115)						
County Summary:	Santa Clara						
Lat/Long:	37.1177 / -121.55647		Accuracy:	specific area			
UTM:	Zone-10 N4108904 E628245		Elevation (ft):	900			
PLSS:	T09S, R04E, Sec. 29, S (M)		Acres:	1.0			
Location:	HARVEY BEAR TRAIL, WEST OF COYOTE LAKE DAM, 3.6 AIR MILES ENE OF SAN MARTIN.						
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO 2013 CORELLI COORDINATES, IN THE SOUTH 1/2 OF SECTION 29. 1990 OBSERVATION FROM THIS VICINITY REPORTS PLANTS FROM "WHERE THE PAVED PARK ROAD GIVES WAY TO A DIRT PARKING AREA, ADJACENT TO THE PARK FENCE."						
Ecological:	SITE IS A GRASSLAND WITHIN A MIXED OAK WOODLAND WITH PERIDERIDIA, LOLIUM PERENNE, ORTHOCARPUS, AVENA BARBATA, CHLOROGALUM POMERIDIANUM.						
General:	<100 PLANTS SEEN IN THIS AREA IN 1990. 26 PLANTS SEEN IN WESTERN POLYGON AND 10 PLANTS SEEN IN EASTERN POLYGON IN 2013; HEALTHY, VIGOROUS POPULATIONS.						
Owner/Manager:	SCL COUNTY PARKS & REC						



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Occurrence No.	48	Map Index: A7279	EO Index: 109046	Element Last Seen:	2014-05-19
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2014-05-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-11-28
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.07597 / -121.53413		Accuracy:	specific area	
UTM:	Zone-10 N4104305 E630301		Elevation (ft):	1300	
PLSS:	T10S, R04E, Sec. 9, SE (M)		Acres:	1.0	
Location:	MUMMY MOUNTAIN TRAIL, COYOTE LAKE/HARVEY BEAR RANCH COUNTY PARK, ABOUT 0.3 AIR MILE SOUTHEAST OF COYOTE LAKE CAMPGROUND.				
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO 2014 COLLINS COORDINATES, WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 9.				
Ecological:	LOW ROCKY OUTCROPPINGS IN OPEN GRASSLAND AND IN GRASSY MEADOW PARTIALLY SURROUNDED BY LIVE OAK WOODLAND. SOIL TYPES: INKS ROCKY CLAY LOAM AND GILROY CLAY LOAM. ASSOC W/ PHACELIA IMBRICATA SSP. IMBRICATA, TOXICODENDRON DIVERSILOBUM, ETC.				
General:	UNKNOWN NUMBER OBSERVED IN 2013. 158 PLANTS SEEN IN WESTERN POLYGON AND 84 PLANTS SEEN IN EASTERN POLYGON IN 2014.				
Owner/Manager:	SCL COUNTY PARKS & REC				
Occurrence No.	49	Map Index: A7296	EO Index: 109068	Element Last Seen:	2014-05-19
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2014-05-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-11-29
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.07096 / -121.52792		Accuracy:	specific area	
UTM:	Zone-10 N4103758 E630862		Elevation (ft):	1100	
PLSS:	T10S, R04E, Sec. 16, NE (M)		Acres:	3.0	
Location:	MUMMY MOUNTAIN TRAIL AND COYOTE RIDGE TRAIL, COYOTE LAKE/HARVEY BEAR RANCH COUNTY PARK.				
Detailed Location:	4 POLYGONS MAPPED ACCORDING TO 2014 COLLINS COORDINATES, WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 9 AND THE NE 1/4 OF THE NE 1/4 OF SECTION 16.				
Ecological:	ROCKY OUTCROPPINGS IN GRASSLAND AND IN OAK WOODLAND. SOIL TYPE: GILROY CLAY LOAM. ASSOC W/ CARDUUS PYCNOCEPHALUS SSP. PYCNOCEPHALUS, FESTUCA PERENNIS, AVENA FATUA, VICIA VILLOSA, TRIFOLIUM HIRTUM, TRITELEIA LAXA, STIPA PULCHRA, ETC.				
General:	SEEN IN SOUTHERN POLYGON IN 2010. SEEN IN NORTHERN POLYGON IN 2013. 2014 POPULATION NUMBERS FOR POLYGONS FROM EAST TO WEST: 61, 1, 56, AND 101 PLANTS.				
Owner/Manager:	SCL COUNTY PARKS & REC				



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Occurrence No.	50	Map Index: A7300	EO Index: 109070	Element Last Seen:	2017-04-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-04-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-11-29
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.10885 / -121.56038		Accuracy:	specific area	
UTM:	Zone-10 N4107917 E627913		Elevation (ft):	1150	
PLSS:	T09S, R04E, Sec. 32, W (M)		Acres:	3.0	
Location:	COYOTE RIDGE TRAIL, ABOUT 0.9 AIR MILE SOUTHWEST OF COYOTE LAKE DAM, COYOTE LAKE/HARVEY BEAR RANCH COUNTY PARK.				
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO 2013 CORELLI DIGITAL DATA AND 2017 ROSENTHAL COORDINATES, NEAR THE CENTER OF THE WEST 1/2 OF SECTION 32.				
Ecological:	ROCKY AREAS IN OPEN GRASSLAND SURROUNDED BY LIVE OAK WOODLAND, AND OPEN NON-NATIVE AND NATIVE GRASSLAND. W-FACING SLOPES. ASSOC W/ ANNUAL POACEAE, CALYSTEGIA SUBACALIS SSP. SUBACALIS, CHLOROGALUM POMERIDIANUM, ELYMUS GLAUCUS, ETC.				
General:	NORTHERN POLYGON: 75 PLANTS SEEN IN 2013. SOUTHERN POLYGON: 300 PLANTS SEEN IN 2013, 100+ PLANTS IN 2017.				
Owner/Manager:	SCL COUNTY PARKS & REC				
Occurrence No.	51	Map Index: A7302	EO Index: 109072	Element Last Seen:	2013-04-06
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2013-04-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-11-29
Quad Summary:	Gilroy (3712115), Mt. Sizer (3712125)				
County Summary:	Santa Clara				
Lat/Long:	37.12708 / -121.56631		Accuracy:	specific area	
UTM:	Zone-10 N4109932 E627355		Elevation (ft):	1400	
PLSS:	T09S, R04E, Sec. 30, NE (M)		Acres:	1.0	
Location:	ED WILSON TRAIL, ABOUT 1 AIR MILE NORTHWEST OF COYOTE LAKE DAM, COYOTE LAKE/HARVEY BEAR RANCH COUNTY PARK.				
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO 2013 CORELLI DIGITAL DATA, IN THE EAST 1/2 OF THE NE 1/4 OF SECTION 30.				
Ecological:	ROCKY AREAS IN OPEN GRASSLAND SURROUNDED BY LIVE OAK WOODLAND, AND OPEN NON-NATIVE AND NATIVE GRASSLAND. W-FACING SLOPES. ASSOC W/ ANNUAL POACEAE, CALYSTEGIA SUBACALIS SSP. SUBACALIS, CHLOROGALUM POMERIDIANUM, ELYMUS GLAUCUS, ETC.				
General:	14 PLANTS IN NORTHERN POLYGON AND 50 PLANTS IN SOUTHERN POLYGON IN 2013.				
Owner/Manager:	SCL COUNTY PARKS & REC				



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<i>Cirsium fontinale var. campylon</i>		Element Code: PDAST2E163	
Mt. Hamilton thistle			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2T2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden		
Habitat:	General: CISMONTANE WOODLAND, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: IN SEASONAL AND PERENNIAL DRAINAGES ON SERPENTINE. 75-890 M.		

Occurrence No.	60	Map Index:	A8371	EO Index:	110155	Element Last Seen:	2016-07-21
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2016-07-21	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-02-08	

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.08612 / -121.72692	Accuracy:	specific area
UTM:	Zone-10 N4105184 E613148	Elevation (ft):	800
PLSS:	T10S, R02E, Sec. 2, SW (M)	Acres:	2.0

Location: MELCHOR RANCH, SANTA CLARA VALLEY OPEN SPACE AUTHORITY.
Detailed Location: MAPPED ACCORDING TO 2016 SLAKEY COORDINATES, IN THE SOUTH 1/2 OF THE SW 1/4 OF SECTION 2.
Ecological: SERPENTINE SEEPS AT THE TRANSITION FROM SERPENTINE CHAPARRAL (ABOVE) TO SERPENTINE GRASSLAND (BELOW). ASSOCIATED WITH ARCTOSTAPHYLOS GLAUCA, FRANGULA CALIFORNICA, AQUILEGIA EXIMIA, HOITA STROBILINA, MIMULUS GUTTATUS, STACHYS, ETC.
General: ~250 PLANTS IN 2 COLONIES OBSERVED IN 2015.
Owner/Manager: SANTA CLARA VALLEY OPEN SPACE

<i>Ericameria fasciculata</i>		Element Code: PDAST3L080	
Eastwood's goldenbush			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_UCSC-UC Santa Cruz		
Habitat:	General: CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL (MARITIME), COASTAL SCRUB, COASTAL DUNES.		
	Micro: IN SANDY OPENINGS. 30-215 M.		



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Occurrence No.	14	Map Index:	10753	EO Index:	16529	Element Last Seen:	1987-09-27
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1987-09-27	Record Last Updated:	2007-01-29
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.79988 / -121.68521			Accuracy:	specific area		
UTM:	Zone-10 N4073479 E617293			Elevation (ft):	260		
PLSS:	T13S, R03E, Sec. 18, SW (M)			Acres:	4.0		
Location:	MANZANITA COUNTY PARK, APPROXIMATELY 1 AIR MILE NNW OF THE JUNCTION OF CA-156 AND MCGUFFIE RD, NW OF PRUNEDALE.						
Detailed Location:	6 PLANTS S OF CASTROVILLE BLVD, 0.9 AIR MI SW OF INTERSECTION WITH SAN MIGUEL CANYON RD.						
Ecological:	ON VERY SANDY SOIL IN MARITIME CHAPARRAL ASSOCIATED WITH ARCTOSTAPHYLOS, CEANOTHUS AND ADENOSTOMA.						
General:	6 PLANTS OBSERVED IN 1987.						
Owner/Manager:	MNT COUNTY						
Occurrence No.	19	Map Index:	10773	EO Index:	16525	Element Last Seen:	1987-09-27
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1987-09-27	Record Last Updated:	2017-10-25
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.80577 / -121.67483			Accuracy:	specific area		
UTM:	Zone-10 N4074145 E618209			Elevation (ft):	420		
PLSS:	T13S, R03E, Sec. 18, NE (M)			Acres:	5.0		
Location:	MANZANITA COUNTY PARK, APPROXIMATELY 1 & 1.2 AIR MILES NORTH OF THE JUNCTION OF CA-156 AND MCGUFFIE RD, NW OF PRUNEDALE.						
Detailed Location:	5 PLANTS S OF CASTROVILLE BLVD, 0.2 AIR MI SW OF INTERSECTION WITH SAN MIGUEL CANYON RD.						
Ecological:	ON VERY SANDY SOIL IN MARITIME CHAPARRAL ASSOCIATED WITH ARCTOSTAPHYLOS, CEANOTHUS, AND ADENOSTOMA.						
General:	5 PLANTS OBSERVED IN 2 SUBPOPULATIONS IN 1987. 1975 GRIFFIN COLLECTIONS FROM "MANZANITA CIRCLE NEAR SUMMIT OF CASTROVILLE BLVD" ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	MNT COUNTY						



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Occurrence No.	20	Map Index: 10775	EO Index: 16523	Element Last Seen: 1987-09-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1987-09-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2017-10-25

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.79837 / -121.67450	Accuracy:	80 meters
UTM:	Zone-10 N4073325 E618250	Elevation (ft):	340
PLSS:	T13S, R03E, Sec. 18, SE (M)	Acres:	0.0

Location: MANZANITA COUNTY PARK; APPROXIMATELY 0.7 AIR MILE NORTH OF THE JUNCTION OF CA-156 AND MCGUFFIE RD, NW OF PRUNEDALE.

Detailed Location:

Ecological: IN VERY SANDY SOIL IN MARITIME CHAPARRAL ASSOCIATED WITH ARCTOSTAPHYLOS, CEANOTHUS, AND ADENOSTOMA.

General: 5 PLANTS OBSERVED IN 1987. COLLECTIONS FROM THE 1960S AND 1970S FROM THE END OF MCGUFFIE ROAD ARE ALSO ATTRIBUTED TO THIS SITE.

Owner/Manager: MNT COUNTY

Occurrence No.	21	Map Index: 67927	EO Index: 68072	Element Last Seen: 2005-12-09
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 2005-12-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-02-14

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.78690 / -121.65714	Accuracy:	specific area
UTM:	Zone-10 N4072074 E619817	Elevation (ft):	321
PLSS:	T13S, R03E, Sec. 20, SE (M)	Acres:	7.0

Location: 0.7 MILE NORTHEAST OF PRUNEDALE.

Detailed Location: 2 COLONIES: ONE POPULATION SOUTH OF BERTA RIDGE COURT, NORTH OF CARLSON RD. ANOTHER POPULATION WEST OF EDEN PATH.

Ecological: MARITIME CHAPARRAL ON SANDSTONE OUTCROPPINGS ALONG RIDGELINES AND S-FACING SLOPES. DOMINANT SPECIES IS THE RARE ARCTOSTAPHYLOS PAJAROENSIS.

General: 15 PLANTS OBSERVED IN 2005.

Owner/Manager: PVT



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Occurrence No.	25	Map Index: 67836	EO Index: 68144	Element Last Seen:	2001-06-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-14

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.85396 / -121.73960	Accuracy:	1/5 mile
UTM:	Zone-10 N4079413 E612361	Elevation (ft):	
PLSS:	T12S, R02E, Sec. 27, SW (M)	Acres:	0.0

Location: ON RIDGE NORTH OF BLOHM RANCH, 0.8 MILE SOUTH OF LAS LOMAS.

Detailed Location: BLOHM RANCH IS LOCATED AT 695 ELKHORN RD, S OF INTERSECTION OF ELKHORN RD. AND HALL RD.

Ecological: MARITIME CHAPARRAL WITH ARCTOSTAPHYLOS PAJAROENSIS, ARCTOSTAPHYLOS HOOKERI SSP. HOOKERI, PIPERIA YADONII, CEANOETHUS CUNEATUS VAR. RIGIDUS.

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001. NEEDS FIELDWORK.

Owner/Manager: TNC-ELKHORN SLOUGH RES, ESF

Occurrence No.	26	Map Index: A6972	EO Index: 108763	Element Last Seen:	2001-04-22
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-04-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-30

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.78143 / -121.6376	Accuracy:	2/5 mile
UTM:	Zone-10 N4071492 E621571	Elevation (ft):	150
PLSS:	T13S, R03E, Sec. 21 (M)	Acres:	280.0

Location: PESANTE CANYON; ABOUT 1.5 TO 1.9 MILES EAST OF PRUNEDALE.

Detailed Location: MAPPED TO INCLUDE A 2001 LOWE MAP AND LOCATION DESCRIPTIONS FROM: "S OF PESANTE RD, 1.5 AIR MI E OF PRUNEDALE," "1.8 AIR MI ESE OF PRUNEDALE," AND "ON TELEPHONE CABLE EASEMENT ON RIDGE E OF HOLLY HILL DR, 1.9 AIR MI ENE OF PRUNEDALE."

Ecological: MARITIME CHAPARRAL WITH SALVIA MELLIFERA, ADEONSTOMA FASCICULATUM, RHAMNUS CALIFORNICA, ARCTOSTAPHYLOS TOMENTOSA CRUSTACEA, CEANOETHUS RIGIDA, A. PAJARENSIS, HELIANTHEMUM SCOPARIUM, TOXICODENDRON DIVERSILOBUM, ERICAMERIA ERICOIDES, ETC.

General: OBSERVED IN THIS AREA IN 1985 AND 2001. NEED MAP DETAIL.

Owner/Manager: PVT



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Occurrence No.	27	Map Index: A6973	EO Index: 108764	Element Last Seen:	1990-02-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1990-02-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-25
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.80666 / -121.63377		Accuracy:	2/5 mile	
UTM:	Zone-10 N4074296 E621873		Elevation (ft):		
PLSS:	T13S, R03E, Sec. 15 (M)		Acres:	280.0	
Location:	ON RIDGE JUST SOUTH OF MALLORY CANYON ROAD, PRUNEDALE.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND THE RIDGE JUST SOUTH OF MALLORY CANYON ROAD.				
Ecological:	WITH ARCTOSTAPHYLOS PAJAROENSIS.				
General:	"A FEW" PLANTS OBSERVED IN 1990.				
Owner/Manager:	PVT?				
Occurrence No.	28	Map Index: A6976	EO Index: 108766	Element Last Seen:	1985-07-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1985-07-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-25
Quad Summary:	San Juan Bautista (3612175), Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.8181 / -121.62906		Accuracy:	1/5 mile	
UTM:	Zone-10 N4075570 E622274		Elevation (ft):	550	
PLSS:	T13S, R03E, Sec. 10, NW (M)		Acres:	70.0	
Location:	WEST OF EXECUTIVE DRIVE, NORTH OF CRAZY HORSE ROAD, ~1000 FEET EAST OF HWY 101, EAST OF PRUNEDALE.				
Detailed Location:	MAPPED AS BEST GUESS AROUND THE NORTH SIDE OF CRAZY HORSE ROAD BETWEEN EXECUTIVE DRIVE AND EL CAMINO REAL/HWY 101. GIVEN ELEVATION IS 550 FEET.				
Ecological:	RIDGETOP. IN YOUNG, OPEN STAND OF MARITIME CHAPARRAL. ASSOCIATED WITH ARCTOSTAPHYLOS PAJAROENSIS, CEANOTHUS RIGIDUS, MIMULUS AURANTIACUS, PTERIDIUM AQUILINUM, HAPLOPAPPUS ERICOIDES, HELIANTHEMUM SCOPARIUM.				
General:	WIDELY SCATTERED INDIVIDUALS OBSERVED IN 1985.				
Owner/Manager:	PVT?				



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Occurrence No.	29	Map Index: A6977	EO Index: 108767	Element Last Seen:	1985-07-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1985-07-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-11-14
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.7965 / -121.6442		Accuracy:	1/5 mile	
UTM:	Zone-10 N4073155 E620958		Elevation (ft):	450	
PLSS:	T13S, R03E, Sec. 16, S (M)		Acres:	70.0	
Location:	ALONG DIRT FIRE ROAD WEST AND EAST OF REAVIS ROAD, 1.9 TO 2.1 AIR MILES NE OF PRUNEDALE.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND THE PORTION OF REAVIS ROAD THAT BISECTS RIDGE AND INCLUDES GIVEN ELEVATIONS OF 440 AND 460 FEET.				
Ecological:	IN MARITIME CHAPARRAL. OPEN AREAS ALONG ROAD. ASSOCIATED WITH ARCTOSTAPHYLOS PAJAROENSIS, CEANOTHUS RIGIDUS, RHAMNUS CALIFORNICA, SALVIA MELLIFERA, PTERIDIUM AQUILINUM, HORKELIA CUNEATA, AND HELIANTHEMUM SCOPARIUM.				
General:	SITE BASED ON TWO 1985 MARTZ COLLECTIONS. NEEDS FIELDWORK.				
Owner/Manager:	PVT?				
Occurrence No.	30	Map Index: A6978	EO Index: 108769	Element Last Seen:	2017-06-12
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-06-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-25
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.80639 / -121.6867		Accuracy:	specific area	
UTM:	Zone-10 N4074199 E617151		Elevation (ft):	300	
PLSS:	T13S, R03E, Sec. 18, NW (M)		Acres:	5.0	
Location:	ELKHORN HIGHLANDS PRESERVE, JUST NORTH OF MANZANITA REGIONAL PARK, NW OF PRUNEDALE.				
Detailed Location:	MAPPED AS 4 POLYGONS ACCORDING TO 2017 NEUBAUER DIGITAL DATA.				
Ecological:	EDGES OF OAK WOODLAND/MARITIME CHAPARRAL. ASSOCIATED WITH QUERCUS AGRIFOLIA, ARCTOSTAPHYLOS PAJAROENSIS, BACCHARIS PILULARIS SSP. CONSANGUINEA, DIPLACUS AURANTIACUS, ACMISPON GLABER VAR. GLABER, PTERIDIUM AQUILINUM SSP. PUBESCENS, ETC.				
General:	APPROXIMATELY 90 PLANTS OBSERVED IN 2017.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	31	Map Index: A6982	EO Index: 108771	Element Last Seen:	2003-09-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-09-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-25
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82329 / -121.70791		Accuracy:	80 meters	
UTM:	Zone-10 N4076048 E615233		Elevation (ft):	400	
PLSS:	T13S, R02E, Sec. 12, NW (M)		Acres:	5.0	
Location:	RIDGE DIVIDING LONG CANYON FROM STRAWBERRY CANYON, GROWING UNDER PG&E HIGH VOLTAGE TRANSMISSION LINE.				
Detailed Location:	MAPPED ACCORDING TO 2003 TAYLOR COORDINATES, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 12.				
Ecological:	MARITIME CHAPARRAL, ON SANDY SUBSTRATE WITH ARCTOSTAPHYLOS PAJAROENSIS, A. TOMENTOSA, A. HOOKERI, AND CEANOTHUS RIGIDUS.				
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 2003 TAYLOR COLLECTION.				
Owner/Manager:	UNKNOWN				

<i>Deinandra halliana</i>		Element Code: PDAST4R0C0			
Hall's tarplant					
Listing Status:	Federal: None	CNDDB Element Ranks:		Global: G3	
	State: None			State: S3	
Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden				
Habitat:	General:	CISMONTANE WOODLAND, CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND.			
	Micro:	REPORTED FROM A VARIETY OF SUBSTRATES INCLUDING CLAY, SAND, AND ALKALINE SOILS. 155-975 M.			

Occurrence No.	67	Map Index: B5632	EO Index: 118613	Element Last Seen:	2019-05-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2019-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-06-03
Quad Summary:	Tres Pinos (3612173), Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.76137 / -121.37635		Accuracy:	specific area	
UTM:	Zone-10 N4069630 E644922		Elevation (ft):	1100	
PLSS:	T13S, R05E, Sec. 36, NW (M)		Acres:	4.0	
Location:	EAST OF THE SAN ANDREAS RIFT ZONE, APPROXIMATELY 2.8 AIR MILES NORTHWEST OF THE MOUTH OF SULPHUR CANYON.				
Detailed Location:	5 POLYGONS MAPPED ACCORDING TO 2019 O'DELL COORDINATES.				
Ecological:	VERTIC CLAY SOIL.				
General:	5 PLANTS OBSERVED IN 2019. ID SUSPECTED, BUT NOT CONFIRMED, BASED ON PROXIMITY TO CONFIRMED PRESENCE OF SPECIES AT HUDNER RANCH.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	68	Map Index: B5633	EO Index: 118614	Element Last Seen:	2019-05-03
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2019-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-06-03

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.77051 / -121.38685	Accuracy:	specific area
UTM:	Zone-10 N4070628 E643967	Elevation (ft):	1000
PLSS:	T13S, R05E, Sec. 26 (M)	Acres:	14.0

Location: HUDNER RANCH UNIT, HOLLISTER HILLS SVRA, APPROXIMATELY 3.25 TO 4 AIR MILES NORTHWEST OF THE MOUTH OF SULPHUR CANYON.

Detailed Location: SEVERAL POLYGONS MAPPED ACCORDING TO 2018 AND 2019 O'DELL COORDINATES.

Ecological: VERTIC CLAY SOIL. PORTIONS OF POPULATION ON VERY STEEP S-FACING SLOPES.

General: POPULATION NUMBERS FOR PORTIONS OF OCCURRENCE: 560+ PLANTS OBSERVED IN 2018, 1800+ PLANTS OBSERVED IN 2019. ID FOR PLANTS IN THE 6 SOUTHEASTERN POLYGONS IS SUSPECTED, BUT NOT CONFIRMED, BASED ON PROXIMITY TO CONFIRMED PLANTS.

Owner/Manager: DPR-HOLLISTER HILLS SVRA, UNK

Occurrence No.	69	Map Index: B5637	EO Index: 118619	Element Last Seen:	2019-05-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2019-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-06-03

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.78995 / -121.38515	Accuracy:	specific area
UTM:	Zone-10 N4072788 E644083	Elevation (ft):	800
PLSS:	T13S, R05E, Sec. 23, NE (M)	Acres:	3.0

Location: ALONG A TRIBUTARY TO BIRD CREEK, ~1.25 AIR MILES SOUTHWEST OF SOUTHSIDE SCHOOL, NORTHEAST OF HOLLISTER HILLS SVRA.

Detailed Location: 4 POLYGONS MAPPED ACCORDING TO 2019 O'DELL COORDINATES, IN THE SE 1/4 OF THE NE 1/4 OF PROJECTED SECTION 23.

Ecological: VERTIC CLAY SOIL.

General: 4 PLANTS OBSERVED IN 2019. ID SUSPECTED, BUT NOT CONFIRMED, BASED ON PROXIMITY TO CONFIRMED PRESENCE OF SPECIES AT HUDNER RANCH.

Owner/Manager: UNKNOWN



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Occurrence No.	70	Map Index: B5639	EO Index: 118620	Element Last Seen:	2019-05-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2019-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-06-03

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.79719 / -121.40186	Accuracy:	specific area
UTM:	Zone-10 N4073565 E642578	Elevation (ft):	550
PLSS:	T13S, R05E, Sec. 15, SE (M)	Acres:	1.0

Location: ABOUT 0.45 & 0.55 AIR MILE SSE OF THE JUNCTION OF HIDDEN VALLEY RD AND CIENEGA RD, JUST NE OF HOLLISTER HILLS SVRA.
Detailed Location: 2 POLYGONS MAPPED ACCORDING TO 2019 O'DELL COORDINATES, IN THE SE 1/4 OF THE SE 1/4 OF PROJECTED SECTION 15.
Ecological: VERTIC CLAY SOIL.
General: 2 PLANTS OBSERVED IN 2019. ID SUSPECTED, BUT NOT CONFIRMED, BASED ON PROXIMITY TO CONFIRMED PRESENCE OF SPECIES AT HUDNER RANCH.
Owner/Manager: UNKNOWN

Centromadia parryi ssp. congdonii		Element Code: PDAST4R0P1
Congdon's tarplant		
Listing Status:	Federal: None	CNDDDB Element Ranks: Global: G3T1T2
	State: None	State: S1S2
	Other: Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	
Habitat:	General: VALLEY AND FOOTHILL GRASSLAND.	
	Micro: ALKALINE SOILS, SOMETIMES DESCRIBED AS HEAVY WHITE CLAY. 0-245 M.	

Occurrence No.	15	Map Index: 10659	EO Index: 6094	Element Last Seen:	1909-10-10
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen:	1998-10-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-12-22

Quad Summary: Watsonville East (3612186)
County Summary: Santa Cruz

Lat/Long:	36.94034 / -121.73097	Accuracy:	1 mile
UTM:	Zone-10 N4089006 E613003	Elevation (ft):	80
PLSS:	T11S, R02E, Sec. 27 (M)	Acres:	0.0

Location: FIELD NEAR KELLYS LAKE, NEAR WATSONVILLE.
Detailed Location:
Ecological:
General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1909 COLLECTION BY MCMURPHY. AREA SEARCHED IN 1998, BUT NO PLANTS COULD BE FOUND.
Owner/Manager: PVT



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Occurrence No.	25	Map Index: 35107	EO Index: 17	Element Last Seen:	1994-06-05
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen:	1994-06-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1996-03-11
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82253 / -121.69573		Accuracy:	80 meters	
UTM:	Zone-10 N4075978 E616320		Elevation (ft):	220	
PLSS:	T13S, R02E, Sec. 12, NE (M)		Acres:	0.0	
Location:	ALONG ROAD THROUGH LONG CANYON, 1.5 MI EAST OF ELKHORN ROAD, NORTHEAST OF CASTROVILLE.				
Detailed Location:	ALONG SIDE OF ROAD IN BOTTOM OF CANYON.				
Ecological:	OPEN, SANDY, COMPACTED SOIL.				
General:	10 PLANTS IN 1994. POSSIBLY EXTIRPATED AT THIS SITE (R. PRESTON 1999).				
Owner/Manager:	PVT				
Occurrence No.	38	Map Index: 42344	EO Index: 42344	Element Last Seen:	1933-11-03
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen:	1998-10-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-02-07
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.78172 / -121.67202		Accuracy:	1 mile	
UTM:	Zone-10 N4071480 E618498		Elevation (ft):		
PLSS:	T13S, R03E, Sec. 20 (M)		Acres:	0.0	
Location:	7.3 MILES NORTH OF SALINAS (PRUNEDALE).				
Detailed Location:	MAPPED NORTH OF SALINAS ALONG HWY 101, NEAR JUNCTION WITH HWY 156.				
Ecological:					
General:	SITE BASED UPON 1933 COLLECTION BY D. KECK AS REPORTED BY R. PRESTON. POTENTIAL HABITAT ALONG HWY 101 NEAR BLACKIE ROAD SEARCHED IN 1998, BUT NO PLANTS SEEN.				
Owner/Manager:	UNKNOWN				
Occurrence No.	39	Map Index: 22088	EO Index: 42345	Element Last Seen:	1909-08-23
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	1998-10-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-03-25
Quad Summary:	Prunedale (3612176), Moss Landing (3612177)				
County Summary:	Monterey				
Lat/Long:	36.76738 / -121.75664		Accuracy:	1 mile	
UTM:	Zone-10 N4069788 E610968		Elevation (ft):		
PLSS:	T13S, R02E, Sec. 28 (M)		Acres:	0.0	
Location:	CASTROVILLE.				
Detailed Location:					
Ecological:					
General:	SITE BASED ON A 1909 COLLECTION BY J. MCMURPHY. RUDERAL HABITAT ALONG RAILROAD R-O-W AND IN RESIDENTIAL AREAS SEARCHED IN 1998 BUT NO CENTROMADIA OBSERVED.				
Owner/Manager:	UNKNOWN				



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Holocarpha macradenia		Element Code: PDAST4X020	
Santa Cruz tarplant			
Listing Status:	Federal: Threatened	CNDDB Element Ranks:	Global: G1
	State: Endangered		State: S1
	Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley		
Habitat:	General: COASTAL PRAIRIE, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: LIGHT, SANDY SOIL OR SANDY CLAY; OFTEN WITH NONNATIVES. 10-275 M.		

Occurrence No.	4	Map Index: 10648	EO Index: 15187	Element Last Seen: 1984-09-12
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen: 1986-08-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2008-08-19

Quad Summary: Watsonville East (3612186)
County Summary: Santa Cruz

Lat/Long:	36.94704 / -121.73709	Accuracy:	specific area
UTM:	Zone-10 N4089742 E612448	Elevation (ft):	100
PLSS:	T11S, R02E, Sec. 27 (M)	Acres:	27.0

Location: WEST SIDE OF EAST LAKE AVE (HIGHWAY 152), JUST SW OF SANTA CRUZ FAIRGROUNDS, COLLEGE LAKE.
Detailed Location: MAPPED AS 2 POLYGONS ACCORDING TO A 1977 MORGAN MAP AND A 1978 HALL MAP. SOUTHERN POLYGON IS IN VICINITY OF PG&E POWER LINES. A 1909 MCMURPHY COLLECTION FROM "FIELD NEAR KELLY'S LAKE" ALSO ATTRIBUTED HERE.
Ecological: PLANTS FOUND IN UNMOWED STRIP WITH HEMIZONIA LUZULAEFOLIA, NAVARRETIA SQUARROSA, CONYZA CANADENSIS, ASTER CHILENSIS, SOLIDAGO OCCIDENTALIS, LOTUS PURSHIANUS, AND VARIOUS NON-NATIVE WEEDS.
General: SW POLYGON: "LARGE POP" IN 1977 & 1978, 1 IN 1980, <50 IN 1984, NONE IN 1986; EXTIRPATED BY AG? NE POLYGON: 1 PLANT IN 1976, "FEW PLANTS" IN 1977, NONE IN 1986; EXTIRP BY AQUATIC PARK? INCLUDES FORMER OCCURRENCES #8, 10, 12, AND 17.
Owner/Manager: PVT

Occurrence No.	19	Map Index: 10623	EO Index: 15192	Element Last Seen: 1993-XX-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1993-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Stable	Record Last Updated: 2008-08-19

Quad Summary: Prunedale (3612176)
County Summary: Monterey

Lat/Long:	36.87086 / -121.74264	Accuracy:	specific area
UTM:	Zone-10 N4081284 E612066	Elevation (ft):	100
PLSS:	T12S, R02E, Sec. 22, SW (M)	Acres:	17.1

Location: PORTER RANCH, 2 MILES SOUTH OF PAJARO ON EAST SIDE OF JUNCTION AT HALL ROAD AND ELKHORN ROAD.
Detailed Location:
Ecological: IN DRY, MOSTLY ANNUAL GRASSLAND IN MARINE TERRACE SOIL. MOSTLY W/ NON-NATIVE ANNUALS, BUT ALSO W/ NATIVE COASTAL PRAIRIE SPECIES. SITE IS UNUSUAL IN THAT PLANTS ARE MOSTLY IN THE BOTTOM OF A SMALL CANYON, RATHER THAN ON A COASTAL TERRACE.
General: LARGE POPULATION OVER AN APPROXIMATELY 10 ACRE AREA WITH 3 OTHER TARPLANT SPECIES. 1500-2500 PLANTS IN 1984, 18,000 IN 1986, SEVERAL 1000 IN 1988, 43,000 IN 1989, 35,000 IN 1990, 3200 IN 1993.
Owner/Manager: PVT



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Occurrence No.	41	Map Index: 24090	EO Index: 7402	Element Last Seen:	1990-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Stable	Record Last Updated:	1995-11-03
Quad Summary:	Watsonville East (3612186), Watsonville West (3612187)				
County Summary:	Santa Cruz				
Lat/Long:	36.98256 / -121.75423		Accuracy:	specific area	
UTM:	Zone-10 N4093662 E610871		Elevation (ft):	180	
PLSS:	T11S, R02E, Sec. 09 (M)		Acres:	13.2	
Location:	SPRING HILLS GOLF COURSE.				
Detailed Location:					
Ecological:	SLOPES OF DISSECTED COASTAL TERRACES WITH HARD-PACKED SOIL, IN LOCAL GRASSY OPENINGS DOMINATED BY WEEDY NON-NATIVE SPECIES. IN NON-LANDSCAPED AREAS BETWEEN FAIRWAYS OF GOLF COURSE.				
General:	5 SUBPOPULATIONS: 2000-3000 PLANTS IN LARGEST SUBPOPULATION IN 1989 AND 1990, 100-400 PLANTS EACH IN OTHER 4 SUBPOPULATIONS; SAME NUMBERS IN 1990.				
Owner/Manager:	PVT-SPRING HILLS GOLF COURSE				

Lessingia micradenia var. glabrata			Element Code: PDAST5S062		
smooth lessingia					
Listing Status:	Federal: None		CNDDB Element Ranks:	Global: G2T2	
	State: None			State: S2	
	Other:	Rare Plant Rank - 1B.2, SB_BerrySB-Berry Seed Bank, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden			
Habitat:	General:	CHAPARRAL, CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.			
	Micro:	SERPENTINE; OFTEN ON ROADSIDES. 90-490 M.			

Occurrence No.	1	Map Index: 26558	EO Index: 1699	Element Last Seen:	1936-09-05
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1936-09-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-10-25
Quad Summary:	Gilroy (3712115), Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.07051 / -121.63056		Accuracy:	2/5 mile	
UTM:	Zone-10 N4103571 E621737		Elevation (ft):	400	
PLSS:	T10S, R03E, Sec. 10 (M)		Acres:	0.0	
Location:	1.5 MILES SOUTHWEST OF SAN MARTIN.				
Detailed Location:	MAPPED ABOUT 1 MILE NORTH OF LIONS PEAK.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1936 COLLECTION BY WILSON.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	12	Map Index: 44287	EO Index: 44287	Element Last Seen:	1996-09-17
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1996-09-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-11-17

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.02977 / -121.64694	Accuracy:	1/10 mile
UTM:	Zone-10 N4099030 E620345	Elevation (ft):	320
PLSS:	T10S, R03E, Sec. 28 (M)	Acres:	0.0

Location: BURCHELL ROAD ABOUT 0.5 MILE EAST OF JUNCTION WITH ROAD G8, NORTH OF UVAS CREEK, SE OF UVAS RESERVOIR, WEST OF GILROY.

Detailed Location: ON BURCHELL ROAD 0.5 MILE EAST OF INTERSECTION WITH ROAD G8 (WATSONVILLE ROAD).

Ecological: SERPENTINE AREA IN GRAZED PASTURE.

General: FEWER THAN 100 PLANTS OBSERVED IN 1996.

Owner/Manager: PVT?

Occurrence No.	16	Map Index: 67516	EO Index: 60459	Element Last Seen:	2003-10-21
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2003-10-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-02

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.03246 / -121.66534	Accuracy:	80 meters
UTM:	Zone-10 N4099307 E618704	Elevation (ft):	470
PLSS:	T10S, R03E, Sec. 29, SE (M)	Acres:	0.0

Location: NEAR MOUTH OF ARTHUR CREEK, UNDER HIGH-VOLTAGE POWERLINES NORTH OF REDWOOD RETREAT ROAD, 5 AIR MILES WNW OF GILROY.

Detailed Location: UNDER POWERLINE RIGHT-OF-WAY FOR 230 KV STEEL TOWER TRANSMISSION LINE, SPAN FROM TOWER 41/184 TO 41/183. NEAR WOOD POLE CIRCUIT.

Ecological: SERPENTINE AREA, SERPENTINE OUTCROPS IN QUERCUS DOUGLASII WOODLAND. SPARSELY VEGETATED, WITH HEMIZONIA LUZULIFOLIA IN BLOOM, ON HEAVY CLAY SOILS, SOUTHERLY FACING SLOPE.

General: L. MICRADENIA VAR. GLABRATA WAS THE DOMINANT PLANT IN THIS GRASSLAND IN OCTOBER 2003.

Owner/Manager: UNKNOWN



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Occurrence No.	19	Map Index: 58885	EO Index: 63332	Element Last Seen:	2005-09-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-09-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-02-24

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.02000 / -121.68731	Accuracy:	specific area
UTM:	Zone-10 N4097897 E616769	Elevation (ft):	1000
PLSS:	T10S, R03E, Sec. 31, SW (M)	Acres:	6.8

Location: BOTH SIDES OF MERRY-GO-ROUND TRAIL, ON EAST SIDE OF INTERSECTION WITH OLD MINE TRAIL, MOUNT MADONNA COUNTY PARK.

Detailed Location: NORTHEAST EDGE OF MOUNT MADONNA COUNTY PARK BOUNDARY. WITHIN THE NE 1/4 OF SW 1/4 OF SECTION 31.

Ecological: SERPENTINE GRASSLAND. FOUND WITH BROMUS HORDEACEUS, HEMIZONIA CONGESTA SSP. LUZULIFOLIA, ERIGONUM NUDUM, EPILOBIUM BRACHYCARPUM, BRACHYPODIUM DISTACHYON, CALOCHORTUS SPP, AND PLANTAGO ERECTA.

General: UNKNOWN NUMBER OF PLANTS SEEN BY COCHRANE IN 2005. 2005 TAYLOR SURVEY FOR DUDLEYA SETCHELLII (WITH NOTE OF THIS LESSINGIA) FOUND "EAST OF JUNCTION OF MERRY-GO-ROUND TRAIL AND TIE CAMP TRAIL" ALSO ATTRIBUTED TO THIS SITE.

Owner/Manager: SCL COUNTY-MT MADONNA PARK

Occurrence No.	23	Map Index: 64074	EO Index: 64169	Element Last Seen:	2005-09-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-09-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-02-27

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.00718 / -121.68692	Accuracy:	specific area
UTM:	Zone-10 N4096474 E616824	Elevation (ft):	580
PLSS:	T11S, R03E, Sec. 06, N (M)	Acres:	11.7

Location: MOUNT MADONNA COUNTY PARK, ALONG BLACKHAWK, RIDGE, AND MERRY-GO-ROUND TRAILS, NORTHWEST OF SPRIG RECREATION AREA.

Detailed Location: SIX COLONIES ALONG TRAILS, NORTH OF HIGHWAY 152 AND BLACKHAWK CANYON. WITHIN THE NORTH HALF OF SECTION 6, MOSTLY IN THE NW 1/4.

Ecological: SERPENTINE GRASSLAND. FOUND WITH BROMUS HORDEACEUS, HEMIZONIA CONGESTA SSP. LUZULIFOLIA, ERIGONUM NUDUM, EPILOBIUM BRACHYCARPUM, BRACHYPODIUM DISTACHYON, CALOCHORTUS SPP, AND PLANTAGO ERECTA.

General: UNKNOWN NUMBER OF PLANTS SEEN IN 2005.

Owner/Manager: SCL COUNTY-MT MADONNA PARK



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Occurrence No.	25	Map Index: 68026	EO Index: 68177	Element Last Seen:	2006-08-28
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2006-08-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-02

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.11487 / -121.69411	Accuracy:	specific area
UTM:	Zone-10 N4108414 E616020	Elevation (ft):	500
PLSS:	T09S, R03E, Sec. 30, SW (M)	Acres:	0.0

Location: CHESBRO RESERVOIR SPILLWAY, MORGAN HILL.

Detailed Location: TWO COLONIES ON THE SOUTHWEST SIDE OF THE SPILLWAY.

Ecological: OPEN, STEEP, CRUMBLY SERPENTINE WITH POLYPOGON MONSPELIENSIS, ELYMUS GLAUCUS, AND HEMIZONIA CONGESTA SSP. LUZULIFOLIA. ARCTOSTAPHYLOS GLAUCA ADJACENT.

General: 3600 PLANTS OBSERVED IN 2006.

Owner/Manager: SANTA CLARA VALLEY WATER DIST

Occurrence No.	26	Map Index: 67515	EO Index: 68178	Element Last Seen:	2003-10-20
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2003-10-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-02

Quad Summary: Mt. Madonna (3712116)

County Summary: Santa Clara

Lat/Long:	37.11428 / -121.66866	Accuracy:	80 meters
UTM:	Zone-10 N4108379 E618282	Elevation (ft):	800
PLSS:	T09S, R03E, Sec. 32, NW (M)	Acres:	0.0

Location: 0.5 AIR MILE SOUTHEAST OF THE SUMMIT OF EL TORO, NEAR MORGAN HILL.

Detailed Location: UNDER STEEL TOWER TRANSMISSION LINE.

Ecological: SERPENTINE GRASSLAND.

General: L. MICRADENIA SSP. GLABRATA WAS THE DOMINANT PLANT AT THIS SITE IN OCTOBER 2003. THE RARE DUDLEYA SETCHELLII AND STREPTANTHUS ALBIDUS SSP. PERAMOENUS ALSO OCCUR AT THIS SITE.

Owner/Manager: UNKNOWN



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Occurrence No.	35	Map Index: 79559	EO Index: 80545	Element Last Seen:	2007-09-27
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-09-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-08-06

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.07777 / -121.46892	Accuracy:	80 meters
UTM:	Zone-10 N4104596 E636094	Elevation (ft):	920
PLSS:	T10S, R05E, Sec. 07, SW (M)	Acres:	0.0

Location: WEST SIDE OF COYOTE CREEK, WEST OF GILROY HOT SPRINGS RD ABOUT 0.8 MILE EAST OF CANADA RD, WEST OF HENRY COE STATE PARK.
Detailed Location: IN THE NW 1/4 OF THE SW 1/4 OF SECTION 7.
Ecological: SERPENTINE GRASSLAND SURROUNDED BY ARCTOSTAPHYLOS GLAUCA, PINUS SABINIANA, QUERCUS AGRIFOLIA, Q. DOUGLASII, Q. LOBATA. ASSOC WITH EPIOLOBIUM BRACHYCARPUM, AVENA, BROMUS HORDEACEUS, TRITELEIA LAXA, CORDYLANTHUS RIGIDUS. 20% SE-FACING SLOPE.
General: A POPULATION COVERING APPROXIMATELY 30 METERS BY 50 METERS WAS OBSERVED IN 2007.
Owner/Manager: SCL COUNTY OPEN SPACE

Occurrence No.	43	Map Index: A6897	EO Index: 108678	Element Last Seen:	2016-07-21
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2016-07-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-20

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.09142 / -121.72058	Accuracy:	specific area
UTM:	Zone-10 N4105780 E613703	Elevation (ft):	575
PLSS:	T10S, R02E, Sec. 2, E (M)	Acres:	8.0

Location: MECHOR RANCH/UVAS CREEK OPEN SPACE PRESERVE; JUST NW OF THE JUNCTION OF UVAS ROAD AND WALLACE PLACE.
Detailed Location: FLAT AREA ROUGHLY 400 FEET WEST OF UVAS ROAD. MAPPED ACCORDING TO 2015 BASSON COORDINATES AND 2016 SLAKEY COORDINATES; POPULATION LIKELY MORE EXTENSIVE THAN SURVEYED/MAPPED.
Ecological: FLAT SERPENTINE GRASSLAND. ASSOCIATED WITH GASTRIDIMUM PHLEOIDES, TRICHOSTEMA LANCEOLATUM, HEMIZONIA CONGESTA SSP. LUZULIFOLIA, AND HORDEUM SP.
General: 1000 PLANTS OBSERVED IN 2015. 1000S OF PLANTS OBSERVED IN 2016.
Owner/Manager: SCL COUNTY OPEN SPACE



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Occurrence No.	44	Map Index: A6898	EO Index: 108679	Element Last Seen:	2016-07-21
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2016-07-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-10-20
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.08583 / -121.72876		Accuracy:	specific area	
UTM:	Zone-10 N4105150 E612985		Elevation (ft):	900	
PLSS:	T10S, R02E, Sec. 2, SW (M)		Acres:	29.0	
Location:	MECHOR RANCH/UVAS CREEK OPEN SPACE PRESERVE; 0.4-0.8 AIR MILE WEST OF THE JUNCTION OF UVAS ROAD AND WALLACE PLACE.				
Detailed Location:	ON SLOPES NORTH OF UNNAMED CREEK. MAPPED ACCORDING TO 2016 SLAKEY COORDINATES.				
Ecological:	SERPENTINE GRASSLANDS WITH 15 TO 30 DEGREE SOUTH-FACING SLOPES. ASSOCIATED WITH AVENA BARBATA, BRACHYPODIUM DISTACHYON, HEMIZONIA CONGESTA SSP. LUZULIFOLIA, MONARDELLA DOUGLASII, ACMISPON AMERICANUS VAR. AMERICANUS, AND FESTUCA PERENNIS.				
General:	ABOUT 56,600 PLANTS OBSERVED IN 2016.				
Owner/Manager:	SCL COUNTY OPEN SPACE				
Occurrence No.	47	Map Index: B2151	EO Index: 114077	Element Last Seen:	2018-07-12
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2018-07-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-01-31
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.11905 / -121.70574		Accuracy:	specific area	
UTM:	Zone-10 N4108863 E614981		Elevation (ft):	600	
PLSS:	T09S, R02E, Sec. 25, SW (M)		Acres:	37.0	
Location:	ALONG CHESBRO LAKE DRIVE ON THE SOUTH SIDE OF CHESBRO RESERVOIR.				
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO A 2018 TANNOURJI MAP.				
Ecological:	SERPENTINE GRASSLANDS AND ROCK OUTCROPS ON EAST-FACING SLOPES. ASSOCIATED WITH BROMUS HORDEACEUS, AVENA FATUA, STREPTANTHUS ALBIDUS SSP. PERAMOENUS, ESCHSCHOLZIA CALIFORNICA, HEMIZONIA CONGESTA SSP. LUZULIFOLIA, PLAGIOBOTHRYIS, ETC.				
General:	IN 2018: TEN QUADRATS IN VARYING DENSITIES ACROSS 15 ACRES AVERAGED ABOUT 28 PLANTS PER SQUARE METER.				
Owner/Manager:	PVT				



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Occurrence No.	48	Map Index: B2153	EO Index: 114078	Element Last Seen:	2017-07-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-07-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-01-31
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.12253 / -121.73993		Accuracy:	specific area	
UTM:	Zone-10 N4109208 E611938		Elevation (ft):	670	
PLSS:	T09S, R02E, Sec. 27, NE (M)		Acres:	2.0	
Location:	ALONG UVAS ROAD AT THE SOUTH END OF MANZANITA RIDGE, WEST OF CHESBRO RESERVOIR.				
Detailed Location:	MAPPED ACCORDING TO A 2017 SPROULL MAP, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 27.				
Ecological:	RUDERAL CALIFORNIA ANNUAL GRASSLAND AND SERPENTINE ROCK OUTCROP/BARRENS HABITAT.				
General:	7600 PLANTS OBSERVED IN 2017. LIKELY ADDITIONAL PLANTS OUTSIDE OF SURVEY AREA.				
Owner/Manager:	SCL COUNTY				

<i>Monolopia gracilens</i>	Element Code: PDAST6G010
woodland woollythreads	
Listing Status: Federal: None	CNDDB Element Ranks: Global: G3
State: None	State: S3
Other: Rare Plant Rank - 1B.2	
Habitat: General: CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND, BROADLEAFED UPLAND FOREST, NORTH COAST CONIFEROUS FOREST.	
Micro: GRASSY SITES, IN OPENINGS; SANDY TO ROCKY SOILS. OFTEN SEEN ON SERPENTINE AFTER BURNS, BUT MAY HAVE ONLY WEAK AFFINITY TO SERPENTINE. 120-975 M.	

Occurrence No.	7	Map Index: 79146	EO Index: 80112	Element Last Seen:	1951-06-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1951-06-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-07-02
Quad Summary:	Watsonville East (3612186), Mt. Madonna (3712116)				
County Summary:	Santa Clara, Santa Cruz				
Lat/Long:	36.99469 / -121.72418		Accuracy:	2/5 mile	
UTM:	Zone-10 N4095044 E613527		Elevation (ft):		
PLSS:	T11S, R02E, Sec. 11, N (M)		Acres:	0.0	
Location:	ON EAST-FACING BANK JUST WEST OF SUMMIT OF HECKER PASS.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN VICINITY OF SLOPES JUST WEST OF HECKER PASS SUMMIT, INCLUDING THE STEEP EAST-FACING SLOPE OF BANKS CANYON.				
Ecological:	STEEP EAST-FACING 1/2 SHADED BANK.				
General:	MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1937 KECK COLLECTION. A 1931 HALL COLLECTION FROM "HECKER PASS. WATSONVILLE-GILROY RD" AND A 1951 BROWNE COLLECTION FROM "HECKER PASS" ARE ALSO ATTRIBUTED HERE. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	8	Map Index: 79147	EO Index: 80113	Element Last Seen: 1952-04-26
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1952-04-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2010-06-23

Quad Summary: Watsonville East (3612186)
County Summary: Santa Cruz

Lat/Long:	36.98448 / -121.71502	Accuracy:	non-specific area
UTM:	Zone-10 N4093922 E614358	Elevation (ft):	
PLSS:	T11S, R02E, Sec. 11, SE (M)	Acres:	30.0

Location: 1.3 MILES BELOW HECKER PASS SUMMIT, ON WATSONVILLE SIDE.
Detailed Location: MAPPED BY CNDDDB AROUND 1.3 ROAD MILES SOUTH OF HECKER PASS SUMMIT ALONG HECKER PASS HIGHWAY.
Ecological: IN ROCKS OF ROADCUT, SHADED BY SEQUOIA SEMPERVIRENS.
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1952 COLLECTION BY CARLQUIST. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No.	11	Map Index: 56382	EO Index: 80121	Element Last Seen: 1903-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1903-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2010-06-23

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.10899 / -121.47868	Accuracy:	4/5 mile
UTM:	Zone-10 N4108046 E635171	Elevation (ft):	
PLSS:	T09S, R04E, Sec. 36 (M)	Acres:	0.0

Location: TOWARD GILROY HOT SPRINGS, GILROY.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN VICINITY OF GILROY HOT SPRINGS. THIS MAY NOT BE THE SITE OF THIS HISTORICAL LOCATION.
Ecological:
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1903 COLLECTION BY ELMER. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No.	12	Map Index: 79153	EO Index: 80122	Element Last Seen: 1901-03-30
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1901-03-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2010-06-23

Quad Summary: Gilroy (3712115)
County Summary: Santa Clara

Lat/Long:	37.08584 / -121.60654	Accuracy:	1 mile
UTM:	Zone-10 N4105303 E623848	Elevation (ft):	
PLSS:	T10S, R03E, Sec. 02 (M)	Acres:	0.0

Location: SAN MARTIN.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN VICINITY OF SAN MARTIN.
Ecological:
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1901 COLLECTION BY CHANDLER. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN



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Occurrence No.	13	Map Index: 79154	EO Index: 80123	Element Last Seen:	1941-06-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1941-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-06-23
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.00937 / -121.71067		Accuracy:	non-specific area	
UTM:	Zone-10 N4096689 E614707		Elevation (ft):	1500	
PLSS:	T11S, R02E, Sec. 01, NW (M)		Acres:	33.0	
Location:	1.4 MILES NORTHEAST OF HECKER PASS SUMMIT, SANTA CRUZ MOUNTAINS.				
Detailed Location:	MAPPED AS BEST GUESS BY CNDDDB AROUND 1.4 ROAD MILES NNE OF HECKER PASS SUMMIT ON POLE LINE RD. ELEVATION GIVEN AS 1500 FT, BUT MEASURED DISTANCES PLACES THIS OCCURRENCE AT ~1800 FT.				
Ecological:	STEEP, PARTLY SHADED SLOPE. DISTURBED SOIL.				
General:	ONLY SOURCES OF INFORMATION FOR THIS OCCURRENCE ARE TWO CRUM COLLECTIONS FROM 1939 AND 1941. NEEDS FIELDWORK.				
Owner/Manager:	SCL COUNTY-MT MADONNA PARK				
Occurrence No.	14	Map Index: 79155	EO Index: 80124	Element Last Seen:	1936-05-25
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1936-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-06-23
Quad Summary:	Mt. Madonna (3712116), Loma Prieta (3712117)				
County Summary:	Santa Cruz				
Lat/Long:	37.01552 / -121.75375		Accuracy:	2/5 mile	
UTM:	Zone-10 N4097320 E610865		Elevation (ft):	1000	
PLSS:	T10S, R02E, Sec. 33 (M)		Acres:	0.0	
Location:	HAZELDELL SCHOOL, PLOT 4.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB AT HISTORIC LOCATION OF HAZELDELL SCHOOL.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1936 COLLECTION BY BELSHAW. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				
Occurrence No.	51	Map Index: 93075	EO Index: 94225	Element Last Seen:	1915-04-05
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1915-04-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-07-09
Quad Summary:	Moss Landing (3612177), Watsonville East (3612186), Watsonville West (3612187)				
County Summary:	Monterey, San Benito, Santa Cruz				
Lat/Long:	36.90941 / -121.73263		Accuracy:	non-specific area	
UTM:	Zone-10 N4085573 E612901		Elevation (ft):		
PLSS:	T12S, R02E, Sec. 10 (M)		Acres:	954.0	
Location:	PAJARO RIVER, MONTEREY COUNTY.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS ALONG THE PAJARO RIVER, MOSTLY ALONG THE MONTEREY/SANTA CRUZ COUNTY LINE.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1915 EASTWOOD COLLECTION. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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<i>Plagiobothrys diffusus</i>		Element Code: PDBOR0V080	
San Francisco popcornflower			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G1Q
	State: Endangered		State: S1
	Other: Rare Plant Rank - 1B.1, SB_UCSC-UC Santa Cruz		
Habitat:	General: VALLEY AND FOOTHILL GRASSLAND, COASTAL PRAIRIE.		
	Micro: HISTORICALLY FROM GRASSY SLOPES WITH MARINE INFLUENCE. 45-360 M.		
Occurrence No.	16	Map Index: 95773	EO Index: 96910
Occ. Rank:	Good	Presence: Presumed Extant	Element Last Seen: 2013-03-25
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Site Last Seen: 2013-03-25
			Record Last Updated: 2015-03-27
Quad Summary:	San Juan Bautista (3612175)		
County Summary:	San Benito		
Lat/Long:	36.86645 / -121.60795	Accuracy:	80 meters
UTM:	Zone-10 N4080962 E624078	Elevation (ft):	400
PLSS:	T12S, R03E, Sec. 26, N (M)	Acres:	0.0
Location:	NORTH SIDE OF US-101 BETWEEN CANNON ROAD AND COLE ROAD, SOUTH OF MUERTOS CANYON, WEST OF SAN JUAN VALLEY.		
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2013 HALEY COORDINATES.		
Ecological:	GROWING ON A LEVEL, SCRAPED ROAD CUT WITH PSILOCARPUS TENELLUS, ADJACENT TO NATIVE PERENNIAL GRASSLAND/VALLEY NEEDLE GRASSLAND HABITAT. THE NATIVE GRASSLAND IS DOMINATED BY STIPA PULCHRA, ACAENA CALIFORNICA, CALYSTEGIA SUBCAULIS, ETC.		
General:	ABOUT 700 PLANTS IN 2013. PORTIONS OF CANYON ARE PROPOSED FOR FILL FROM QUARRY OPERATIONS BUT FILL SOIL WILL BE ~700 FT AWAY FROM THE PLAGIOBOTHRYIS POPULATION AREA. PLANTS KEYED IN JEPSON MANUAL & COMPARED TO GRAHAM HILL RD POPULATION.		
Owner/Manager:	PVT		



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<i>Plagiobothrys glaber</i>		Element Code: PDBOR0V0B0	
hairless popcornflower			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: GX
	State: None		State: SX
	Other: Rare Plant Rank - 1A		
Habitat:	General: MEADOWS AND SEEPS, MARSHES AND SWAMPS.		
	Micro: COASTAL SALT MARSHES AND ALKALINE MEADOWS. 5-125 M.		

Occurrence No.	1	Map Index: 28361	EO Index: 29533	Element Last Seen:	1954-05-01
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen:	1954-05-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-03
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.89050 / -121.40706		Accuracy:	1 mile	
UTM:	Zone-10 N4083909 E641941		Elevation (ft):	220	
PLSS:	T12S, R05E, Sec. 15 (M)		Acres:	0.0	
Location:	HOLLISTER AIRPORT, NORTH OF HOLLISTER.				
Detailed Location:	INCLUDES ALL KNOWN COLLECTIONS FROM VICINITY OF HOLLISTER.				
Ecological:	GRASSY ALKALINE FLAT.				
General:	SITE BASED ON 1938 COLLECTIONS FROM "HOLLISTER AIRPORT" AND "NEAR HOLLISTER" AND 1954 COLLECTION FROM "NORTH OF HOLLISTER." A SINGLE PLANT OBSERVED IN 1954.				
Owner/Manager:	UNKNOWN				

<i>Streptanthus albidus ssp. peramoenus</i>		Element Code: PDBRA2G012	
most beautiful jewelflower			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2T2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley, USFS_S-Sensitive		
Habitat:	General: CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.		
	Micro: SERPENTINE OUTCROPS, ON RIDGES AND SLOPES. 90-1040 M.		

Occurrence No.	5	Map Index: 17200	EO Index: 20650	Element Last Seen:	1992-05-XX
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1992-05-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-07-02
Quad Summary:	Gilroy (3712115), Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.07188 / -121.62450		Accuracy:	specific area	
UTM:	Zone-10 N4103731 E622274		Elevation (ft):	500	
PLSS:	T10S, R03E, Sec. 10 (M)		Acres:	65.5	
Location:	SOUTHWEST OF SAN MARTIN, AT END OF HIGHLAND AVENUE, JUST WEST OF JUNCTION WITH TURLOCK AVENUE.				
Detailed Location:					
Ecological:	ON HILL IN ROCKY, RATHER BARREN SERPENTINE SOIL. ASSOCIATED WITH PLANTAGO ERECTA, PLATYSTEMON CALIFORNICUM, AND THE RARE DUDLEYA SETCHELLII. AREA BURNED IN 1989.				
General:	ABOUT 400 PLANTS IN 1990, OVER 10,000 IN 1992.				
Owner/Manager:	PVT				



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Occurrence No.	17	Map Index: 30508	EO Index: 26360	Element Last Seen: 1992-06-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1992-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1996-11-14

Quad Summary: Chittenden (3612185)
County Summary: Santa Clara

Lat/Long:	36.94851 / -121.59636	Accuracy:	80 meters
UTM:	Zone-10 N4090080 E624978	Elevation (ft):	950
PLSS:	T11S, R03E, Sec. 25, NW (M)	Acres:	0.0

Location: CARLYLE HILLS, ABOUT 3.5 MILES SSW OF GILROY, 0.25 MILE NORTH OF SPRING IN SECTION 25.
Detailed Location:
Ecological: DRY SERPENTINE OUTCROP WITH BROMUS MOLLIS, NASSELLA PULCHRA, KOELARIA CRISTATA, SITANION JUBATUM, PLANTAGO ERECTA, AND VULPIA.
General: FEWER THAN 50 PLANTS IN 1992.
Owner/Manager: UNKNOWN

Occurrence No.	28	Map Index: 40920	EO Index: 40920	Element Last Seen: 2007-06-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2007-06-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2010-08-25

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.11665 / -121.69304	Accuracy:	specific area
UTM:	Zone-10 N4108612 E616112	Elevation (ft):	450
PLSS:	T09S, R03E, Sec. 30, SW (M)	Acres:	0.0

Location: NE SIDE OF CHESBRO RESERVOIR DAM, IMMEDIATELY WEST OF OAK GLEN AVE, MORGAN HILL.
Detailed Location:
Ecological: OPENINGS IN CHAPARRAL. SW-FACING SLOPE. SERPENTINE SOILS. ASSOC WITH ANTIRRHINUM VEXILLO-CALYCVLATUM SSP. VEXILLO-CALYCVLATUM, ERIOGONUM ROSEUM, SALVIA COLUMBARIAE, PELLAEA ANDROMEDIFOLIA, & CORDYLANTHUS SP. ARCTOSTAPHYLOS GLAUCA ADJACENT.
General: 40 PLANTS OBSERVED IN 2007.
Owner/Manager: UNKNOWN



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Occurrence No.	63	Map Index: 63122	EO Index: 63266	Element Last Seen:	2010-04-26
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2010-04-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-12-19
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.01794 / -121.69195		Accuracy:	80 meters	
UTM:	Zone-10 N4097662 E616361		Elevation (ft):	1000	
PLSS:	T10S, R03E, Sec. 31, SW (M)		Acres:	5.0	
Location:	MOUNT MADONNA COUNTY PARK, JUST DOWNSLOPE AND EAST OF THE JUNCTION OF MERRY-GO-ROUND TRAIL AND TIE CAMP TRAIL.				
Detailed Location:	MAPPED ACCORDING TO 2010 O'DELL COORDINATES, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 31.				
Ecological:	GRAVELLY/ROCKY SERPENTINE BARREN SLOPES AT THE EDGE OF THE GRASSLAND. ASSOCIATED WITH THE RARE DUDLEYA SETCHELLII AND LESSINGIA MICRADENIA SSP. GLABRATA.				
General:	UNKNOWN NUMBER OF PLANTS SEEN IN THIS VICINITY IN 2005. HUNDREDS OF PLANTS OBSERVED IN 2010.				
Owner/Manager:	SCL COUNTY-MT MADONNA PARK				
Occurrence No.	78	Map Index: 67515	EO Index: 68299	Element Last Seen:	2003-10-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-10-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-27
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.11428 / -121.66866		Accuracy:	80 meters	
UTM:	Zone-10 N4108379 E618282		Elevation (ft):	800	
PLSS:	T09S, R03E, Sec. 32, NW (M)		Acres:	0.0	
Location:	0.5 AIR MILE SOUTHEAST OF THE SUMMIT OF EL TORO, NEAR MORGAN HILL.				
Detailed Location:	UNDER STEEL TOWER TRANSMISSION LINE.				
Ecological:	SERPENTINE GRASSLAND DOMINATED BY THE RARE LESSINGIA MICRADENIA SSP. GLABRATA.				
General:	POPULATION SIZE UNKNOWN. S. ALIBDUS SSP. PERAMOENUS WAS LISTED AS AN ASSOCIATE HERE DURING A 2003 SURVEY FOR DUDLEYA SETCHELLII.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	79	Map Index: 67516	EO Index: 68300	Element Last Seen:	2003-10-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-10-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-27
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.03246 / -121.66534		Accuracy:	80 meters	
UTM:	Zone-10 N4099307 E618704		Elevation (ft):	470	
PLSS:	T10S, R03E, Sec. 29, S (M)		Acres:	0.0	
Location:	NEAR MOUTH OF ARTHUR CREEK, UNDER HIGH-VOLTAGE POWERLINES NORTH OF REDWOOD RETREAT ROAD, 5 AIR MILES WNW OF GILROY.				
Detailed Location:	UNDER POWER LINE RIGHT OF WAY FOR 230 KV STEEL TOWER TRANSMISSION LINE, SPAN FROM TOWER 41/184 TO 41/183. NEAR WOOD POLE CIRCUIT.				
Ecological:	SERPENTINE GRASSLAND DOMINATED BY LESSINGIA MICRADENIA SSP. GLABRATA.				
General:	POPULATION SIZE UNKNOWN. S. ALIBDUS SSP. PERAMOENUS WAS LISTED AS AN ASSOCIATE HERE DURING A 2003 SURVEY FOR DUDLEYA SETCHELLII.				
Owner/Manager:	UNKNOWN				
Occurrence No.	86	Map Index: 79802	EO Index: 80799	Element Last Seen:	2007-06-06
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2007-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-09-01
Quad Summary:	Gilroy (3712115)				
County Summary:	Santa Clara				
Lat/Long:	37.12015 / -121.54802		Accuracy:	specific area	
UTM:	Zone-10 N4109188 E628990		Elevation (ft):	900	
PLSS:	T09S, R04E, Sec. 29, SE (M)		Acres:	1.0	
Location:	NORTHEAST SIDE OF COYOTE LAKE DAM, NORTH OF GILROY.				
Detailed Location:	ON HILLSIDE ABOVE SPILLWAY.				
Ecological:	STEEP, OPEN, ROCKY SW-FACING SLOPE. ASSOCIATED WITH AVENA FATUA, BRACHYPODIUM DISTACHYON, DUDLEYA SETCHELLII, AND SALVIA COLUMBARIAE.				
General:	1 PLANT OBSERVED IN 2007.				
Owner/Manager:	SANTA CLARA VALLEY WATER DIST				



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Occurrence No.	104	Map Index: A7798	EO Index: 109584	Element Last Seen:	2018-04-26
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2018-04-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2022-03-22
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.11731 / -121.70595		Accuracy:	specific area	
UTM:	Zone-10 N4108669 E614965		Elevation (ft):	753	
PLSS:	T09S, R02E, Sec. 25, SW (M)		Acres:	30.0	
Location:	SLOPES ABOVE CHESBRO LAKE DRIVE AND RESERVOIR SHORELINE, ABOUT 0.7 AIR MILE WNW OF ELMER J CHESBRO DAM.				
Detailed Location:	2 POLYGONS MAPPED IN THE EAST 1/2 OF THE SW 1/4 OF SECTION 25, BASED ON 2016 & 2018 FIELD SURVEYS.				
Ecological:	SERPENTINE GRASSLANDS AND ROCK OUTCROPS ON EAST-FACING SLOPES. ASSOCIATES INCLUDE BROMUS HORDEACEUS, AVENA FATUA, ESCHSCHOLZIA CALIFORNICA, LESSINGIA MICRADENIA VAR. GLABRATA, HEMIZONIA CONGESTA SSP. LUZULIFOLIA, PLAGIOBOTHRYUS, ELYMUS, ETC.				
General:	72 PLANTS OBSERVED IN 2016. 1,500 PLANTS OBSERVED IN 2018.				
Owner/Manager:	PVT				
Occurrence No.	105	Map Index: A7803	EO Index: 109590	Element Last Seen:	2016-06-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-12-26
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.09169 / -121.72111		Accuracy:	specific area	
UTM:	Zone-10 N4105809 E613657		Elevation (ft):	600	
PLSS:	T10S, R02E, Sec. 2, NE (M)		Acres:	5.0	
Location:	WEST OF UVAS ROAD, ABOUT 3.1 AIR MILES NORTHWEST OF UVAS DAM, UVAS CREEK OPEN SPACE PRESERVE.				
Detailed Location:	SCATTERED COLONIES ON HILL ABOUT 600 FEET WEST OF UVAS ROAD. 3 POLYGONS MAPPED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 2.				
Ecological:	SEMI-BARREN SERPENTINE ROCK OUTCROPS WITHIN SERPENTINE CHAPARRAL; VARIABLE SLOPES AND ASPECTS. ASSOCIATED WITH PINUS SABINIANA, ARCTOSTAPHYLOS GLAUCA, LEPTOSIPHON AMBIGUUS, AND DUDLEYA ABRAMSII SSP. SETCHELLII.				
General:	FEWER THAN 50 PLANTS OBSERVED IN 2015. ~240 PLANTS OBSERVED IN 2016.				
Owner/Manager:	SCL COUNTY OPEN SPACE				



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Campanula exigua

Element Code: PDCAM020A0

chaparral harebell

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden		
Habitat:	General: CHAPARRAL.		
	Micro: ROCKY SITES, USUALLY ON SERPENTINE IN CHAPARRAL. 90-1375 M.		

Occurrence No.	6	Map Index:	56382	EO Index:	56398	Element Last Seen:	1895-05-31
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1895-05-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2004-08-17		

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.10899 / -121.47868	Accuracy:	4/5 mile
UTM:	Zone-10 N4108046 E635171	Elevation (ft):	2200
PLSS:	T09S, R04E, Sec. 36 (M)	Acres:	0.0

Location: ON TRAIL, HALF MILE ABOVE GILROY HOT SPRINGS, COYOTE CREEK.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN THE VICINITY OF GILROY HOT SPRINGS.

Ecological:
General: OCCURRENCE KNOWN ONLY FROM AN 1895 COLLECTION BY DUDLEY. UNKNOWN IF "HALF MILE ABOVE GILROY HOT SPRINGS" REFERS TO TRAILS ON PALASSOU RIDGE, WEST OF GILROY HOT SPRINGS, OR TRAILS N OF GILROY HOT SPRINGS. SITE MAPPED TO ENCOMPASS BOTH AREAS.
Owner/Manager: UNKNOWN



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<i>Legenere limosa</i>		Element Code: PDCAM0C010	
legenere			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_UCBG-UC Botanical Garden at Berkeley		
Habitat:	General: VERNAL POOLS.		
	Micro: IN BEDS OF VERNAL POOLS. 1-1005 M.		

Occurrence No.	54	Map Index:	67508	EO Index:	48968	Element Last Seen:	2004-05-04
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2004-05-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-04-16	
Quad Summary:	Gilroy (3712115)						
County Summary:	Santa Clara						
Lat/Long:	37.09940 / -121.52082		Accuracy:	specific area			
UTM:	Zone-10 N4106923 E631443		Elevation (ft):	2000			
PLSS:	T10S, R04E, Sec. 03, NW (M)		Acres:	1.0			
Location:	UPPER AND LOWER TWIN LAKES, NORTH END OF TIMBER RIDGE, EAST OF COYOTE LAKE, NNE OF GILROY.						
Detailed Location:							
Ecological:	AT EDGE OF EPHEMERAL STOCK PONDS UNDER SEMI-SHADE OF QUERCUS LOBATA AND AROUND DRIED BACK POND MARGIN. GROWING IN AREA OF LOW VEGETATIVE COVER WITH LILAEA SCILLOIDES, RORIPPA CURVISILIQUA, ELEOCHARIS MACROSTACHYA, AND PLAGIOBOTHRYIS SPP.						
General:	APPROXIMATELY 455 PLANTS OBSERVED IN 2002 IN UPPER TWIN LAKE. 12 PLANTS IN 2004 IN LOWER TWIN LAKE.						
Owner/Manager:	SCL COUNTY						

<i>Extriplex joaquinana</i>		Element Code: PDCHE041F3	
San Joaquin spearscale			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden		
Habitat:	General: CHENOPOD SCRUB, ALKALI MEADOW, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: IN SEASONAL ALKALI WETLANDS OR ALKALI SINK SCRUB WITH DISTICHLIS SPICATA, FRANKENIA, ETC. 0-800 M.		



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Occurrence No.	20	Map Index: 28361	EO Index: 9590	Element Last Seen:	1938-05-28
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1938-05-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-12-15
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.89050 / -121.40706		Accuracy:	1 mile	
UTM:	Zone-10 N4083909 E641941		Elevation (ft):		
PLSS:	T12S, R05E, Sec. 15 (M)		Acres:	0.0	
Location:	HOLLISTER AIRPORT.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS.				
Ecological:					
General:	OCCURRENCE IS BASED ON 1938 HOOVER COLLECTION FROM HOLLISTER AIRPORT AND HOWELL COLLECTION TAKEN THE SAME DAY FROM "NEAR HOLLISTER." 1897 SETCHELL COLLECTION FROM HOLLISTER ALSO ATTRIBUTED HERE. INCLUDES FORMER OCCURRENCE #21.				
Owner/Manager:	UNKNOWN				
Occurrence No.	34	Map Index: 24868	EO Index: 6765	Element Last Seen:	2012-07-09
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2012-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-04-18
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.77918 / -121.40251		Accuracy:	80 meters	
UTM:	Zone-10 N4071566 E642553		Elevation (ft):	650	
PLSS:	T13S, R05E, Sec. 27, NE (M)		Acres:	0.0	
Location:	BIRD CREEK, JUST NORTH OF THE SAN ANDREAS FAULT, SOUTH OF HOLLISTER.				
Detailed Location:	MAPPED ALONG BIRD CREEK, BETWEEN CREEK AND CIENEGA ROAD WHERE ROAD CURVES NORTH TOWARDS HOLLISTER.				
Ecological:	ALKALI SEEP WITHIN NONNATIVE GRASSLAND. ASSOCIATED WITH HORDEUM MARINUM SSP. GUSSONEANUM, HORDEUM DEPRESSUM, POLYPOGON MONSPELIENSIS, BRODIAEA ELEGANS, MALVELLA LEPROSA, AND LOLIUM MULTIFLORUM.				
General:	25 PLANTS IN 1993, 400 ESTIMATED IN 1995. BLM OHV AREA IS ON OPPOSITE SIDE OF CIENEGA ROAD FROM SITE. 2012 WINCHELL PHOTOS FROM "HOLLISTER HILLS" WITH COORDINATES AT THIS SITE ARE ATTRIBUTED TO THIS OCCURRENCE. NOTED AS "UNCOMMON" IN 2012.				
Owner/Manager:	DPR				



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Occurrence No.	48	Map Index: 28839	EO Index: 30319	Element Last Seen:	2017-06-24
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2017-06-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-12-08
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.78791 / -121.4071		Accuracy:	specific area	
UTM:	Zone-10 N4072528 E642128		Elevation (ft):	620	
PLSS:	T13S, R05E, Sec. 22, E (M)		Acres:	8.0	
Location:	ABOUT 4 MILES SOUTH OF HOLLISTER, ALONG UNNAMED CREEK, 0.7 TO 1 MILE NORTH OF CROSSING OF CIENEGA ROAD AND BIRD CREEK.				
Detailed Location:	MAPPED AS 4 POLYGONS ACCORDING TO 2017 O'DELL COORDINATES, IN THE EAST 1/2 OF SECTION 22.				
Ecological:	ON BANKS OF DEEPLY INCISED CHANNEL OF UNNAMED CREEK FLOWING THROUGH NONNATIVE GRASSLAND. IN SILTY, ALKALINE CLAY. WITH DISTICHLIS SPICATA, LOLIUM MULTIFLORUM, AND MENTZELIA SP.				
General:	150 PLANTS IN 1995. 1200+ PLANTS OBSERVED IN 2017.				
Owner/Manager:	DPR-HOLLISTER HILLS SVRA				
Occurrence No.	64	Map Index: 49794	EO Index: 49794	Element Last Seen:	2013-07-10
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2013-07-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-04-18
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.97267 / -121.46708		Accuracy:	80 meters	
UTM:	Zone-10 N4092938 E636446		Elevation (ft):	148	
PLSS:	T11S, R05E, Sec. 18, SW (M)		Acres:	0.0	
Location:	SAN FELIPE LAKE, OFF OF LAKE RD AND FRAZIER LAKE RD, SAN BENITO COUNTY, NEAR COUNTY LINE WITH SANTA CLARA.				
Detailed Location:	GROWING AT LOW DENSITY, SCATTERED ACROSS A LARGE EXPANSE OF GRASSLAND. IN THE CENTER OF THE SW 1/4 OF SECTION 18.				
Ecological:	ALKALINE GRASSLAND NEAR LAKE. WITH EXOTIC ANNUAL GRASSES SUCH AS LOLIUM MULTIFLORUM, HORDEUM MARINUM SSP. GUSSONEANUM; BETA VULGARIS, MALVELLA LEPROSA, FRANKENIA SALINA, ETC. ERYNGIUM ARISTULATUM VAR. HOOVERI OCCURS CLOSER TO THE LAKE.				
General:	~200 PLANTS OBSERVED IN A 1 ACRE SUB-SAMPLE AREA IN 2013. THE POP. COULD BE SCATTERED ACROSS AN EST. 247 ACRES. TWO 1896 JEPSON COLLECTIONS FROM "HOLLISTER RD NEAR SOAP LAKE (SAN FELIPE LAKE)" & "GILROY VALLEY" ARE ATTRIBUTED TO THIS SITE.				
Owner/Manager:	PVT				



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Occurrence No.	129	Map Index:	A7486	EO Index:	109255	Element Last Seen:	2017-06-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2017-06-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-12-11	
Quad Summary:	Hollister (3612174)						
County Summary:	San Benito						
Lat/Long:	36.79604 / -121.40643			Accuracy:	specific area		
UTM:	Zone-10 N4073431 E642173			Elevation (ft):	500		
PLSS:	T13S, R05E, Sec. 15, S (M)			Acres:	5.0		
Location:	EAST SIDE OF CIENEGA ROAD, ABOUT 0.5 ROAD MILE SOUTH OF ITS JUNCTION WITH HIDDEN VALLEY ROAD, SOUTH OF HOLLISTER.						
Detailed Location:	MAPPED AS 5 POLYGONS ACCORDING TO 2017 O'DELL COORDINATES, IN THE SOUTH 1/2 OF SECTION 15 AND THE NE 1/4 OF THE NE 1/4 OF SECTION 22.						
Ecological:	VERTIC CLAY.						
General:	170+ PLANTS OBSERVED IN 2017.						
Owner/Manager:	DPR-HOLLISTER HILLS SVRA						

Occurrence No.	130	Map Index:	A7487	EO Index:	109256	Element Last Seen:	2017-07-23
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2017-07-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-12-11	
Quad Summary:	Hollister (3612174)						
County Summary:	San Benito						
Lat/Long:	36.79785 / -121.41555			Accuracy:	specific area		
UTM:	Zone-10 N4073619 E641355			Elevation (ft):	500		
PLSS:	T13S, R05E, Sec. 15, SW (M)			Acres:	2.0		
Location:	WEST OF CIENEGA RD, ABOUT 0.6 AIR MILE SSW OF THE JUNCTION OF HIDDEN VALLEY RD AND CIENEGA RD, SOUTH OF HOLLISTER.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO 2017 O'DELL COORDINATES, IN THE SW 1/4 OF THE SW 1/4 OF SECTION 15.						
Ecological:	VERTIC CLAY SOIL.						
General:	IN 2017, WESTERN POLYGON HAD FEWER THAN 10 PLANTS AND EASTERN POLYGON HAD FEWER THAN 100 PLANTS.						
Owner/Manager:	DPR-HOLLISTER HILLS SVRA						

Dudleya abramsii ssp. setchellii				Element Code: PDCRA040Z0			
Santa Clara Valley dudleya							
Listing Status:	Federal:	Endangered	CNDDB Element Ranks:	Global:	G4T2	State:	S2
	State:	None					
	Other:	Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden					
Habitat:	General:	VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.					
	Micro:	ON ROCKY SERPENTINE OUTCROPS AND ON ROCKS WITHIN GRASSLAND OR WOODLAND. 60-455 M.					



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Occurrence No.	9	Map Index:	17200	EO Index:	22072	Element Last Seen:	1992-05-XX
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:	1992-05-XX	Record Last Updated:	2010-07-21
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Gilroy (3712115), Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.07188 / -121.62450			Accuracy:	specific area		
UTM:	Zone-10 N4103731 E622274			Elevation (ft):	500		
PLSS:	T10S, R03E, Sec. 10, SE (M)			Acres:	65.5		
Location:	AT END OF HIGHLAND AVENUE JUST WEST OF JUNCTION WITH TURLOCK AVENUE, SOUTHWEST OF SAN MARTIN.						
Detailed Location:	1200 ACRES TO BE SET ASIDE IN OPEN SPACE (INCLUDING 40-50 ACRES OF SERPENTINE).						
Ecological:	IN ROCKY, BARREN SERPENTINE OUTCROPS. BURNED IN 1989. WITH GILIA SPP., PLANTAGO ERECTA, SALVIA COLUMBARIÆ, PLATYSTEMON CALIFORNICUM, AND STREPTANTHUS ALBIDUS PERAMOENUS (ALSO RARE).						
General:	APPROXIMATELY 400 PLANTS OBSERVED IN 1990. APPROXIMATELY 150 PLANTS OBSERVED IN 1992, BUT ENTIRE OCCURRENCE PROBABLY NOT SEARCHED.						
Owner/Manager:	PVT						
Occurrence No.	18	Map Index:	23717	EO Index:	16708	Element Last Seen:	1991-08-09
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1991-08-09	Record Last Updated:	1996-11-14
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.10998 / -121.69090			Accuracy:	specific area		
UTM:	Zone-10 N4107875 E616313			Elevation (ft):	700		
PLSS:	T09S, R03E, Sec. 31 (M)			Acres:	18.1		
Location:	SOUTH OF JUNCTION OF LLAGAS CREEK AND PARADISE CREEK, ABOUT 0.4 MILE SSE OF CHESBRO RESERVOIR DAM, MORGAN HILL.						
Detailed Location:	MAPPED ABOUT 0.2 MILE SOUTH OF GAGING STATION ALONG LLAGAS CREEK.						
Ecological:	ASSOCIATED WITH NASSELLA PULCHRA, MELICA SP., SITANION SP., PLANTAGO ERECTA, AND PLATYSTEMON CALIFORNICA.						
General:	260 ROSETTES IN 1991.						
Owner/Manager:	PVT						



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Occurrence No.	23	Map Index: 41773	EO Index: 41773	Element Last Seen:	2020-05-11
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2020-05-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-20
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.07813 / -121.64304		Accuracy:	specific area	
UTM:	Zone-10 N4104401 E620617		Elevation (ft):	715	
PLSS:	T10S, R03E, Sec. 9, NE (M)		Acres:	7.0	
Location:	HAYES LANE, RIDGE SOUTH OF LLAGAS CREEK AND NORTHEAST OF HAYES VALLEY, SOUTH OF MORGAN HILL.				
Detailed Location:	MAPPED AS 3 POLYGONS ON SUMMIT OF RIDGE ALONG BOTH SIDES OF HAYES LANE.				
Ecological:	ON WEATHERED SERPENTINE OUTCROPS NEAR SUMMIT OF HILL. VALLEY OAK SAVANNA WITH STREPTANTHUS ALBIDUS SSP. PERAMOENUS, ESCHSCHOLZIA CALIFORNICA, STIPA PULCHRA, CHLOROGALUM POMERIDIANUM, AVENA BARBATA, PHACELIA IMBRICATA, ETC.				
General:	EASTERN POLYGON: 50-100 PLANTS OBSERVED IN 1999; NO OTHER RARE SPECIES OBSERVED AT THIS SITE, BUT FAVORABLE HABITAT EXISTS FOR OTHER RARE PLANTS. TWO WESTERN POLYGONS: 29 PLANTS OBSERVED IN 2020.				
Owner/Manager:	PVT				
Occurrence No.	43	Map Index: 93106	EO Index: 63214	Element Last Seen:	2013-05-16
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2013-05-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-07-10
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.01760 / -121.69190		Accuracy:	specific area	
UTM:	Zone-10 N4097625 E616365		Elevation (ft):	1000	
PLSS:	T10S, R03E, Sec. 31, SW (M)		Acres:	10.0	
Location:	MOUNT MADONNA COUNTY PARK, JUST DOWNSLOPE AND EAST OF THE JUNCTION OF MERRY-GO-ROUND TRAIL AND TIE CAMP TRAIL.				
Detailed Location:	SMALL COLONY OF ROUGHLY 50 METERS BY 200 METERS IN 2005. ON THE FAR NORTHWESTERN PART OF THE LOCAL SERPENTINE EXPOSURE. MAPPED BY CNDDDB BASED ON GPS COORDINATES FROM TAYLOR IN 2005 AND O'DELL IN 2013.				
Ecological:	GROWING IN CREVICES OF PROMINENT LANDSLIDE ESCARPMENT ON VIRTUALLY BARREN SERPENTINE. ASSOCIATED WITH THE RARE LESSINGIA MICRADENIA SSP. GLABRATA AND STREPTANTHUS ALBIDUS VAR. PERAMOENUS.				
General:	288 PLANTS OBSERVED IN 2005. FEWER THAN 50 PLANTS OBSERVED IN 2013.				
Owner/Manager:	SCL COUNTY-MT MADONNA PARK				



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Occurrence No.	47	Map Index: 67514	EO Index: 67675	Element Last Seen:	2015-04-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-04-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-07-15

Quad Summary: Gilroy Hot Springs (3712114)
County Summary: Santa Clara

Lat/Long:	37.10421 / -121.47399	Accuracy:	non-specific area
UTM:	Zone-10 N4107522 E635597	Elevation (ft):	1000
PLSS:	T09S, R04E, Sec. 36, SE (M)	Acres:	30.0

Location: GILROY HOT SPRINGS ROAD, 0.5 MILE SOUTH OF SPRINGS AT COYOTE CREEK.
Detailed Location: MAPPED BY CNDDDB ACCORDING TO LOCATION DESCRIPTION IN 2001 HELMKAMP COLLECTION; GIVEN ELEVATION IS 600 FEET BUT ELEVATION IN MAPPED AREA IS CLOSER TO 1000 FEET.
Ecological: RIPARIAN, STEEP, ROCKY BANK. IN 2015, GROWING ON ROCKY OUTCROP OVERLOOKING SEASONAL STREAM IN FULL SUN, SOIL VERY DRY, WITH PELLAEA ANDROMEDIFOLIA.
General: SITE BASED ON A 2001 COLLECTION BY HELMKAMP; MENTIONED AS "OCCASIONAL" IN 2001. A 2015 CORKILL COLLECTION FROM "GILROY HOT SPRINGS ROAD, GILROY" IS ALSO ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.
Owner/Manager: DPR-HENRY W COE SP

Occurrence No.	48	Map Index: 67515	EO Index: 67676	Element Last Seen:	2003-10-20
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-10-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-07-10

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.11428 / -121.66866	Accuracy:	80 meters
UTM:	Zone-10 N4108379 E618282	Elevation (ft):	800
PLSS:	T09S, R03E, Sec. 32, NW (M)	Acres:	0.0

Location: 0.5 AIR MILE SSE OF THE SUMMIT OF EL TORO, WEST OF MORGAN HILL.
Detailed Location: UNDERNEATH TRANSMISSION LINE.
Ecological: SERPENTINE GRASSLAND DOMINATED BY LESSINGIA MICRADENIA SSP. GLABRATA. STREPTANTHUS ALBIDUS SSP. PERAMOENUS ALSO PRESENT.
General: 250 PLANTS OBSERVED IN 2003. A 1918 KIMBER COLLECTION FROM "EL TORO NEAR MORGAN HILL" IS ALSO ATTRIBUTED TO THIS SITE.
Owner/Manager: UNKNOWN



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Occurrence No.	49	Map Index: 67516	EO Index: 67677	Element Last Seen:	2003-10-21
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2003-10-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-01-05
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.03246 / -121.66534		Accuracy:	80 meters	
UTM:	Zone-10 N4099307 E618704		Elevation (ft):	470	
PLSS:	T10S, R03E, Sec. 29, SE (M)		Acres:	0.0	
Location:	0.7 AIR MILE NW OF THE INTERSECTION OF REDWOOD RETREAT ROAD AND WATSONVILLE ROAD, ON HILLS NORTH OF LITTLE ARTHUR CREEK.				
Detailed Location:	WITHIN TRANSMISSION LINE RIGHT-OF-WAY.				
Ecological:	SERPENTINE GRASSLAND DOMINATED BY LESSINGIA MICRADENIA SSP. GLABRATA. STREPTANTHUS ALBIDUS SSP. PERAMOENUS ALSO PRESENT.				
General:	44 PLANTS OBSERVED IN 2003.				
Owner/Manager:	PVT				
Occurrence No.	50	Map Index: 67517	EO Index: 67678	Element Last Seen:	2004-05-12
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-05-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-12-29
Quad Summary:	Gilroy Hot Springs (3712114), Mississippi Creek (3712124)				
County Summary:	Santa Clara				
Lat/Long:	37.12779 / -121.42805		Accuracy:	specific area	
UTM:	Zone-10 N4110206 E639635		Elevation (ft):	2000	
PLSS:	T09S, R05E, Sec. 28, NE (M)		Acres:	10.0	
Location:	ALONG COIT ROAD, NORTH OF KELLY LAKE, IN HENRY WILLARD COE STATE PARK.				
Detailed Location:	BOTH ABOVE AND BELOW THE ROAD. TWO COLONIES.				
Ecological:	ASSOCIATED WITH TOXICODENDRON DIVERSILOBUM, ARTEMISIA CALIFORNICA, BACCHARIS PILULARIS, QUERCUS DOUGLASII, AVENA BARBATA, ERIOPHYLLUM SP, ERIOGONUM SP, LOMATIUM SP, AND LOTUS SP. WEST-FACING SLOPES.				
General:	APPROXIMATELY 45 PLANTS OBSERVED IN 2004.				
Owner/Manager:	DPR-HENRY W COE SP				



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Occurrence No.	55	Map Index: 71887	EO Index: 72750	Element Last Seen:	2007-06-06
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-08-07

Quad Summary: Gilroy (3712115)
County Summary: Santa Clara

Lat/Long:	37.12014 / -121.54813	Accuracy:	specific area
UTM:	Zone-10 N4109186 E628981	Elevation (ft):	850
PLSS:	T09S, R04E, Sec. 29, SE (M)	Acres:	2.0

Location: COYOTE RESERVOIR ABOVE NE END OF DAM AND AT BASE OF CONCRETE SPILLWAY ALONG NORTH SIDE, EAST OF SAN MARTIN.

Detailed Location:

Ecological: STEEP OPEN ROCKY SW-FACING SLOPE AND EMBANKMENTS CUT DURING DAM CONSTRUCTION. WITH ARTEMISIA CALIFORNICA, TOXICODENDRON DIVERSILOBUM, STREPTANTHUS ALBIDUS PERAMOENUS, AND ACANTHOMINTHA LANCEOLATA.

General: 52 PLANTS OBSERVED IN 2007 IN 2 COLONIES.

Owner/Manager: SANTA CLARA VALLEY WATER DIST

Occurrence No.	58	Map Index: 79486	EO Index: 80469	Element Last Seen:	2009-04-22
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2009-04-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-07-28

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.11470 / -121.69869	Accuracy:	80 meters
UTM:	Zone-10 N4108389 E615613	Elevation (ft):	650
PLSS:	T09S, R02E, Sec. 25, SE (M)	Acres:	0.0

Location: ALONG CHESBRO LAKE DRIVE, 0.3 ROAD MILE EAST OF INTERSECTION WITH HAWKINS LANE, SOUTH OF CHESBRO RESERVOIR, MORGAN HILL.

Detailed Location: ON THE SOUTH SIDE OF THE ROAD.

Ecological: SERPENTINE ROCK OUTCROP.

General: APPROXIMATELY 150 PLANTS OBSERVED IN 2009.

Owner/Manager: PVT



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Occurrence No.	59	Map Index:	93107	EO Index:	94248	Element Last Seen:	2014-05-25
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2014-05-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-07-10	
Quad Summary:	Gilroy Hot Springs (3712114)						
County Summary:	Santa Clara						
Lat/Long:	37.07523 / -121.46225	Accuracy:	80 meters				
UTM:	Zone-10 N4104324 E636692	Elevation (ft):	865				
PLSS:	T10S, R05E, Sec. 07, SE (M)	Acres:	0.0				
Location:	HUNTING HOLLOW TRAIL EAST OF HUNTING HOLLOW PARKING LOT, HENRY W. COE STATE PARK.						
Detailed Location:	"ABOVE SECOND CREEK CROSSING." MAPPED BY CNDDDB ACCORDING TO COORDINATES FROM A 2014 KING OBSERVATION IN THE SW 1/4 OF THE SE 1/4 OF SECTION 7.						
Ecological:	SW-FACING SERPENTINE OUTCROP.						
General:	APPROXIMATELY 250 PLANTS OBSERVED IN 2014.						
Owner/Manager:	DPR-HENRY W COE SP						
Occurrence No.	68	Map Index:	A8416	EO Index:	110201	Element Last Seen:	2016-04-29
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2016-04-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-02-09	
Quad Summary:	Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.11783 / -121.70607	Accuracy:	specific area				
UTM:	Zone-10 N4108727 E614954	Elevation (ft):	719				
PLSS:	T09S, R02E, Sec. 25, SW (M)	Acres:	1.0				
Location:	WEST SIDE OF CHESBRO LAKE DRIVE, ABOUT 0.65 AIR MILE WNW OF CHESBRO DAM, SOUTHWEST SIDE OF CHESBRO RESERVOIR.						
Detailed Location:	MAPPED IN THE EAST 1/2 OF THE SW 1/4 OF SECTION 25.						
Ecological:	ON ROCK OUTCROP ON NORTHEAST FACING SLOPE. SERPENTINE GRASSLAND / WILDFLOWER FIELDS WITH SERPENTINE ROCK OUTCROP.						
General:	35 INDIVIDUALS OBSERVED IN 2016.						
Owner/Manager:	PVT						



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Occurrence No.	69	Map Index:	A8417	EO Index:	110204	Element Last Seen:	2016-06-01
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2016-06-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-02-09	
Quad Summary:	Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.09216 / -121.72164		Accuracy:	specific area			
UTM:	Zone-10 N4105860 E613608		Elevation (ft):	650			
PLSS:	T10S, R02E, Sec. 2 (M)		Acres:	7.0			
Location:	UVAS CREEK OPEN SPACE PRESERVE, ABOUT 2.5 AIR MILES NORTHWEST OF UVAS DAM.						
Detailed Location:	SCATTERED COLONIES ON HILL ABOUT 600 FEET WEST OF UVAS ROAD. 3 POLYGONS MAPPED ACCORDING TO 2016 SLAKEY DIGITAL DATA, NEAR THE CENTER OF SECTION 2.						
Ecological:	SEMI-BARREN SERPENTINE ROCK OUTCROPS WITHIN SERPENTINE CHAPARRAL. VARIABLE SLOPES AND ASPECTS. ASSOCIATED WITH PINUS SABINIANA, ARCTOSTAPHYLOS GLAUCA, LEPTOSIPHON AMBIGUUS, AND STREPTANTHUS ALBIDUS SSP. PERAMOENUS.						
General:	100 PLANTS OBSERVED IN 2015. ~247 PLANTS IN 7 COLONIES OBSERVED IN 2016.						
Owner/Manager:	SCL COUNTY OPEN SPACE						

Occurrence No.	70	Map Index:	A8420	EO Index:	110206	Element Last Seen:	2015-08-06
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2015-08-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-02-09	
Quad Summary:	Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.03016 / -121.63779		Accuracy:	specific area			
UTM:	Zone-10 N4099085 E621159		Elevation (ft):	395			
PLSS:	T10S, R03E, Sec. 27, SW (M)		Acres:	2.0			
Location:	NORTH OF BURCHELL ROAD, ABOUT 1 AIR MILE EAST OF WATSONVILLE ROAD, NORTHWEST OF GILROY.						
Detailed Location:	MAPPED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 27.						
Ecological:	SERPENTINE ROCK OUTCROP.						
General:	502 PLANTS OBSERVED IN 2015.						
Owner/Manager:	PVT						

Arctostaphylos andersonii		Element Code: PDER104030	
Anderson's manzanita			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCSC-UC Santa Cruz		
Habitat:	General: BROADLEAFED UPLAND FOREST, CHAPARRAL, NORTH COAST CONIFEROUS FOREST.		
	Micro: OPEN SITES, REDWOOD FOREST. 95-765 M.		



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Occurrence No.	1	Map Index: 26623	EO Index: 1374	Element Last Seen:	1989-06-25
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1989-06-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.01397 / -121.69577		Accuracy:	non-specific area	
UTM:	Zone-10 N4097217 E616026		Elevation (ft):		
PLSS:	T10S, R02E, Sec. 36, SE (M)		Acres:	65.0	
Location:	TIE CAMP TRAIL, MOUNT MADONNA PARK.				
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB ALONG TIE CAMP TRAIL.				
Ecological:	WITH ARCTOSTAPHYLOS CRUSTACEA AND NOT FAR FROM A. CANESCENS.				
General:	"A FEW" INDIVIDUALS SEEN IN 1989.				
Owner/Manager:	SCL COUNTY-MT MADONNA PARK				
Occurrence No.	26	Map Index: 63980	EO Index: 64075	Element Last Seen:	2015-09-03
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-09-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-06
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara, Santa Cruz				
Lat/Long:	37.02044 / -121.72511		Accuracy:	specific area	
UTM:	Zone-10 N4097900 E613406		Elevation (ft):	1850	
PLSS:	T10S, R02E, Sec. 35 (M)		Acres:	15.5	
Location:	ALONG SUMMIT ROAD, ABOUT 1 TO 1.6 AIR MILES NORTHWEST OF MOUNT MADONNA, ON SANTA CRUZ/SANTA CLARA COUNTY LINE.				
Detailed Location:	MANY COLONIES SCATTERED ALONG BOTH SIDES OF THE ROAD FROM 0.3 MI NORTHWEST OF MT MADONNA COUNTY PARK BOUNDARY TO ABOUT 1 MILE NORTHWEST. INCLUDES 2015 KRAMER PHOTOS FROM "SUMMIT RD, ~ 1/4 MILE N OF MT MADONNA RD."				
Ecological:	CHAPARRAL AND COASTAL SCRUB. FOUND WITH QUERCUS WISLIZENI, KNOBCONE PINE, BRITTLE LEAF MANZANITA, CHAMISE, CHAPARRAL PEA, AND COAST REDWOOD.				
General:	35+ PLANTS TOTAL IN 2004 FOR EOS 26 AND 27. SEEN IN 2015. A 1922 JEPSON COLLECTION FROM "HEAD OF LITTLE ARTHUR CREEK, MT MADONNA, 1850 FT ELEV" AND 1992 COLLINS COLLECTION FROM "SUMMIT RD, 1 MI N OF JCT OF MT/MADONNA RDS" ATTRIB HERE.				
Owner/Manager:	SCL COUNTY, PVT				



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Occurrence No.	27	Map Index: 63991	EO Index: 64086	Element Last Seen:	2016-03-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-03-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-06

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara, Santa Cruz

Lat/Long:	37.03137 / -121.74223	Accuracy:	specific area
UTM:	Zone-10 N4099091 E611867	Elevation (ft):	2081
PLSS:	T10S, R02E, Sec. 27, S (M)	Acres:	26.2

Location: ALONG SUMMIT ROAD, ABOUT 2 TO 3 AIR MILES NORTHWEST OF MOUNT MADONNA, ON SANTA CRUZ/SANTA CLARA COUNTY LINE.

Detailed Location: MANY COLONIES SCATTERED ALONG BOTH SIDES OF THE ROAD FROM 1.4 MI NORTHWEST OF MT MADONNA COUNTY PARK BOUNDARY TO ABOUT 2.6 MI NORTHWEST. WITHIN NE 1/4 OF SECTION 34, S 1/2 OF SECTION 27, AND NE 1/4 OF SECTION 28 (SOUTH OF SUMMIT ROAD).

Ecological: CHAPARRAL AND COASTAL SCRUB. FOUND WITH QUERCUS WISLIZENI, KNOBCONE PINE, BRITTLE LEAF MANZANITA, CHAMISE, CHAPARRAL PEA, COAST REDWOOD, ARBUTUS MENZIESII, AND NOTHOLITHOCARPUS DENSIFLORA.

General: IN 2004, 35+ PLANTS TOTAL SEEN FOR OCCS 26 AND 27 (COLONIES IN SEC 27), AND 30 PLANTS SEEN IN SEC 28. SEEN IN 2016. TWO 1965 GANKIN COLLECTIONS FOR "SUMMIT ROAD, 2 MI NORTH OF MT MADONNA COUNTY PARK" AND "2.6 MI NORTH" ATTRIBUTED HERE.

Owner/Manager: UNKNOWN

Occurrence No.	47	Map Index: 94954	EO Index: 96075	Element Last Seen:	1972-02-18
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1972-02-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-22

Quad Summary: Watsonville East (3612186)
County Summary: Santa Clara, Santa Cruz

Lat/Long:	36.99647 / -121.71569	Accuracy:	non-specific area
UTM:	Zone-10 N4095252 E614280	Elevation (ft):	1300
PLSS:	T11S, R02E, Sec. 11, NE (M)	Acres:	66.0

Location: HIGHWAY 152 AT HECKER PASS AND JUST EAST OF WEST ENTRANCE OF MT MADONNA COUNTY PARK.

Detailed Location: MAPPED AS BEST GUESS BY CNDDDB ALONG HWY 152 (HECKER PASS RD) AROUND HECKER PASS AND JCT W/ POLE LINE RD BASED ON COLLECTIONS FROM "TOWARD SUMMIT OF WATSONVILLE RD," "ALONG HWY 152, JUST E OF W ENTRANCE OF MT MADONNA PARK," & HECKER PASS.

Ecological:

General: SITE IS BASED ON A 1901 DUDLEY COLLECTION, 1959 GANKIN COLLECTION, AND A 1972 HOWE COLLECTION. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN



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Occurrence No.	48	Map Index: 94957	EO Index: 96078	Element Last Seen: 2004-05-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2004-05-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2015-01-22

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.01893 / -121.68514	Accuracy:	80 meters
UTM:	Zone-10 N4097781 E616964	Elevation (ft):	1100
PLSS:	T10S, R03E, Sec. 31, S (M)	Acres:	0.0

Location: RIDGETOP 1 AIR MILE NORTH OF SPRIG LAKE, ON FIRE ROAD ABOUT 0.3 MILE EAST OF BOUNDARY OF MOUNT MADONNA COUNTY PARK.
Detailed Location: MAPPED JUST SOUTH OF THE CENTER OF SECTION 31 ACCORDING TO 2004 TAYLOR COORDINATES.
Ecological: SHRUB DOMINATED SITE WITH A. TOMENTOSA SSP. CRINITA, A. CANESCENS SSP. CANESCENS, CEANOTHUS PAPILLOSUS, ERIODICTYON CALIFORNICUM, RHAMNUS CALIFORNICA, DENDROMECON RIGIDA, TOXICODENDRON DIVERSILOBUM, PINUS ATTENUATA ON WHITE SAND.
General: 10 PLANTS OBSERVED IN 2004.
Owner/Manager: PVT

Occurrence No.	49	Map Index: 94958	EO Index: 96080	Element Last Seen: 2017-12-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2017-12-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-08-07

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.0026 / -121.70831	Accuracy:	specific area
UTM:	Zone-10 N4095941 E614928	Elevation (ft):	1600
PLSS:	T11S, R02E, Sec. 1, SW (M)	Acres:	6.0

Location: HEADQUARTERS OF MOUNT MADONNA COUNTY PARK, ~0.65 AIR MILE SSW AND 0.8 AIR MILE SOUTH OF THE SUMMIT OF MOUNT MADONNA.
Detailed Location: 3 POLYGONS MAPPED BY CNDDDB. NW POLYGON IS BASED ON 2004 TAYLOR COORDINATES, 2 SE POLYGONS ARE BASED ON 2017 O'DELL COORDINATES.
Ecological:
General: NW POLYGON IS BASED ON COORDINATES/MAP PROVIDED ON A 2004 SURVEY FORM FOR OCCURRENCE #48; UNCLEAR IF THIS OBSERVATION IS ALSO FROM 2004 SITE VISIT, OR A PREVIOUS SITE VISIT. 20+ PLANTS SEEN IN 2 SE POLYGONS IN 2017.
Owner/Manager: SCL COUNTY-MT MADONNA PARK

Arctostaphylos hookeri ssp. hookeri		Element Code: PDERI040J1
Hooker's manzanita		
Listing Status:	Federal: None	CNDDDB Element Ranks: Global: G3T2
	State: None	State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive	
Habitat:	General: CHAPARRAL, COASTAL SCRUB, CLOSED-CONE CONIFEROUS FOREST, CISMONTANE WOODLAND.	
	Micro: SANDY SOILS, SANDY SHALES, SANDSTONE OUTCROPS. 30-550 M.	



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Occurrence No.	19	Map Index: 67836	EO Index: 66307	Element Last Seen:	2001-06-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-06-04

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.85396 / -121.73960	Accuracy:	1/5 mile
UTM:	Zone-10 N4079413 E612361	Elevation (ft):	150
PLSS:	T12S, R02E, Sec. 27, SW (M)	Acres:	0.0

Location: ON RIDGE (NORTH) OF BLOHM RANCH, 0.8 AIR MILE SOUTH OF LAS LOMAS.

Detailed Location: BLOHM RANCH IS LOCATED AT 695 ELKHORN ROAD, S OF INTERSECTION OF ELKHORN RD AND HALL RD. MAPPED ON RIDGE AT N SIDE OF BLOHM RANCH, ACCORDING TO MAP PROVIDED BY HOLTE.

Ecological: MARITIME CHAPARRAL. ARCTOSTAPHYLOS DOMINANT. OTHER RARE SPECIES INCLUDE CHORIZANTHE PUNGENS VAR. PUNGENS, ERICAMERIA FASCICULATA, A. PAJAROENSIS, PIPERIA YADONII, AND CEANOTHUS CUNEATUS VAR. RIGIDUS.

General: LISTED AS AN ASSOCIATE DURING A SURVEY FOR CHORIZANTHE PUNGENS VAR. PUNGENS. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001.

Owner/Manager: TNC-ELKHORN SLOUGH RES, ESF

Occurrence No.	20	Map Index: 28457	EO Index: 66310	Element Last Seen:	1973-05-22
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1973-05-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-01-17

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.82357 / -121.70386	Accuracy:	non-specific area
UTM:	Zone-10 N4076084 E615594	Elevation (ft):	500
PLSS:	T13S, R02E, Sec. 12 (M)	Acres:	984.3

Location: RIDGE BETWEEN LONG CANYON AND STRAWBERRY CANYON, ABOUT 5 MILES SW OF AROMAS.

Detailed Location: EXACT LOCATION AND EXTENT OF POPULATION UNKNOWN. MAPPED ACCORDING TO BOUNDARIES OF PROPOSED MARITIME CHAPARRAL PRESERVE WHICH LISTS A. HOOKERI AS AN ASSOCIATE.

Ecological: ROCKY AND SANDY SOILS OF SANDSTONE AREA. CENTRAL MARITIME CHAPARRAL DOMINATED BY A. PAJAROENSIS, A. HOOKERI, AND CEANOTHUS RIGIDUS.

General: SEVERAL OLD COLLECTIONS FROM "LONG CANYON" AND "SANDY HILLS E OF ELKHORN" ALSO ATTRIBUTED TO THIS OCCURRENCE.

Owner/Manager: UNKNOWN



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Occurrence No.	21	Map Index: 28460	EO Index: 66312	Element Last Seen:	2010-07-29
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2010-07-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-01-13
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.79872 / -121.67945		Accuracy:	non-specific area	
UTM:	Zone-10 N4073358 E617808		Elevation (ft):	300	
PLSS:	T13S, R03E, Sec. 18 (M)		Acres:	462.3	
Location:	MANZANITA REGIONAL PARK, NNW OF PRUNEDALE.				
Detailed Location:	MAPPED AS BEST GUESS BY CNDDDB AROUND THE ENTIRE MANZANITA REGIONAL PARK. ACCORDING TO A 2007 OBSERVATION, PART OF SITE IS ALSO ON ADJACENT PRIVATE PROPERTY.				
Ecological:	MARITIME CHAPARRAL WITH ARCTOSTAPHYLOS CRUSTACEA SSP. CRUSTACEA, A. PAJAROENSIS, CEANOTHUS DENTATUS, CONIUM MACULATUM, ERODIUM MOSCHATUM, OXALIS PILOSA, AND RUBUS URSINUS. THE RARE PIPERIA YADONII IS ALSO AT THIS SITE.				
General:	OBSERVED JUST OUTSIDE OF PARK BOUNDARY ON PRIVATE PROPERTY IN 2007. WIDESPREAD WITHIN PARK IN 2008. OBSERVED AT NE END OF PARK IN 2010. COLLECTIONS FROM "PRUNEDALE" AND "SAND HILLS WEST OF PRUNEDALE" ALSO ATTRIBUTED HERE. NEED MAP DETAIL.				
Owner/Manager:	MNT COUNTY, PVT				
Occurrence No.	25	Map Index: A3337	EO Index: 104969	Element Last Seen:	2008-06-26
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2008-06-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-01-11
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.79851 / -121.63799		Accuracy:	specific area	
UTM:	Zone-10 N4073386 E621508		Elevation (ft):	490	
PLSS:	T13S, R03E, Sec. 16, SE (M)		Acres:	1.0	
Location:	19260 REAVIS WAY, OFF THE SOUTH SIDE OF VIERRA CANYON ROAD, PRUNEDALE.				
Detailed Location:	MAPPED ACCORDING TO A 2008 FERREIRA MAP SHOWING THE LOCATION OF PIPERIA YADONII WITH ARCTOSTAPHYLOS HOOKERI MENTIONED AS AN ASSOCIATE.				
Ecological:	MARITIME CHAPARRAL. ASSOCIATES IN IMMEDIATE AREA INCLUDE PIPERIA YADONII AND ADENOSTOMA FASCICULATUM. MOST OF THE PARCEL IS DOMINATED BY ARCTOSTAPHYLOS PAJAROENSIS.				
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2008. EXTENT OF THIS SPECIES ON PARCEL IS UNKNOWN; PIPERIA YADONII MENTIONED AS GROWING UNDER ARCTOSTAPHYLOS HOOKERI AT THIS SITE.				
Owner/Manager:	PVT				



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Occurrence No.:	26	Map Index:	99226	EO Index:	104970	Element Last Seen:	2008-05-17
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2017-01-11
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.84381 / -121.71341	Accuracy:	non-specific area
UTM:	Zone-10 N4078319 E614712	Elevation (ft):	385
PLSS:	T12S, R02E, Sec. 35, SE (M)	Acres:	39.0

Location: SALA PROPERTY, ELKHORN SLOUGH FOUNDATION.
Detailed Location: EXACT LOCATION UNKNOWN, MAPPED AS BEST GUESS BY CNDDDB AROUND PRESUMED LOCATION OF SALA PROPERTY.
Ecological: ARCTOSTAPHYLOS PAJAROENSIS ALSO AT THIS SITE.
General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2008. POPULATION INFORMATION AND MAP DETAIL IS NEEDED FOR THIS SITE.
Owner/Manager: ELKHORN SLOUGH FOUNDATION

Arctostaphylos pajaroensis **Element Code:** PDERI04100
Pajaro manzanita

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G1
	State: None		State: S1
	Other: Rare Plant Rank - 1B.1, BLM_S-Sensitive		
Habitat:	General: CHAPARRAL.		
	Micro: SANDY SOILS. 30-170 M.		

Occurrence No.:	1	Map Index:	67882	EO Index:	29653	Element Last Seen:	2001-04-22
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2016-02-16
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.78401 / -121.63694	Accuracy:	specific area
UTM:	Zone-10 N4071779 E621624	Elevation (ft):	200
PLSS:	T13S, R03E, Sec. 21, SE (M)	Acres:	3.0

Location: NORTH SIDE OF PESANTE CANYON ROAD, BETWEEN HOLLY HILL DRIVE AND WOODLAND HEIGHTS PLACE, PRUNEDALE.
Detailed Location: MAPPED BY CNDDDB ACCORDING TO 2001 MAP AND COORDINATES FOR CHORIZANTHE PUNGENS VAR. PUNGENS WHERE ARCTOSTAPHYLOS IS LISTED AS AN ASSOCIATE.
Ecological: SANDY SOILS AT EDGES AND OPENINGS OF COASTAL SAGE SCRUB OR MIXED MARITIME CHAPARRAL/COAST LIVE OAK WOODLAND. RARE SPECIES INCLUDE CHORIZANTHE PUNGENS VAR. PUNGENS, CEANOTHUS CUNEATUS RIGIDUS, AND ERICAMERIA FASCICULATA.
General: UNKNOWN NUMBER OF PLANTS SEEN DURING A 2001 SURVEY FOR CHORIZANTHE PUNGENS VAR. PUNGENS. A 1959 GANKIN COLLECTION FROM "0.5 MI FROM PESANTE ROAD ON HOLLY HILL DR" IS ALSO ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.
Owner/Manager: PVT



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Occurrence No.	3	Map Index: 28463	EO Index: 29654	Element Last Seen:	1938-10-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1938-10-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-02-23
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.76913 / -121.68185		Accuracy:	1 mile	
UTM:	Zone-10 N4070072 E617641		Elevation (ft):	200	
PLSS:	T13S, R03E, Sec. 30 (M)		Acres:	1987.0	
Location:	1 MILE SOUTHWEST OF PRUNEDALE.				
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB AS A BEST GUES. SITE IS BASED ON HISTORIC COLLECTIONS FROM "1 MI SW OF PRUNEDALE" AND "1 MI SSW OF PRUNEDALE" AT ELEVATIONS OF 175 AND 200 FT.				
Ecological:	GROWING ON ROUGH BANK IN CHAPARRAL IN ASSOCIATION WITH ARCTOSTAPHYLOS CRUSTACEA. SUBSTRATE IS SANDSTONE.				
General:	SITE IS BASED ON 1936 BELSHAW COLLECTIONS AND A 1938 SCHREIBER COLLECTION. THOUGH MOST OF HABITAT IN AREA HAS BEEN ALTERED, SOME POCKETS OF HABITAT REMAIN BASED ON AERIAL IMAGERY. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				
Occurrence No.	4	Map Index: 28460	EO Index: 29651	Element Last Seen:	2016-09-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-09-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-01-09
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.79872 / -121.67945		Accuracy:	non-specific area	
UTM:	Zone-10 N4073358 E617808		Elevation (ft):	300	
PLSS:	T13S, R03E, Sec. 18 (M)		Acres:	462.3	
Location:	MANZANITA COUNTY PARK, JUST NORTHWEST OF INTERSECTION OF HIGHWAYS 101 AND 156; PRUNEDALE.				
Detailed Location:	EXACT LOCATION UNKNOWN; MAPPED BY CNDDDB AROUND PERIMETER OF MANZANITA PARK. THERE ARE SPECIFIC OBSERVATIONS FROM N EDGE AND E PORTION OF PARK, THOUGH THE ABUNDANCE OF SOURCES INDICATE THAT IT MAY OCCUR THROUGHOUT PARK. HYBRIDS ALSO IN AREA.				
Ecological:	GROWING IN SANDY SOIL, IN CHAPARRAL AND COASTAL SCRUB WITH ARCTOSTAPHYLOS HOOKERI, A. CRUSTACEA, BACCHARIS, CEANOTHUS DENTATUS, C. FOLIOSUS, C. THYRSIFLORUS, PICKERINGIA MONTANA, HETEROMELES ARBUTIFOLIA, AND QUERCUS AGRIFOLIA.				
General:	TYPE LOCALITY. MOST RECENTLY SEEN IN 2016, POP SIZE UNKNOWN. NUMEROUS COLL/OBS ATTRIBUTED HERE FROM 1934-2008, INCLUDING HISTORIC COLLECTIONS FROM "WEST PRUNEDALE," "SAND HILLS W OF PRUNEDALE," "END OF MCGUFFIE ST," ETC. NEEDS FIELDWORK.				
Owner/Manager:	SCR COUNTY-MANZANITA CP				



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Occurrence No.	5	Map Index: 28458	EO Index: 8925	Element Last Seen:	2017-06-28
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-06-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-01-10

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.80687 / -121.68877	Accuracy:	specific area
UTM:	Zone-10 N4074250 E616965	Elevation (ft):	300
PLSS:	T13S, R03E, Sec. 18, NW (M)	Acres:	68.0

Location: ELKHORN HIGHLANDS RESERVE, NW OF PRUNEDALE.

Detailed Location: MAPPED AS 6 POLYGONS ACCORDING TO 2017 ENDRIS DIGITAL DATA.

Ecological: DENSE MARITIME CHAPARRAL. ARCTOSTAPHYLOS HOOKERI VAR. HOOKERI DOMINANT ON RIDGE AND MIXED WITH A. PAJAROENSIS WHICH IS DOMINANT ON LOWER SLOPES AND OCCURS DOWN TO EDGES OF QUERCUS AGRIFOLIA WOODLAND/NON-NATIVE ANNUAL GRASSLAND.

General: 1000+ PLANTS OBSERVED IN 2017. 1936 AXELROD COLLECTIONS FROM "1 MILE NE OF ELKHORN SCHOOL" AND "1 1/4 MILE NE OF ELKHORN SCHOOL" ARE ALSO ATTRIBUTED TO THIS SITE.

Owner/Manager: STATE

Occurrence No.	6	Map Index: 28459	EO Index: 5011	Element Last Seen:	1999-08-04
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1999-08-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-02-10

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.81283 / -121.66704	Accuracy:	specific area
UTM:	Zone-10 N4074938 E618894	Elevation (ft):	300
PLSS:	T13S, R03E, Sec. 08, SW (M)	Acres:	33.2

Location: NORTH RIM OF LANGLEY CANYON, JUST SOUTH OF NORTHWOOD PLACE, ABOUT 0.4 MI EAST OF SAN MIGUEL CANYON RD; PRUNEDALE.

Detailed Location: 26 ACRE LOT. MAPPED BASED ON 1999 MAP PROVIDED BY KJELDSSEN. ELEVATION ON FIELD SURVEY FORM GIVEN AS 300 FEET BUT SITE APPEARS TO BE CLOSER TO 400 FEET BASED ON MAP.

Ecological: A. PAJAROENSIS IS THE DOMINANT SPECIES OF THE CHAPARRAL/DISTURBED QUERCUS AGRIFOLIA WOODLAND COMMUNITY.

General: "MANY" INDIVIDUALS OBSERVED IN 1999.

Owner/Manager: PVT



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Occurrence No.	7	Map Index: 99175	EO Index: 12293	Element Last Seen: 2001-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2001-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-01-10
Quad Summary:	Prunedale (3612176)			
County Summary:	Monterey			
Lat/Long:	36.82782 / -121.68469		Accuracy: 3/5 mile	
UTM:	Zone-10 N4076579 E617298		Elevation (ft):	
PLSS:	T13S, R03E, Sec. 6 (M)		Acres: 776.0	
Location:	RIDGE BETWEEN UPPER LONG CANYON AND STRAWBERRY CANYON, WEST OF SAN MIGUEL CANYON ROAD.			
Detailed Location:	EXACT LOCATIONS UNKNOWN. MAPPED BY CNDDDB TO ENCOMPASS COLLECTIONS FROM "STRAWBERRY CYN RD, 0.5 MI SW OF JCT W/ SAN MIGUEL CYN RD," "RIDGE BETW LONG & STRAWBERRY CYNS," A 2001 MAP FROM LONG CANYON (A. PAJAROENSIS GIVEN AS AN ASSOCIATE), ETC.			
Ecological:	CENTRAL MARITIME CHAPARRAL DOMINATED BY ARCTOSTAPHYLOS PAJAROENSIS, A. HOOKERI, AND CEANOTHUS RIGIDUS.			
General:	GRIGGS REPORTS "GOOD STANDS OF ARCTOSTAPHYLOS PAJARONSIS" IN LONG VALLEY (1980). SITE IS BASED ON COLLECTIONS FROM 1959, 1963, 1971, 1973, AND 1985 AS WELL AS A 2001 SURVEY FOR CHORIZANTHE PUNGENS VAR. PUNGENS.			
Owner/Manager:	ELKHORN SLOUGH FOUNDATION, UNK			
Occurrence No.	8	Map Index: 28456	EO Index: 26893	Element Last Seen: 1966-10-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1966-10-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-02-11
Quad Summary:	Prunedale (3612176)			
County Summary:	Monterey			
Lat/Long:	36.84064 / -121.6613		Accuracy: 2/5 mile	
UTM:	Zone-10 N4078030 E619364		Elevation (ft):	
PLSS:	T12S, R03E, Sec. 32 (M)		Acres: 280.0	
Location:	ON THE HILL TO THE EAST IN ROYAL OAKS PARK BEYOND PRUNEDALE.			
Detailed Location:	EXACT LOCATION UNKNOWN. COLLECTION LOCALITY INDICATES THAT PLANTS WERE FOUND INSIDE THE PARK, THOUGH THERE ARE SEVERAL SMALL HILLTOPS TO THE E JUST OUTSIDE PARK BOUNDARY. MAPPED BY CNDDDB AROUND E END OF PARK AND AREAS JUST OUTSIDE OF PARK.			
Ecological:	DRY, SANDY, OPEN PLACE.			
General:	SITE IS BASED ON 1966 HOWITT COLLECTIONS. NEEDS FIELDWORK.			
Owner/Manager:	MNT COUNTY-ROYAL OAKS PARK?			



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Occurrence No.	14	Map Index: 63158	EO Index: 63250	Element Last Seen: 1962-02-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1962-02-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-02-12

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.81315 / -121.64342	Accuracy:	non-specific area
UTM:	Zone-10 N4075003 E621001	Elevation (ft):	
PLSS:	T13S, R03E, Sec. 09, SE (M)	Acres:	51.0

Location: ALONG MORO ROAD, 0.3 AND 0.4 MILE WEST OF JUNCTION OF THIS ROAD AND HIGHWAY 101, VICINITY NORTH OF PRUNEDALE.

Detailed Location: MAPPED AS BEST GUESS BY CNDDDB ALONG MORO ROAD JUST WEST OF ITS JUNCTION WITH HIGHWAY 101.

Ecological: IN SANDY SOIL, ASSOCIATED WITH QUERCUS AGRIFOLIA, SALVIA MELLIFERA, AND RHUS DIVERSILOBA.

General: MAIN SOURCES OF INFORMATION FOR THIS SITE ARE 1959 GANKIN COLLECTIONS. A 1962 GANKIN COLLECTION FROM "MORO RD, PRUNEDALE" IS ALSO ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No.	15	Map Index: 59012	EO Index: 63253	Element Last Seen: 2007-02-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2007-02-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-01-09

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.78263 / -121.65918	Accuracy:	specific area
UTM:	Zone-10 N4071598 E619642	Elevation (ft):	260
PLSS:	T13S, R03E, Sec. 20 (M)	Acres:	18.0

Location: BETWEEN BERTA CANYON AND PESANTE CANYON, APPROX 0.5 MI E OF HIGHWAY 101; PRUNEDALE.

Detailed Location: SEVERAL COLONIES MAPPED ALONG EAST-WEST TENDING RIDGES BASED ON MAPS AND COORDINATES PROVIDED FOR PIPERIA YADONII WHERE ARCTOSTAPHYLOS PAJAROENSIS IS LISTED AS AN ASSOCIATE.

Ecological: MARITIME CHAPARRAL ON SANDSTONE OUTCROPPINGS ON RIDGELINES; S-FACING. A. PAJAROENSIS IS DOMINANT. OTHER RARE SPP: A. HOOKERI (SSP UNKNOWN), CEANOTHUS RIGIDUS, ERICAMERIA FASCICULATA, LOMATIUM PARVIFOLIUM, PIPERIA MICHAELII.

General: UNKNOWN NUMBER OF PLANTS SEEN IN VICINITY IN 2002, 2004, 2005, AND 2007; ARCTOSTAPHYLOS OBSERVED DURING SURVEYS FOR PIPERIA YADONII. MORE FIELDWORK IS NEEDED TO DETERMINE EXTENT OF ARCTOSTAPHYLOS PAJAROENSIS IN THIS AREA.

Owner/Manager: PVT-PGE



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Occurrence No.	17	Map Index: A8013	EO Index: 63259	Element Last Seen:	1994-01-01
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1994-01-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-01-09
Quad Summary:	Watsonville East (3612186)				
County Summary:	Monterey				
Lat/Long:	36.88527 / -121.72154		Accuracy:	specific area	
UTM:	Zone-10 N4082908 E613926		Elevation (ft):	295	
PLSS:	T12S, R02E, Sec. 14, SW (M)		Acres:	18.0	
Location:	NORTH SIDE OF RIDGECREST ROAD, SOUTH OF VEGA ROAD, SOUTHEAST OF WATSONVILLE.				
Detailed Location:	MAPPED ACCORDING TO 1994 ELLIS MAP.				
Ecological:	SANDSTONE RIDGETOP.				
General:	APPROXIMATELY 20 PLANTS OBSERVED IN 1994.				
Owner/Manager:	UNKNOWN				
Occurrence No.	20	Map Index: 67836	EO Index: 70243	Element Last Seen:	2001-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-02-16
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.85396 / -121.73960		Accuracy:	1/5 mile	
UTM:	Zone-10 N4079413 E612361		Elevation (ft):		
PLSS:	T12S, R02E, Sec. 27, SW (M)		Acres:	0.0	
Location:	ON RIDGE NORTH OF BLOHM RANCH, 0.8 MILE SOUTH OF LAS LOMAS.				
Detailed Location:	MAPPED IN GENERAL VICINITY OF RIDGE INDICATED ON A MAP FOR CHORIZANTHE PUNGENS VAR. PUNGENS, PAJARO MANZANITA LISTED AS AN ASSOCIATED SPECIES.				
Ecological:	MARITIME CHAPARRAL IN OPEN AREAS THROUGHOUT RIDGE IN SANDY SOILS. ARCTOSTAPHYLOS DOMINANT. RARE SPP INCLUDE CHORIZANTHE PUNGENS VAR PUNGENS, ERICAMERIA FASCICULATA, A. HOOKERI SSP. HOOKERI, PIPERIA YADONII, CEANOTHUS CUNEATUS VAR RIDGIDUS.				
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001. A 1991 MORGAN COLLECTION FROM BLOHM RANCH IS ALSO ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.				
Owner/Manager:	TNC-ELKHORN SLOUGH RES, ESF				



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Occurrence No.	22	Map Index: 99222	EO Index: 100752	Element Last Seen: 1981-04-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1981-04-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-02-16

Quad Summary: Hollister (3612174)

County Summary: San Benito

Lat/Long:	36.774 / -121.4504	Accuracy:	4/5 mile
UTM:	Zone-10 N4070922 E638289	Elevation (ft):	
PLSS:	T13S, R05E, Sec. 29 (M)	Acres:	1312.0

Location: HOLLISTER HILLS STATE PARK ABOUT 2 MILES UP ORCHID RUN ROAD.

Detailed Location: EXACT LOCATION UNKNOWN, UNABLE TO LOCATE "ORCHID RUN ROAD." POSSIBLY REFERENCING "OLIVE ORCHARD RETURN" TRAIL, MAPPED AS BEST GUESS BY CNDDDB IN THIS GENERAL VICINITY.

Ecological: CHAPARRAL, DRY SOIL.

General: SITE IS BASED ON 1981 BOONE COLLECTION. ID OF THIS COLLECTION NEEDS VERIFICATION; DESCRIBES THIS AS A "COMMON, WEEDY PLANT" WHICH SEEMS UNLIKELY FOR THIS SPECIES, AND THIS FLOWERING SPECIMEN COLLECTED AFTER THE KNOWN BLOOM PERIOD (DEC-MAR).

Owner/Manager: DPR-HOLLISTER HILLS SVRA

Occurrence No.	23	Map Index: 99226	EO Index: 100754	Element Last Seen: 2008-05-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2008-05-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-02-16

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.84381 / -121.71341	Accuracy:	non-specific area
UTM:	Zone-10 N4078319 E614712	Elevation (ft):	385
PLSS:	T12S, R02E, Sec. 35, SE (M)	Acres:	39.0

Location: SALA PROPERTY, ELKHORN SLOUGH FOUNDATION.

Detailed Location: EXACT LOCATION UNKNOWN, MAPPED AS BEST GUESS BY CNDDDB AROUND PRESUMED LOCATION OF SALA PROPERTY.

Ecological:

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2008. POPULATION INFORMATION AND MAP DETAIL IS NEEDED FOR THIS SITE.

Owner/Manager: ELKHORN SLOUGH FOUNDATION



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Occurrence No.	24	Map Index: 99227	EO Index: 100755	Element Last Seen: 2001-05-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2001-05-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-01-09

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.82157 / -121.63457	Accuracy:	specific area
UTM:	Zone-10 N4075949 E621777	Elevation (ft):	500
PLSS:	T13S, R03E, Sec. 10, NW (M)	Acres:	37.0

Location: BOTH SIDES OF HIGHWAY 101 AT INTERSECTION WITH ECHO VALLEY ROAD AND CRAZY HORSE ROAD, NORTHEAST OF PRUNEDALE.

Detailed Location: 2 POLYGONS MAPPED MOSTLY WITHIN THE NW 1/4 OF SECTION 10 ACCORDING TO A 2001 ROBISON MAP. COLLECTIONS FROM "END OF EXECUTIVE DR, N SIDE OF CRAZY HORSE CYN RD" & "ECHO VALLEY ROAD ~1/2 MILE W OF US 101" ALSO ATTRIBUTED HERE.

Ecological: ON TOP OF MESA AS MAJOR COMPONENT OF MARITIME CHAPARRAL IN AREA. INTERSPERSED WITH COAST LIVE OAK WOODLAND AND EXTENSIVE STANDS OF TOXICODENDRON DIVERSILOBUM. RARE SPECIES NEARBY: CHORIZANTHE PUNGENS VAR. PUNGENS, CEANOETHUS RIGIDUS, ETC.

General: 20 PLANTS SCATTERED IN WESTERN POLYGON AND 10 PLANTS IN EASTERN POLYGON IN 2001; SITE ALSO SURVEYED IN 2002 AND 2004, UNCLEAR IF PLANTS ALSO OBSERVED ON THOSE DATES. 1962-1996 COLLECTIONS ALSO ATTRIBUTED HERE.

Owner/Manager: PVT

Occurrence No.	25	Map Index: 99228	EO Index: 100756	Element Last Seen: 2008-06-26
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2008-06-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-01-09

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.79858 / -121.63755	Accuracy:	non-specific area
UTM:	Zone-10 N4073394 E621548	Elevation (ft):	
PLSS:	T13S, R03E, Sec. 16 (M)	Acres:	354.0

Location: VICINITY OF REAVIS WAY AND ON RIDGE JUST SOUTH OF MALLORY CANYON ROAD, NE PRUNEDALE.

Detailed Location: MAPPED BY CNDDB AS 3 POLYGONS: MIDDLE POLYGON MAPPED TO ENCOMPASS GIVEN PARCEL, THOUGH POPULATION LIKELY EXTENDS BEYOND PARCEL BOUNDARIES; NE AND SW POLYGONS BASED ON COLLECTIONS FOR ERICAMERIA WITH A. PAJAROENSIS MENTIONED AS ASSOCIATE.

Ecological: MARITIME CHAPARRAL. MIDDLE POLYGON: MOST OF THE PARCEL IS DOMINATED BY ARCTOSTAPHYLOS PAJAROENSIS; ASSOCIATED WITH PIPERIA YADONII, ARCTOSTAPHYLOS HOOKERI, AND ADENOSTOMA FASCICULATUM.

General: NE POLYGON BASED ON A 1990 MORGAN COLLECTION. SW POLYGON BASED ON 1985 MARTZ COLLECTIONS. MIDDLE POLYGON: UNKNOWN NUMBER OF PLANTS SEEN IN 2008, THOUGH A. PAJAROENSIS REPORTED AS DOMINANT SPECIES FOR MOST OF THIS 5.1 ACRE PARCEL.

Owner/Manager: PVT



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Occurrence No.	26	Map Index: 99229	EO Index: 100757	Element Last Seen: 1993-09-07
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1993-09-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-02-16
Quad Summary:	Watsonville East (3612186)			
County Summary:	Monterey			
Lat/Long:	36.88066 / -121.69908		Accuracy: 1/5 mile	
UTM:	Zone-10 N4082423 E615934		Elevation (ft): 360	
PLSS:	T12S, R02E, Sec. 24, N (M)		Acres: 70.0	
Location:	AROUND LEWIS ROAD DISPOSAL SITE, SOUTHEAST OF PAJARO, PAJARO HILLS.			
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB AROUND LEWIS ROAD LANDFILL.			
Ecological:	CHAPARRAL.			
General:	SITE IS BASED ON 1993 KEELEY COLLECTIONS. NEEDS FIELDWORK.			
Owner/Manager:	UNKNOWN			
Occurrence No.	29	Map Index: A8034	EO Index: 109825	Element Last Seen: 2017-05-12
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 2017-05-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-01-10
Quad Summary:	Prunedale (3612176)			
County Summary:	Monterey			
Lat/Long:	36.8307 / -121.63846		Accuracy: specific area	
UTM:	Zone-10 N4076957 E621416		Elevation (ft): 550	
PLSS:	T13S, R03E, Sec. 4, SE (M)		Acres: 1.0	
Location:	NORTH SIDE OF ECHO VALLEY ROAD, ABOUT 5.6 AIR MILES WEST OF SAN JUAN BAUTISTA.			
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO 2017 KRAMER COORDINATES, IN THE NE 1/4 OF THE SE 1/4 OF SECTION 4.			
Ecological:	OPENING IN QUERCUS AGRIFOLIA WOODLAND, GENTLE SW SLOPE, LOAMY SAND SOILS. ASSOCIATED WITH DANTHONIA CALIFORNICA, CROCANTHEMUM SCOPARIUM, HORKELIA CUNEATA VAR. SERICEA, NAVARRETIA HAMATA, FESTUCA MYUROS, MADIA EXIGUA, ETC.			
General:	IN 2017, NE POLYGON HAD 3 PLANTS AND SW POLYGON HAD 1 PLANT. A 2011 KELCH COLLECTION FROM "ECHO VALLEY ROAD, 1.8 KM WEST OF HIGHWAY 101" IS ALSO ATTRIBUTED TO THIS SITE.			
Owner/Manager:	UNKNOWN			



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Occurrence No.	30	Map Index: A6982	EO Index: 109826	Element Last Seen:	2003-09-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-09-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-01-10
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82329 / -121.70791		Accuracy:	80 meters	
UTM:	Zone-10 N4076048 E615233		Elevation (ft):	400	
PLSS:	T13S, R02E, Sec. 12, NW (M)		Acres:	5.0	
Location:	RIDGE DIVIDING LONG CANYON FROM STRAWBERRY CANYON, GROWING UNDER PG&E HIGH VOLTAGE TRANSMISSION LINE.				
Detailed Location:	MAPPED ACCORDING TO 2003 TAYLOR COORDINATES FOR AN ERICAMERIA FASCICULATA COLLECTION WITH ARCTOSTAPHYLOS PAJAROENSIS MENTIONED AS AN ASSOCIATE. IN THE NW 1/4 OF THE NW 1/4 OF SECTION 12.				
Ecological:	MARITIME CHAPARRAL, ON SANDY SUBSTRATE WITH ERICAMERIA FASCICULATA, ARCTOSTAPHYLOS TOMENTOSA, A. HOOKERI, AND CEANOETHUS RIGIDUS.				
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2003 TAYLOR COLLECTION FOR ERICAMERIA FASCICULATA WITH ARCTOSTAPHYLOS PAJAROENSIS MENTIONED AS AN ASSOCIATE.				
Owner/Manager:	UNKNOWN				
Occurrence No.	31	Map Index: A8035	EO Index: 109827	Element Last Seen:	1994-01-01
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1994-01-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-01-10
Quad Summary:	Watsonville East (3612186)				
County Summary:	Monterey				
Lat/Long:	36.89361 / -121.71755		Accuracy:	specific area	
UTM:	Zone-10 N4083838 E614269		Elevation (ft):	280	
PLSS:	T12S, R02E, Sec. 14, N (M)		Acres:	20.0	
Location:	RIDGE JUST WEST OF END OF EAGLE HILL ROAD, NORTH SIDE OF VEGA ROAD, SE OF WATSONVILLE.				
Detailed Location:	MAPPED ACCORDING TO 1994 ELLIS MAP.				
Ecological:	SANDSTONE RIDGE.				
General:	APPROXIMATELY 20 PLANTS OBSERVED IN 1994.				
Owner/Manager:	PVT				



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<i>Astragalus tener var. tener</i>		Element Code: PDFAB0F8R1	
alkali milk-vetch			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2T1
	State: None		State: S1
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.		
	Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 0-170 M.		

Occurrence No.	2	Map Index:	24659	EO Index:	594	Element Last Seen:	1897-04-14
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:		1897-04-14	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2011-02-22	

Quad Summary: Hollister (3612174)
County Summary: San Benito

Lat/Long:	36.84822 / -121.40233	Accuracy:	1 mile
UTM:	Zone-10 N4079226 E642441	Elevation (ft):	290
PLSS:	T12S, R05E, Sec. 34 (M)	Acres:	0.0

Location: HOLLISTER.
Detailed Location:
Ecological:
General: ONLY SOURCE OF INFORMATION IS 1897 COLLECTION BY W. SETCHELL. WITHAM REVIEWED MAPS AND SPOT IMAGERY FOR THIS VICINITY IN 2002 & FOUND AREA COMPLETELY URBANIZED. PROBABLY EXTIRPATED.
Owner/Manager: UNKNOWN

<i>Trifolium hydrophilum</i>		Element Code: PDFAB400R5	
saline clover			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: MARSHES AND SWAMPS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.		
	Micro: MESIC, ALKALINE SITES. 1-335 M.		



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Occurrence No.	5	Map Index: 49390	EO Index: 49390	Element Last Seen:	1995-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1995-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-08-17
Quad Summary:	Chittenden (3612185)				
County Summary:	San Benito, Santa Clara				
Lat/Long:	36.95221 / -121.50910		Accuracy:	2/5 mile	
UTM:	Zone-10 N4090609 E632741		Elevation (ft):		
PLSS:	T11S, R04E, Sec. 27, E (M)		Acres:	0.0	
Location:	OFF HIGHWAY 25 BETWEEN MILLER CANAL AND THE PAJARO RIVER, SAN BENITO COUNTY ON SANTA CLARA COUNTY LINE.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ON THE NORTH SIDE OF HIGHWAY 25 IN VICINITY OF THE CONFLUENCE OF MILLERS CANAL WITH THE PAJARO RIVER.				
Ecological:					
General:	MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1995 MORGAN OBSERVATION. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				
Occurrence No.	19	Map Index: 98719	EO Index: 60345	Element Last Seen:	2006-05-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2006-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-04-17
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Cruz				
Lat/Long:	36.90766 / -121.60417		Accuracy:	2/5 mile	
UTM:	Zone-10 N4085538 E624349		Elevation (ft):	200	
PLSS:	T12S, R03E, Sec. 11, NE (M)		Acres:	280.0	
Location:	SODA LAKE AND IN VALLEY TO THE EAST OF SODA LAKE.				
Detailed Location:	MAPPED AS BEST GUESS BY CNDDDB AROUND SODA LAKE AND OPEN AREA JUST TO THE EAST. BASED ON AN OBSERVATION FROM SODA LAKE AND A COLLECTION FROM "VALLEY EAST OF SODA LAKE."				
Ecological:	IN A WET ALKALI GRASSLAND.				
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2004. PLANTS NOTED AS "ABUNDANT" IN 2006. MINING COMPANY IS EXPANDING AND HAS PROPOSED OFFSITE MITIGATION FOR THIS SITE.				
Owner/Manager:	PVT				
Occurrence No.	21	Map Index: 24659	EO Index: 84573	Element Last Seen:	1897-04-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1897-04-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-08-18
Quad Summary:	Hollister (3612174)				
County Summary:	San Benito				
Lat/Long:	36.84822 / -121.40233		Accuracy:	1 mile	
UTM:	Zone-10 N4079226 E642441		Elevation (ft):		
PLSS:	T12S, R05E, Sec. 34 (M)		Acres:	0.0	
Location:	HOLLISTER.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN GENERAL VICINITY OF HOLLISTER.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS AN 1897 COLLECTION BY SETCHELL. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	23	Map Index: 83550	EO Index: 84577	Element Last Seen:	2006-05-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2006-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2020-04-20
Quad Summary:	San Felipe (3612184)				
County Summary:	San Benito				
Lat/Long:	36.93663 / -121.48907		Accuracy:	non-specific area	
UTM:	Zone-10 N4088909 E634553		Elevation (ft):	150	
PLSS:	T11S, R04E, Sec. 36 (M)		Acres:	73.0	
Location:	ALONG SOUTH SIDE OF ROUTE 25, 0.5 MILE WEST OF SHORE ROAD AND 1 MILE EAST OF PAJARO RIVER, NW OF HILLSIDE.				
Detailed Location:	EXACT LOCATION(S) UNKNOWN. MAPPED BY CNDDDB BASED ON COLLECTIONS FROM "S SIDE OF ROUTE 25, 0.5 MILES WEST OF SHORE RD," "S SIDE OF HWY 25, WEST OF SHORE RD," & "JUST PAST THE MUSHROOM PLANT ON THE S SIDE OF HWY 25, ~1 MI E OF PAJARO RIVER."				
Ecological:	DISKED NATIVE FIELD. ASSOCIATED WITH TRIFOLIUM AMPLECTINS, T. STENOPHYLLUM, ETC.				
General:	OCCURRENCE IS BASED ON COLLECTIONS FROM 1996, 1998, AND 2006. SINGLE PLANT SEEN IN 1996. SCATTERED PLANTS SEEN IN 1998. PLANTS NOTED AS COMMON IN 2006. FIELD GRAZED IN 1997 BUT NOT IN 1998.				
Owner/Manager:	UNKNOWN				
Occurrence No.	24	Map Index: 83552	EO Index: 84578	Element Last Seen:	1998-04-28
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1998-04-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-08-18
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.92333 / -121.54885		Accuracy:	1/10 mile	
UTM:	Zone-10 N4087351 E629250		Elevation (ft):	150	
PLSS:	T12S, R04E, Sec. 05, NE (M)		Acres:	0.0	
Location:	POND ADJACENT TO RAILROAD TRACKS ON WEST SIDE OF US 101, ABOUT 0.5 MILE N OF THE PAJARO RIVER, AT SARGENT SIDING.				
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED AS BEST GUESS BY CNDDDB IN VICINITY OF POOL ON WEST SIDE OF RR TRACKS AND HWY 101 WITHIN GIVEN NE 1/4 NE 1/4 SECTION 5.				
Ecological:	ELEOCHARIS MACROSTACHYA STRAND ALONG SHORE.				
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1998 COLLECTION BY TAYLOR. NEEDS POPULATION INFORMATION.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	51	Map Index: B5330	EO Index: 118292	Element Last Seen: 1997-04-15
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1997-04-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2020-04-21

Quad Summary: San Felipe (3612184)

County Summary: San Benito

Lat/Long:	36.95051 / -121.4833	Accuracy:	non-specific area
UTM:	Zone-10 N4090456 E635042	Elevation (ft):	150
PLSS:	T11S, R04E, Sec. 25, N (M)	Acres:	36.0

Location: ON NW SIDE OF (AND 1/2 MILE DOWN) LONG DRIVEWAY GOING SW FROM FRASER LAKE RD, ~1 1/4 MILES NW OF SHORE RD.

Detailed Location: EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB AS A BEST GUESS.

Ecological: NORTH END OF A VERY RANKLY WEEDY FIELD. GROWING WITH JUNCUS BUFONIUS, CHENOPODIUM, SPERGULARIA, SCATTERED LOLIUM MULTIFLORUM, AND HORDEUM HYSTRIX ALONG TOPS OF FURROWS (WEEDS IN THIS PART OF FIELD ARE LESS DENSE THAN ELSEWHERE).

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1997 MORGAN COLLECTION. NEEDS FIELDWORK.

Owner/Manager: PVT

<i>Hoita strobilina</i>		Element Code: PDFAB5Z030
Loma Prieta hoita		
Listing Status:	Federal: None	CNDDDB Element Ranks: Global: G2?
	State: None	State: S2?
	Other: Rare Plant Rank - 1B.1	
Habitat:	General: CHAPARRAL, CISMONTANE WOODLAND, RIPARIAN WOODLAND.	
	Micro: SERPENTINE; MESIC SITES. 60-975 M.	

Occurrence No.	2	Map Index: 46517	EO Index: 50132	Element Last Seen: 1918-07-30
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen: 1918-07-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2003-02-12

Quad Summary: Chittenden (3612185), Gilroy (3712115)

County Summary: Santa Clara

Lat/Long:	37.00911 / -121.57151	Accuracy:	1 mile
UTM:	Zone-10 N4096836 E627089	Elevation (ft):	
PLSS:	T11S, R04E, Sec. 06 (M)	Acres:	0.0

Location: GILROY.

Detailed Location: MAPPED AS BEST GUESS AT GILROY BY CNDDDB.

Ecological:

General: NEEDS FIELDWORK. ONLY SOURCE OF INFORMATION IS COLLECTION FROM 1918 BY C. MILLER. AREA HAS SINCE BEEN HEAVILY DEVELOPED.

Owner/Manager: UNKNOWN



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Occurrence No.	3	Map Index: 50133	EO Index: 50133	Element Last Seen:	2020-09-21
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2020-09-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2021-11-17
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.02411 / -121.70291		Accuracy:	80 meters	
UTM:	Zone-10 N4098333 E615376		Elevation (ft):	1058	
PLSS:	T10S, R02E, Sec. 36, NE (M)		Acres:	5.0	
Location:	TRIBUTARY OF LITTLE ARTHUR CREEK, APPROXIMATELY 0.8 AIR MILE NNE OF MOUNT MADONNA, SANTA CRUZ MOUNTAINS.				
Detailed Location:	MAPPED ACCORDING TO 2020 HYLAND COORDINATES, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 36.				
Ecological:	TWO SEASONALLY MOIST SWALES IN SERPENTINE CHAPARRAL. SWALES DOMINATED BY T. DIVERSILOBUM, Q. AGRIFOLIA. IMMEDIATELY ADJACENT TO SWALE DOMINATED BY Q. DURATA, ARCTOSTAPHYLOS SP., FESTUCA IDAHOENSIS. N TO NE ASPECT, 20-30% SLOPE.				
General:	20 PLANTS OBSERVED IN 2020. A 1922 JEPSON COLLECTION FROM "ON LITTLE ARTHUR CREEK, GREENINGER CANYON, WEST OF GILROY" IS ALSO ATTRIBUTED TO THIS SITE.				
Owner/Manager:	SCL COUNTY-MT MADONNA PARK				
Occurrence No.	32	Map Index: A8429	EO Index: 110219	Element Last Seen:	2019-05-04
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2019-05-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2021-11-16
Quad Summary:	Mt. Madonna (3712116)				
County Summary:	Santa Clara				
Lat/Long:	37.09238 / -121.7252		Accuracy:	specific area	
UTM:	Zone-10 N4105880 E613292		Elevation (ft):	625	
PLSS:	T10S, R02E, Sec. 2, NW (M)		Acres:	1.0	
Location:	UVAS CREEK OPEN SPACE, ABOUT 2.6 AIR MILES NORTHWEST OF UVAS DAM.				
Detailed Location:	ALONG BANKS OF UNNAMED CREEK ABOUT 0.4 MILE WEST OF UVAS ROAD. MAPPED WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 2.				
Ecological:	EPHEMERAL CREEKBED AND SURROUNDING STEEP BANKS, IN RIPARIAN WOODLAND. ASSOCIATED WITH PINUS SABINIANA, QUERCUS AGRIFOLIA, SALIX LAEVIGATA, MELICA TORREYANA, TRITELEIA LAXA, PERIDERIDIA KELLOGGII, BACCHARIS PILULARIS, ETC.				
General:	2 PLANTS OBSERVED IN 2015. ~300 PLANTS OBSERVED IN 2016. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2019.				
Owner/Manager:	SCL COUNTY OPEN SPACE				



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Occurrence No.	33	Map Index:	A8430	EO Index:	110220	Element Last Seen:	2016-07-21
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2016-07-21	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-02-12	
Quad Summary:	Mt. Madonna (3712116)						
County Summary:	Santa Clara						
Lat/Long:	37.0863 / -121.72553			Accuracy:	specific area		
UTM:	Zone-10 N4105206 E613272			Elevation (ft):	800		
PLSS:	T10S, R02E, Sec. 2, S (M)			Acres:	10.0		
Location:	UVAS CREEK OPEN SPACE PRESERVE, ~2.3 AIR MILES NW OF UVAS DAM, ALONG DRAINAGE FROM 0.2 TO 1 MI WSW OF UVAS RD.						
Detailed Location:	SEVERAL POLYGONS MAPPED IN THE SOUTH 1/2 OF SECTION 2.						
Ecological:	SERPENTINE RIPARIAN WOODLAND. GROWING ON SHADED TO SUNNY STREAMBANKS AND STREAMBEDS. ASSOC W/ UMBELLULARIA CALIFORNICA, QUERCUS AGRIFOLIA, HETEROMELES ARBUTIFOLIA, AESCULUS CALIFORNICA, FRANGULA CALIFORNICA, AQUILEGIA EXIMA, ETC.						
General:	~1130 PLANTS OBSERVED IN 2016.						
Owner/Manager:	SCL COUNTY OPEN SPACE						

<i>Malacothamnus aboriginum</i>		Element Code: PDMAL0Q020					
Indian Valley bush-mallow							
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G3		
	State:	None		State:	S3		
Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden						
Habitat:	General:	CISMONTANE WOODLAND, CHAPARRAL.					
	Micro:	GRANITIC OUTCROPS AND SANDY BARE SOIL, OFTEN IN DISTURBED SOILS. 150-1130 M.					

Occurrence No.	25	Map Index:	28926	EO Index:	30522	Element Last Seen:	1963-04-19
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1963-04-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1997-03-19	
Quad Summary:	Hollister (3612174)						
County Summary:	San Benito						
Lat/Long:	36.76957 / -121.41216			Accuracy:	non-specific area		
UTM:	Zone-10 N4070486 E641709			Elevation (ft):	800		
PLSS:	T13S, R05E, Sec. 27 (M)			Acres:	59.1		
Location:	NEAR HOLLISTER. SAN ANDREAS RIFT ZONE, ALONG CIENEGA ROAD ABOUT 5.1 MILES NORTH OF CIENEGA SCHOOL.						
Detailed Location:	MAPPED NEAR WHERE CIENEGA ROAD ENTERS BIRD CANYON FROM THE SAN ANDREAS RIFT ZONE.						
Ecological:	BURNED AREA WITH SALVIA MELLIFERA AND ARTEMISIA CALIFORNICA.						
General:	MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1963 COLLECTION BY RAVEN. COLLECTION FROM GENERAL AREA OF "NEAR HOLLISTER" BY O'CONNOR (SN CAS) IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	UNKNOWN						

<i>Malacothamnus arcuatus</i>		Element Code: PDMAL0Q0E0					
arcuate bush-mallow							
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G2Q		
	State:	None		State:	S2		
Other:	Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden						
Habitat:	General:	CHAPARRAL, CISMONTANE WOODLAND.					



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Micro: GRAVELLY ALLUVIUM. 1-735 M.

Occurrence No.	3	Map Index: 55893	EO Index: 55909	Element Last Seen:	1981-11-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1981-11-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-06-24

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.02471 / -121.63928	Accuracy:	1/10 mile
UTM:	Zone-10 N4098480 E621034	Elevation (ft):	270
PLSS:	T10S, R03E, Sec. 33, NE (M)	Acres:	0.0

Location: ADJACENT TO VINEYARDS AT EDGE OF UVAS CREEK FLOODPLAIN, N OF HECKER PASS HWY (HWY 152).
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS PER SOURCE, IN THE VICINITY OF UVAS CREEK, APPROXIMATELY 0.7 MILE NORTH OF HWY 152, AND 0.9 MILE EAST OF WATSONVILLE ROAD.
Ecological: PLANT IS NOT (APPARENTLY) IN TYPICAL HABITAT; PLANT PRESUMABLY ESTABLISHED WHEN SEED WASHED DOWN CREEK. WITH ANNUAL GRASSES, CEANOETHUS CUNEATUS, BACCHARIS VIMINEA AND SALIX HINDSIANA.
General: ONE PLANT SEEN IN 1981.
Owner/Manager: UNKNOWN

Occurrence No.	24	Map Index: 68926	EO Index: 69550	Element Last Seen:	2006-08-28
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2006-08-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-06-03

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.11524 / -121.69358	Accuracy:	80 meters
UTM:	Zone-10 N4108455 E616066	Elevation (ft):	450
PLSS:	T09S, R03E, Sec. 30, SW (M)	Acres:	0.0

Location: CHESBRO RESERVOIR SPILLWAY.
Detailed Location: 20 FEET ABOVE PONDED WATER ON NORTH BANK JUST BELOW BASE OF SPILLWAY.
Ecological: ASSOCIATED WITH ARTEMISIA CALIFORNICA, CENTAUREA SOLSTITIALIS, AND BACCHARIS PILULARIS.
General: 2 PLANTS OBSERVED IN 2006. A 1909 DUDLEY COLLECTION FROM "BANK BY NEW ROAD FROM MADRONE TO LLAGAS CREEK" IS ALSO ATTRIBUTED TO THIS SITE; COLLECTION ANNOTATED BY SLOTTA TO M. HALLII BUT LIKELY M. ARCUATUS BASED ON LOCATION.
Owner/Manager: SANTA CLARA VALLEY WATER DIST



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Occurrence No.	34	Map Index:	96245	EO Index:	97405	Element Last Seen:	1998-07-31
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1998-07-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-06-03	

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.12149 / -121.68066	Accuracy:	80 meters
UTM:	Zone-10 N4109164 E617205	Elevation (ft):	840
PLSS:	T09S, R03E, Sec. 30, E (M)	Acres:	0.0

Location: WEST SLOPE OF EL TORO HILL, ABOUT 3000 FEET NE OF INTERSECTION OF LLAGAS AND OAK GLEN AVENUES, MORGAN HILL.
Detailed Location: EAST OF LLAGAS AVENUE ON A PARCEL OFF OF DEER RUN COURT/CIRCLE.
Ecological: WITHIN STAND OF DIABLAN SAGE SCRUB DOMINATED BY SALVIA MELLIFERA. ALSO WITH ARTEMISIA CALIFORNICA, TOXICODENDRON DIVERSILOBUM, MIMULUS AURANTIACUS, AND BACCHARIS PILULARIS. ON SOUTH-FACING SLOPE.
General: ABOUT 100-200 PLANTS OBSERVED IN 1998. A 1921 CLEMENS COLLECTION FROM "MORGAN HILL" IS ALSO ATTRIBUTED TO THIS SITE.
Owner/Manager: PVT

<i>Chorizanthe pungens var. pungens</i>		Element Code: PDPGN040M2
Monterey spineflower		
Listing Status:	Federal: Threatened	CNDDDB Element Ranks: Global: G2T2
	State: None	State: S2
Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley	
Habitat:	General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.	
	Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 3-270 M.	

Occurrence No.	7	Map Index:	10764	EO Index:	8274	Element Last Seen:	2017-05-22
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2017-05-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-04-24	

Quad Summary: Prunedale (3612176)
County Summary: Monterey

Lat/Long:	36.80109 / -121.67764	Accuracy:	specific area
UTM:	Zone-10 N4073623 E617966	Elevation (ft):	300
PLSS:	T13S, R03E, Sec. 18, E (M)	Acres:	31.0

Location: MANZANITA PARK NEAR PRUNEDALE.
Detailed Location: 2 POLYGONS MAPPED ACCORDING TO A 1989 YADON MAP (SOUTHERN POLYGON) AND 2009 PRESTON COORDINATES (NORTHERN POLYGON).
Ecological: ON SANDY SOIL. MARITIME CHAPARRAL. ASSOCIATED WITH CHORIZANTHE DIFFUSA AND PUTATIVE HYBRIDS IN OPEN AREAS BETWEEN THICKETS OF ARCTOSTAPHYLOS PAJAROENSIS, A. HOOKERI, ETC.
General: SEEN IN SOUTHERN POLYGON IN 1984. NORTHERN POLYGON: FEWER THAN 100 PLANTS OBSERVED IN 2009 (LIKELY MORE THAN MAPPED), 100+ PLANTS OBSERVED IN 2017.
Owner/Manager: MNT COUNTY



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Occurrence No.	14	Map Index: 63167	EO Index: 20946	Element Last Seen: 1936-05-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1936-05-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2015-08-14

Quad Summary: Watsonville East (3612186)
County Summary: Monterey

Lat/Long:	36.88706 / -121.71808	Accuracy:	non-specific area
UTM:	Zone-10 N4083111 E614230	Elevation (ft):	200
PLSS:	T12S, R02E, Sec. 14 (M)	Acres:	557.0

Location: 1.5 MILES EAST OF WATSONVILLE JUNCTION.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB TO ENCOMPASS GIVEN TRS OF SECTION 14.
Ecological: VEG TYPE: GRASS. 20% SLOPE.
General: BASED ON A 1936 BELSHAW COLLECTION; REVIEWED BY ERTTER ET AL. IN 1999 AND WAS DETERMINED TO BE CLOSER TO C. PUNGENS THAN ROBUSTA. FORMERLY MAPPED AS C. ROBUSTA VAR. ROBUSTA EO #11.
Owner/Manager: UNKNOWN

Occurrence No.	20	Map Index: 22088	EO Index: 8275	Element Last Seen: 1929-06-09
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1929-06-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1992-12-28

Quad Summary: Prunedale (3612176), Moss Landing (3612177)
County Summary: Monterey

Lat/Long:	36.76738 / -121.75664	Accuracy:	1 mile
UTM:	Zone-10 N4069788 E610968	Elevation (ft):	15
PLSS:	T13S, R02E, Sec. 28 (M)	Acres:	0.0

Location: CASTROVILLE.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN THE GENERAL VICINITY OF CASTROVILLE.
Ecological:
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1929 DEARING COLLECTION. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No.	37	Map Index: 67836	EO Index: 67984	Element Last Seen: 2001-06-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2001-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-02-07

Quad Summary: Prunedale (3612176)
County Summary: Monterey

Lat/Long:	36.85396 / -121.73960	Accuracy:	1/5 mile
UTM:	Zone-10 N4079413 E612361	Elevation (ft):	300
PLSS:	T12S, R02E, Sec. 27, SW (M)	Acres:	0.0

Location: ON RIDGE NORTH OF BLOHM RANCH, 0.8 MILE SOUTH OF LAS LOMAS.
Detailed Location: BLOHM RANCH IS LOCATED AT 695 ELKHORN ROAD.
Ecological: MARITIME CHAPARRAL IN OPEN AREAS THROUGHOUT RIDGE IN SANDY SOILS. ARCTOSTAPHYLOS DOMINANT. RARE SPECIES INCLUDE ERICAMERIA FASCICULATA, A PAJAROENSIS, A. HOOKERI SSP. HOOKERI, PIPERIA YADONII, CEANOTHUS CUNEATUS VAR. RIDGIDUS.
General: 100S TO 1000S OF PLANTS OBSERVED IN 2001.
Owner/Manager: TNC-ELKHORN SLOUGH RES, ESF



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Occurrence No.	38	Map Index: 67844	EO Index: 67991	Element Last Seen:	2004-08-01
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2004-08-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-09-28
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.84293 / -121.69116		Accuracy:	80 meters	
UTM:	Zone-10 N4078247 E616697		Elevation (ft):	160	
PLSS:	T12S, R02E, Sec. 36, SE (M)		Acres:	0.0	
Location:	1 AIR MILE NW OF JUNCTION OF STRAWBERRY CANYON RD. AND SAN MIGUEL CANYON RD, EAST OF SWISS CANYON.				
Detailed Location:	ON WEST SIDE OF SAN MIGUEL CANYON RD. TAYLOR COLLECTION FROM "HILLS BORDERED BY HIDDEN VALLEY RD ON THE WEST, STRAWBERRY CANYON RD ON THE SOUTH, & SAN MIGUEL CANYON RD ON THE EAST; ROAD BED SERVING TRANSMISSION LINE, 450FT" ATTRIBUTED HERE.				
Ecological:	IN DISTURBED, OPEN HABITAT OF GRASSES AND FORBS IN SANDY SOIL. ADJACENT HABITATS INCLUDE ROW-CROP AGRICULTURE, COASTAL SCRUB, MARITIME CHAPARRAL, ANNUAL GRASSLAND, AND OAK WOODLAND.				
General:	ABOUT 100 PLANTS OBSERVED IN 2001. A 2004 TAYLOR COLLECTION IS ALSO ATTRIBUTED TO THIS SITE. SITE WAS FARMED FOR STRAWBERRIES FOR 20+ YEARS, THEN INACTIVE FOR 15 YEARS, PRIOR TO RESUMPTION OF FARMING.				
Owner/Manager:	ELKHORN SLOUGH FOUNDATION				
Occurrence No.	39	Map Index: 67846	EO Index: 67993	Element Last Seen:	2001-06-01
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2001-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-08-18
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82323 / -121.69959		Accuracy:	non-specific area	
UTM:	Zone-10 N4076052 E615974		Elevation (ft):	250	
PLSS:	T13S, R02E, Sec. 12, NE (M)		Acres:	32.0	
Location:	LONG VALLEY PRESERVE AND TUCKER ROAD, NEAR EAST END OF LONG CANYON.				
Detailed Location:	3 POLYGONS MAPPED BY CNDDDB. 2 SOUTHERN POLYGONS ARE SPECIFIC, BASED ON 2001 HOLTE MAP. NORTHERN POLYGON IS NON-SPECIFIC, BASED ON A 1989 MORGAN COLLECTION FROM "CHAPARRAL EDGES AT 185 TUCKER ROAD, PRUNEDALE/WATSONVILLE."				
Ecological:	SOUTHERN POLYGONS: IN OPEN TRAIL AREAS IN ECOTONE BETWEEN OAK WOODLAND AND MARITIME CHAPARRAL. DOMINANTS INCLUDE BLACK SAGE AND MANZANITAS. NORTH POLYGON: CHAPARRAL EDGES WITH ARTEMISIA CALIFORNICA, SALVIA, ARCTOSTAPHYLOS PAJAROENSIS, ETC.				
General:	SEEN IN NORTHERN POLYGON IN 1989. 100 TO 1000S OF PLANTS OBSERVED IN 2 SOUTHERN POLYGONS IN 2001.				
Owner/Manager:	ELKHORN SLOUGH FOUNDATION, PVT				



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Occurrence No.	40	Map Index: 67882	EO Index: 67997	Element Last Seen:	2001-04-22
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2001-04-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-01-24

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.78401 / -121.63694	Accuracy:	specific area
UTM:	Zone-10 N4071779 E621624	Elevation (ft):	200
PLSS:	T13S, R03E, Sec. 21, SE (M)	Acres:	3.0

Location: APPROX. 2 ROAD MILES WEST OF PRUNEDALE ON N SIDE OF PESANTE CANYON RD, EAST OF N. KING RD.

Detailed Location: MAPPED ACCORDING TO COORDINATES (NO DATUM) AND MAP PROVIDED BY LOWE. IN SE1/4 SEC 21 AND SW1/4 SEC 22.

Ecological: SANDY SOILS AT EDGES AND OPENINGS OF COASTAL SAGE SCRUB OR MIXED MARITIME CHAPARRAL/COAST LIVE OAK WOODLAND. RARE SPECIES INCLUDE ARCTOSTAPHYLOS PAJAROENSIS, CEANOTHUS CUNEATUS RIGIDUS, AND ERICAMERIA FASCICULATA.

General: ABOUT 2000 PLANTS OBSERVED IN 2001.

Owner/Manager: PVT

Occurrence No.	43	Map Index: 67887	EO Index: 68035	Element Last Seen:	2004-07-13
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2004-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-08-18

Quad Summary: Watsonville East (3612186)

County Summary: Monterey

Lat/Long:	36.88264 / -121.67801	Accuracy:	specific area
UTM:	Zone-10 N4082669 E617808	Elevation (ft):	120
PLSS:	T12S, R03E, Sec. 18, SE (M)	Acres:	5.0

Location: DIRT ROAD E OF SAN MIGUEL CANYON RD, 0.5 ROAD MI N OF JUNCTION WITH LEWIS RD, 3.6 AIR MI ESE OF WATSONVILLE JUNCTION.

Detailed Location: ON NORTH SIDE OF DIRT ROAD, AND AT END OF DIRT ROAD. THE ROAD IS NOT MARKED ON TOPOGRAPHIC MAPS BUT IS VISIBLE IN AERIAL PHOTOGRAPHS.

Ecological: OPEN SANDY PATCHES IN UNDERSTORY OF COAST LIVE OAK WOODLAND. UNDERSTORY COMPOSED PRIMARILY OF NON-NATIVE ANNUAL GRASSES, SCATTERED SHRUBS. REMNANTS OF AN OLD APRICOT ORCHARD ARE PRESENT.

General: 1500-2000 PLANTS OBSERVED IN 2004 ON 103-ACRE PARCEL. ILLEGAL ROAD GRADING IN 2004 IMPACTED 9,000 SQ FT; 27,000 SQ FT WILL BE ENHANCED.

Owner/Manager: PVT



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Occurrence No.	51	Map Index:	97260	EO Index:	98523	Element Last Seen:	2009-06-10
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2009-06-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-09-25	
Quad Summary:	San Juan Bautista (3612175)						
County Summary:	Monterey						
Lat/Long:	36.79404 / -121.62329			Accuracy:	specific area		
UTM:	Zone-10 N4072909 E622826			Elevation (ft):	400		
PLSS:	T13S, R03E, Sec. 22, NE (M)			Acres:	1.0		
Location:	378 CRAZY HORSE CANYON ROAD, EAST SIDE OF PESANTE CANYON, SALINAS.						
Detailed Location:	MAPPED IN THE NW 1/4 OF THE NE 1/4 OF SECTION 22 ACCORDING TO A 2009 SIEPEL MAP.						
Ecological:	UNDEVELOPED PORTION OF THE PARCEL HAS COAST LIVE OAK WOODLAND MIXED WITH CENTRAL MARITIME CHAPARRAL. SCATTERED IN OPEN AREAS WITHIN THE CHAPARRAL ON THE SLOPE BELOW THE HOUSE.						
General:	TWO SMALL PATCHES OF PLANTS OBSERVED IN 2009.						
Owner/Manager:	CALTRANS						
Occurrence No.	52	Map Index:	97261	EO Index:	98524	Element Last Seen:	2001-05-18
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2001-05-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-08-19	
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.82162 / -121.63509			Accuracy:	specific area		
UTM:	Zone-10 N4075953 E621729			Elevation (ft):	500		
PLSS:	T13S, R03E, Sec. 10, NW (M)			Acres:	44.0		
Location:	WEST SIDE OF HIGHWAY 101 AT INTERSECTION WITH ECHO VALLEY ROAD AND CRAZY HORSE CANYON ROAD, NORTHEAST OF PRUNEDALE.						
Detailed Location:	MAPPED MOSTLY WITHIN THE WEST 1/2 OF THE NW 1/4 OF SECTION 10 ACCORDING TO A 2001 ROBISON MAP.						
Ecological:	DISTURBED SANDY SOILS IN A PARTIALLY CLEARED AREA AND ALONG A TRAIL THROUGH MARITIME CHAPARRAL. PLANTS ARE SPORADIC AT THE EDGE OF CHAPARRAL AND OAK WOODLAND. ASSOCIATES ARE BROMUS DIANDRUS AND OTHER NON-NATIVE GRASSES.						
General:	2000+ PLANTS IN 2001; SITE ALSO SURVEYED IN 2002 AND 2004, UNCLEAR IF PLANTS OBSERVED ON THOSE DATES. 1989 AND 1994 MORGAN COLLECTIONS FROM "PRUNEDALE BYPASS NORTH" AND "ALONG ROUTE OF PROPOSED PRUNEDALE BYPASS" ARE ATTRIBUTED HERE.						
Owner/Manager:	PVT						



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Occurrence No.	54	Map Index:	97263	EO Index:	98526	Element Last Seen:	2004-04-12
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-04-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-08-19	
Quad Summary:	Watsonville East (3612186)						
County Summary:	Santa Cruz						
Lat/Long:	36.93734 / -121.68829			Accuracy:	2/5 mile		
UTM:	Zone-10 N4088725 E616808			Elevation (ft):			
PLSS:	T11S, R03E, Sec. 31 (M)			Acres:	0.0		
Location:	BEHIND KELLY-THOMPSON RANCH HEADQUARTERS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB AROUND HILLS BEHIND PRESUMED LOCATION OF KELLY-THOMPSON RANCH HEADQUARTERS BUILDINGS.						
Ecological:	AROUND SHRUBS AND AMONG SPARSE GRASSES, ON SAND SLOPE BEHIND HEADQUARTERS.						
General:	SITE IS BASED ON MORGAN COLLECTIONS FROM 1994 AND 1998, PLANTS NOTED AS "ABUNDANT" IN 1994. A 2004 MORGAN COLLECTION FROM PORTER-COOLEY RANCH IS ATTRIBUTED HERE; COOLEY RANCH IS ADJACENT TO KELLY-THOMPSON RANCH. NEEDS FIELDWORK.						
Owner/Manager:	PVT						
Occurrence No.	55	Map Index:	97264	EO Index:	98528	Element Last Seen:	2004-08-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-08-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-04-05	
Quad Summary:	Prunedale (3612176), Watsonville East (3612186)						
County Summary:	Monterey						
Lat/Long:	36.8744 / -121.67447			Accuracy:	80 meters		
UTM:	Zone-10 N4081759 E618137			Elevation (ft):	410		
PLSS:	T12S, R03E, Sec. 19, E (M)			Acres:	5.0		
Location:	RIDGETOP 0.5 MILE NORTH OF TARPEY ROAD AND WEST OF THE TERMINUS OF TIERRA WAY, VICINITY OF AROMAS.						
Detailed Location:	MAPPED ACCORDING TO 2003 TAYLOR COORDINATES. ALSO INCLUDES 2004 TAYLOR COLLECTION FROM "HILLS BORDERED BY SAN MIGUEL CYN RD ON THE WEST, TARPEY RD ON THE SOUTH, & G11 ON THE EAST, GROWING EXACTLY AT BASE OF PG&E TRANSMISSION TOWER 53/228."						
Ecological:	SAND OF POWER LINE ACCESS DIRT ROAD, GROWING IN THE MIDDLE OF THE ROAD AND ON THE SIDES. UPSLOPE VEGETATION WITH MARITIME CHAPARRAL OF ARCTOSTAPHYLOS PAJAROENSIS, A. TOMENTOSA, TOXICODENDRON DIVERSILOBUM, AND BACCHARIS PILULARIS.						
General:	SITE IS BASED ON A 2003 TAYLOR PHOTO AND A 2004 TAYLOR COLLECTION.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	62	Map Index:	A8931	EO Index:	110725	Element Last Seen:	2017-05-20
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2017-05-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-04-06	
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.80624 / -121.68853			Accuracy:	specific area		
UTM:	Zone-10 N4074181 E616988			Elevation (ft):	250		
PLSS:	T13S, R03E, Sec. 18, NW (M)			Acres:	13.0		
Location:	NORTH OF CASTROVILLE BLVD, ~0.7 TO 1.2 AIR MI WEST OF ITS INTERSECTION WITH SAN MIGUEL CANYON ROAD, NORTH OF PRUNEDALE.						
Detailed Location:	5 POLYGONS MAPPED IN THE NORTH 1/2 OF THE NW 1/4 OF SECTION 18 AND THE NE 1/4 OF THE NE 1/4 OF SECTION 13.						
Ecological:	EDGES OF OAK WOODLAND/MARITIME CHAPARRAL AND NON-NATIVE ANNUAL GRASSLAND, IN OPENINGS OR UNDER SHRUBS, GENERALLY IN SHELTERED, S-FACING LOCATIONS. ASSOC W/ QUERCUS AGRIFOLIA VAR. AGRIFOLIA, ARCTOSTAPHYLOS PAJAROENSIS, SALVIA MELLIFERA, ETC.						
General:	ROBUST POPULATIONS OBSERVED IN THIS AREA ACCORDING TO A 2010 REPORT; OBSERVATION DATE UNKNOWN, POSSIBLY SEEN IN 2009. APPROXIMATELY 1740 PLANTS OBSERVED IN 2017.						
Owner/Manager:	CALTRANS						

<i>Eriogonum nortonii</i>		Element Code: PDPGN08470	
Pinnacles buckwheat			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.3, BLM_S-Sensitive		
Habitat:	General: CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: SANDY SOILS; OFTEN ON RECENT BURNS; WESTERN SANTA LUCIAS. 90-975 M.		

Occurrence No.	15	Map Index:	11222	EO Index:	20997	Element Last Seen:	2008-05-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2008-05-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-10-04	
Quad Summary:	Hollister (3612174)						
County Summary:	San Benito						
Lat/Long:	36.76443 / -121.45001			Accuracy:	80 meters		
UTM:	Zone-10 N4069860 E638341			Elevation (ft):	1470		
PLSS:	T13S, R05E, Sec. 32, NW (M)			Acres:	5.0		
Location:	AT EDGE OF MADRONE TRAIL JUST EAST OF INTERSECTION WITH CATHEDRAL ROCKS AND HIDDEN SPRINGS TRAILS, AZALEA CANYON.						
Detailed Location:	MAPPED ACCORDING TO 2008 MORTON COORDINATES, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 32.						
Ecological:	CHAPARRAL BORDERED POPULATION UP AND DOWN-SLOPE OF TRAIL. SHRUBS APPEARED TO HAVE BEEN RECENTLY CUT BACK FROM THE TRAIL. POPULATION AT EDGE OF TRAIL WHERE GRAVEL HAS ERODED AND DEPOSITED AT BASE OF SLOPE. GRANITIC SOILS.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2008. A 1956 CRAMPTON COLLECTION FROM "UPPER DRAINAGE OF BIRD CREEK, GABILAN RANGE, 8-9 MILES SOUTH OF HOLLISTER" IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	DPR-HOLLISTER HILLS SVRA						



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Occurrence No.	16	Map Index:	11116	EO Index:	20999	Element Last Seen:	1975-06-09
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1975-06-09	Record Last Updated:	2018-10-03
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Mt. Harlan (3612164), Natividad (3612165), Hollister (3612174), San Juan Bautista (3612175)						
County Summary:	Monterey, San Benito						
Lat/Long:	36.75745 / -121.50855	Accuracy:	1 mile				
UTM:	Zone-10 N4069003 E633127	Elevation (ft):					
PLSS:	T13S, R04E, Sec. 35 (M)	Acres:	0.0				
Location:	WEST SLOPE OF FREMONT PEAK, GABILAN RANGE.						
Detailed Location:	GROWING IN ROADWAY. EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN THE VICINITY OF FREMONT PEAK.						
Ecological:	IN DECOMPOSED GRANITE.						
General:	SITE BASED ON A 1966 STEPHENSON COLLECTION FROM "WEST SLOPE OF FREMONT PEAK" AND 1975 YADON COLLECTION FROM "FREMONT PEAK W SIDE, IN ROADWAY JAMES BARDIN RANCH PRIVATE ROAD." NEEDS FIELDWORK.						
Owner/Manager:	PVT						
Occurrence No.	24	Map Index:	60723	EO Index:	60759	Element Last Seen:	1989-05-21
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1989-05-21	Record Last Updated:	2005-03-29
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Hollister (3612174)						
County Summary:	San Benito						
Lat/Long:	36.78441 / -121.42243	Accuracy:	1 mile				
UTM:	Zone-10 N4072118 E640765	Elevation (ft):					
PLSS:	T13S, R05E, Sec. 21 (M)	Acres:	0.0				
Location:	5 MI SOUTH OF HOLLISTER IN HILLS, ALONG ROADSIDE AT ORV PARK.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED IN VICINITY OF HOLLISTER HILLS STATE VEHICULAR RECREATION AREA.						
Ecological:	CHAPARRAL, WITH DISTRUBED, DECOMPOSED GRANITE SOIL.						
General:	1989 KELCH COLLECTION IS THE ONLY SOURCE FOR THIS SITE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						
Occurrence No.	38	Map Index:	B0966	EO Index:	112854	Element Last Seen:	2018-06-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2018-06-08	Record Last Updated:	2018-10-03
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Hollister (3612174)						
County Summary:	San Benito						
Lat/Long:	36.78479 / -121.46356	Accuracy:	specific area				
UTM:	Zone-10 N4072100 E637095	Elevation (ft):	1765				
PLSS:	T13S, R05E, Sec. 19, SW (M)	Acres:	11.0				
Location:	HIGH ROAD AT LIZARD TRAIL, SAN JUAN CANYON, HOLLISTER HILLS VEHICLE RECREATION AREA.						
Detailed Location:	MAPPED ACCORDING TO 2015 AND 2018 OVERTREE COORDINATES. IN THE SE 1/4 OF THE SW 1/4 OF SECTION 19.						
Ecological:	ROADSIDE/WASTE AREA.						
General:	UNKNOWN NUMBER SEEN IN 2015. JUST 1 PLANT SEEN IN 2018.						
Owner/Manager:	DPR-HOLLISTER HILLS SVRA						



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Navarretia prostrata		Element Code: PDPLM0C0Q0	
prostrate vernal pool navarretia			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, MEADOWS AND SEEPS.		
	Micro: ALKALINE SOILS IN GRASSLAND, OR IN VERNAL POOLS. MESIC, ALKALINE SITES. 3-1235 M.		
Occurrence No.	56	Map Index: 83376	EO Index: 84388
Occ. Rank:	Good	Presence: Presumed Extant	Element Last Seen: 2014-07-02
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Site Last Seen: 2014-07-02
			Record Last Updated: 2020-06-01
Quad Summary:	San Felipe (3612184)		
County Summary:	San Benito		
Lat/Long:	36.97730 / -121.45993	Accuracy:	non-specific area
UTM:	Zone-10 N4093463 E637074	Elevation (ft):	140
PLSS:	T11S, R05E, Sec. 18 (M)	Acres:	20.0
Location:	SAN FELIPE LAKE; JUNCTION WITH TEQUISQUITA SLOUGH, JUNCTION WITH PACHECO CREEK, AND 0.25 MI SE OF LAKE.		
Detailed Location:	3 POLYGONS MAPPED BY CNDDDB. 2 WESTERN POLYGONS ARE SPECIFIC, BASED ON A 2007 HILLMAN MAP. EASTERN POLYGON IS NON-SPECIFIC, BASED ON 2014 GOKLANY PHOTO FROM "0.25 MI SE OF SAN FELIPE LAKE, NEAR TEQUISQUITA SLOUGH AND ALONG MAINTENANCE RD."		
Ecological:	E POLYGON IN PERENNIAL MARSH WITH ARTIFICIAL HYDROLOGY. W POLYGONS WITH POLYGONUM SP., CRYPISIS SCHOENOIDES, PASPALUM DISTICHUM, SCIRPUS CALIFORNICUS, XANTHIUM STRUMARIUM, POLYPOGON MONSPELIENSIS, AND ERYNGIUM ARISTULATUM VAR. HOOVERI.		
General:	~150 PLANTS SEEN IN 2 WESTERN POLYGONS IN 2007. UNKNOWN NUMBER OF PLANTS SEEN IN EASTERN POLYGON IN 2014.		
Owner/Manager:	PVT		



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<i>Delphinium californicum ssp. interius</i>		Element Code: PDRAN0B0A2	
Hospital Canyon larkspur			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G3T3
	State: None		State: S3
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden		
Habitat:	General: CISMONTANE WOODLAND, CHAPARRAL, COASTAL SCRUB.		
	Micro: IN WET, BOGGY MEADOWS, OPENINGS IN CHAPARRAL AND IN CANYONS. 195-1095 M.		

Occurrence No.	21	Map Index: 89706	EO Index: 90709	Element Last Seen:	2005-06-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2005-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-07-17
Quad Summary:	Gilroy Hot Springs (3712114)				
County Summary:	Santa Clara				
Lat/Long:	37.05427 / -121.38654		Accuracy:	80 meters	
UTM:	Zone-10 N4102110 E643462		Elevation (ft):	1650	
PLSS:	T10S, R05E, Sec. 23, NE (M)		Acres:	0.0	
Location:	NORTH SIDE OF KICKHAM PEAK, APPROXIMATELY 3.5 AIR MILES NORTHWEST OF PACHECO RANGER STATION.				
Detailed Location:	MAPPED IN THE EAST HALF OF THE NE 1/4 OF SECTION 23 ACCORDING TO A 2005 VEGETATION SURVEY.				
Ecological:	SEDIMENTARY SOIL. ASSOCIATED WITH RHAMNUS CROCEA, PRUNUS ILICIFOLIA, MARAH FABACEUS, RIBES CALIFORNICUM, TOXICODENDRON DIVERSILOBUM, UMBELLULARIA CALIFORNICA, LONICERA SUBSPICATA VAR. DENUDATA, AESCULUS CALIFORNICA, QUERCUS DOUGLASII, ETC.				
General:	0.2% COVER OF DELPHINIUM OBSERVED OVER 1-5 ACRE AREA IN 2005.				
Owner/Manager:	DFG-CANADA DE LOS OSOS ER				

<i>Rosa pinetorum</i>		Element Code: PDROS1J0W0	
pine rose			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: CLOSED-CONE CONIFEROUS FOREST, CISMONTANE WOODLAND.		
	Micro: 5-1090 M.		

Occurrence No.	5	Map Index: 28460	EO Index: 46104	Element Last Seen:	1993-06-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-06-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-12-22
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.79872 / -121.67945		Accuracy:	non-specific area	
UTM:	Zone-10 N4073358 E617808		Elevation (ft):		
PLSS:	T13S, R03E, Sec. 18 (M)		Acres:	462.3	
Location:	MANZANITA (COUNTY) PARK.				
Detailed Location:	ALONG TRAIL. MAPPED NON-SPECIFICALLY AROUND THE BOUNDARY OF MANZANITA REGIONAL PARK.				
Ecological:	AT EDGE OF DRAINAGE, WET LOCATION, FULL SUN.				
General:	1993 YADON COLLECTION IS THE ONLY SOURCE OF INFORMATION FOR THIS SITE. NEEDS FIELDWORK.				
Owner/Manager:	MNT COUNTY				



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Castilleja rubicundula var. rubicundula		Element Code: PDSCR0D482	
pink creamsacs			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5T2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive		
Habitat:	General: CHAPARRAL, CISMONTANE WOODLAND, MEADOWS AND SEEPS, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: OPENINGS IN CHAPARRAL OR GRASSLANDS. ON SERPENTINE. 20-915 M.		

Occurrence No.	18	Map Index: 53706	EO Index: 53706	Element Last Seen: 1992-04-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1992-04-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-01-07

Quad Summary: Chittenden (3612185)
County Summary: Santa Clara

Lat/Long:	36.93168 / -121.5874	Accuracy:	2/5 mile
UTM:	Zone-10 N4088226 E625804	Elevation (ft):	340
PLSS:	T11S, R03E, Sec. 36 (M)	Acres:	280.0

Location: NORTH OF TAR CREEK, ABOUT 4.5 MILES SOUTH OF GILROY, SANTA CRUZ MOUNTAINS.
Detailed Location: MAPPED MOSTLY WITHIN THE SE 1/4 OF SECTION 36 ACCORDING TO A VAGUE 1992 PRESTON MAP.
Ecological: IN SEEP/SPRING WITH HORDEUM DEPRESSUM, PUCCINELLIA SIMPLEX, AND ELEOCHARIS.
General: UNKNOWN NUMBER OF PLANTS SEEN BY PRESTON IN 1992.
Owner/Manager: PVT



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<i>Cordylanthus rigidus ssp. littoralis</i>		Element Code: PDSCROJ0P2	
seaside bird's-beak			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5T2
	State: Endangered		State: S2
Habitat:	Other: Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden		
	General: CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB, COASTAL DUNES.		
	Micro: SANDY, OFTEN DISTURBED SITES, USUALLY WITHIN CHAPARRAL OR COASTAL SCRUB. 30-520 M.		

Occurrence No.	8	Map Index:	97639	EO Index:	98970	Element Last Seen:	1930-09-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1930-09-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-09-25		

Quad Summary:	Prunedale (3612176), Moss Landing (3612177)						
County Summary:	Monterey						
Lat/Long:	36.85053 / -121.75269	Accuracy:	1 mile				
UTM:	Zone-10 N4079017 E611199	Elevation (ft):					
PLSS:	T12S, R02E, Sec. 33 (M)	Acres:	0.0				
Location:	UPPER END OF ELKHORN SLOUGH, BETWEEN WATSONVILLE AND CASTROVILLE.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB AS A BEST GUESS.						
Ecological:	LOW HILLS.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1930 MASON COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	40	Map Index:	22088	EO Index:	68394	Element Last Seen:	1908-06-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1908-06-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2007-02-26		

Quad Summary:	Prunedale (3612176), Moss Landing (3612177)						
County Summary:	Monterey						
Lat/Long:	36.76738 / -121.75664	Accuracy:	1 mile				
UTM:	Zone-10 N4069788 E610968	Elevation (ft):					
PLSS:	T13S, R02E, Sec. 28 (M)	Acres:	0.0				
Location:	CASTROVILLE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN THE VICINITY OF CASTROVILLE.						
Ecological:							
General:	THE ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS 1908 BRANDEGEE COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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<i>Penstemon rattanii</i> var. <i>kleei</i>		Element Code: PDSCR1L5B1
Santa Cruz Mountains beardtongue		
Listing Status:	Federal: None	CNDDB Element Ranks: Global: G4T2
	State: None	State: S2
	Other: Rare Plant Rank - 1B.2	
Habitat:	General: CHAPARRAL, LOWER MONTANE CONIFEROUS FOREST, NORTH COAST CONIFEROUS FOREST.	
	Micro: SANDY SHALE SLOPES; SOMETIMES IN THE TRANSITION BETWEEN FOREST AND CHAPARRAL. 455-915 M.	

Occurrence No.	1	Map Index: 35527	EO Index: 30683	Element Last Seen: 2019-06-27
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2019-06-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2020-01-22

Quad Summary: Mt. Madonna (3712116)
County Summary: Santa Clara

Lat/Long:	37.00252 / -121.70723	Accuracy:	specific area
UTM:	Zone-10 N4095933 E615024	Elevation (ft):	1608
PLSS:	T11S, R02E, Sec. 1, SW (M)	Acres:	2.0

Location: APPROXIMATELY 0.25 AIR MILE SSE OF THE JUNCTION OF POLE LINE ROAD AND BLACKHAWK TRAIL, MT MADONNA COUNTY PARK.
Detailed Location: GROWING UNDER TRANSMISSION LINE. MAPPED ACCORDING TO 2019 MOSHER DATA.
Ecological: CHAPARRAL. GROWING UNDER ARCTOSTAPHYLOS ANDERSONII, A. GLANDULOSA, CEANOTHUS PAPILLOSUS, ERIODICTYON CALIFORNICUM, AND PICKERINGIA MONTANA. VERY LIGHT SOIL.
General: 31 PLANTS OBSERVED IN 2019; PLANTS MOST ABUNDANT IN AREAS WHERE ARCTOSTAPHYLOS AND CEANOTHUS INDIVIDUALS HAD BEEN THINNED. 1936 STOCKTON AND 1937 KECK COLLECTIONS ARE ALSO ATTRIBUTED TO THIS SITE.
Owner/Manager: SCL COUNTY-MT MADONNA PARK

<i>Fritillaria liliacea</i>		Element Code: PMLILOV0C0
fragrant fritillary		
Listing Status:	Federal: None	CNDDB Element Ranks: Global: G2
	State: None	State: S2
	Other: Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive	
Habitat:	General: COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, COASTAL PRAIRIE, CISMONTANE WOODLAND.	
	Micro: OFTEN ON SERPENTINE; VARIOUS SOILS REPORTED THOUGH USUALLY ON CLAY, IN GRASSLAND. 3-385 M.	



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Occurrence No.	29	Map Index: 25089	EO Index: 6095	Element Last Seen:	1993-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-30
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey, San Benito				
Lat/Long:	36.86394 / -121.64197		Accuracy:	non-specific area	
UTM:	Zone-10 N4080639 E621050		Elevation (ft):	200	
PLSS:	T12S, R03E, Sec. 28 (M)		Acres:	508.7	
Location:	1 MILE SOUTH OF AROMAS.				
Detailed Location:	GENERAL VICINITY OF THE POPULATION IS BOUNDED BY THE SBT/MNT COUNTY LINE TO THE NORTHEAST, SAN JUAN RD AND HWY 101 TO THE SOUTH, AND BY CARPENTERIA RD TO THE NORTHWEST.				
Ecological:					
General:	SITE MANAGED INFORMALLY FOR THE PLANT. 1973 YADON COLLECTIONS FROM "THE ROCKS HWY 101 S SAN BENITO CO...ON W SIDE OF S BOUND LANE" AND "AROMAS AREA, 19180 EL CERRITO WAY.." ATTRIBUTED TO THIS SITE. NEED BETTER LOCATION INFO.				
Owner/Manager:	PVT				
Occurrence No.	64	Map Index: 68765	EO Index: 69250	Element Last Seen:	2002-06-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2002-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-30
Quad Summary:	Natividad (3612165), Salinas (3612166), San Juan Bautista (3612175), Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.75832 / -121.63391		Accuracy:	1 mile	
UTM:	Zone-10 N4068933 E621935		Elevation (ft):		
PLSS:	T13S, R03E, Sec. 34 (M)		Acres:	0.0	
Location:	RANCHO SAN JUAN AREA, ABOUT 2 AIR MILES SE OF PRUNEDALE.				
Detailed Location:	"...DISTRIBUTED OVER APPROXIMATELY 3 ACRES...IN THE CENTRAL PORTION OF THE [RANCH SAN JUAN] SPECIFIC PLAN AREA." EXACT LOCATION OF RANCHO SAN JUAN UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ACCORDING TO THE "VICINITY MAP" OF THE PLAN.				
Ecological:	MIXED NATIVE/NON-NATIVE GRASSLAND.				
General:	FEWER THAN 20 PLANTS WERE OBSERVED IN 1998, AND AGAIN IN APRIL AND JUNE OF 2002. NEEDS FIELDWORK TO DETERMINE EXACT LOCATION.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	85	Map Index: A0898	EO Index: 102431	Element Last Seen: 1967-03-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1967-03-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-07-19

Quad Summary: Chittenden (3612185), Watsonville East (3612186)
County Summary: San Benito

Lat/Long:	36.89165 / -121.62287	Accuracy:	3/5 mile
UTM:	Zone-10 N4083738 E622708	Elevation (ft):	700
PLSS:	T12S, R03E, Sec. 15 (M)	Acres:	776.0

Location: 1000 YARDS NORTH OF COLE ROAD, NORTHWEST OF SAN JUAN BAUTISTA, WEST OF HWY 101.
Detailed Location: EXACT LOCATION UNKNOWN. COLE ROAD RUNS NORTH-SOUTH. MAPPED AS BEST GUESS AROUND NORTH END OF COLE RD AND AREAS WEST OF ROAD TO INCLUDE GIVEN ELEVATION OF 700 FT.
Ecological: SCATTERED ON NORTH FACING HILLSIDE, GRASSY SLOPES.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE ARE TWO 1967 KEEFE COLLECTIONS. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No.	89	Map Index: A8525	EO Index: 110316	Element Last Seen: 1967-02-26
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1967-02-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-02-20

Quad Summary: San Juan Bautista (3612175)
County Summary: San Benito

Lat/Long:	36.86277 / -121.61668	Accuracy:	non-specific area
UTM:	Zone-10 N4080542 E623307	Elevation (ft):	250
PLSS:	T12S, R03E, Sec. 26 (M)	Acres:	93.0

Location: ON HWY 101, 1 MILE EAST OF MONTEREY COUNTY LINE.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB ALONG HIGHWAY ABOUT 1 ROAD MILE EAST OF COUNTY LINE, BASED ON A 1967 RODERICK COLLECTION.
Ecological: EAST-FACING SLOPE IN STIFF CLAY.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1967 RODERICK COLLECTION. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN.

<i>Piperia yadonii</i>		Element Code: PMORC1X070
Yadon's rein orchid		
Listing Status:	Federal: Endangered	CNDDDB Element Ranks: Global: G1
	State: None	State: S1
	Other: Rare Plant Rank - 1B.1	
Habitat:	General: CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL BLUFF SCRUB.	
	Micro: ON SANDSTONE AND SANDY SOIL, BUT POORLY DRAINED AND OFTEN DRY. 10-505 M.	



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Occurrence No.	10	Map Index: 23613	EO Index: 7359	Element Last Seen:	1991-07-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1996-07-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-06

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.80721 / -121.64337	Accuracy:	non-specific area
UTM:	Zone-10 N4074345 E621015	Elevation (ft):	325
PLSS:	T13S, R03E, Sec. 16, N (M)	Acres:	29.0

Location: BEATRICE DRIVE, BETWEEN VIERRA CANYON AND HIGHWAY 101, WEST OF CRAZY HORSE CANYON ROAD, NORTHEAST OF PRUNEDALE.

Detailed Location: MAPPED BY CNDDDB NON-SPECIFICALLY ALONG THE LENGTH OF BEATRICE DRIVE.

Ecological: MARITIME CHAPARRAL.

General: OVER 10 PLANTS REPORTED, PROBABLY REFERENCING 1991 MORGAN COLLECTION. FLOWERING PIPERIA ELONGATA SPECIMENS WERE OBSERVED ON "RIDGE NORTH ABOVE VIERRA CANYON ROAD" IN 1996, NO FLOWERING P. YADONII WERE OBSERVED.

Owner/Manager: PVT

Occurrence No.	11	Map Index: 23612	EO Index: 12672	Element Last Seen:	2017-01-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-01-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-10-25

Quad Summary: Prunedale (3612176)

County Summary: Monterey

Lat/Long:	36.79997 / -121.67338	Accuracy:	specific area
UTM:	Zone-10 N4073503 E618349	Elevation (ft):	350
PLSS:	T13S, R03E, Sec. 18 (M)	Acres:	164.0

Location: MANZANITA PARK, NORTH OF PRUNEDALE.

Detailed Location: NEAR BALLFIELDS AND RIDGES TO EAST WITHIN MANZANITA PARK. MAPPED AS 3 POLYGONS BASED ON MAPS FROM 1996-2013, AND 2010 PRESTON COORDINATES.

Ecological: MARITIME CHAPARRAL. SPIKES OF PLANTS WERE EXPOSED TO FULL SUN, GROWING UP THROUGH PROSTRATE MATS OF ARCTOSTAPHYLOS HOOKERI AND A. PAJAROENSIS. ALSO ASSOCIATED WITH ADENOSTOMA FASCICULATUM, SPIRANTHES ROMANZOFFIANA, AND DUDLEYA LANCEOLATA.

General: 30+ PLANTS REPORTED PRIOR TO 1992; 3,080 PLANTS ACROSS SITE IN 1996; 100+ PLANTS IN SMALL PORTION IN 2007; <100 PLANTS AT NE END IN 2010; OBSERVED IN 2013 & "ABOVE THE POND" IN 2017. INCLUDES FORMER EO #30.

Owner/Manager: MNT COUNTY, PVT



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Occurrence No.	12	Map Index: A3454	EO Index: 7361	Element Last Seen:	2001-06-01
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2001-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-07
Quad Summary:	Prunedale (3612176), Moss Landing (3612177)				
County Summary:	Monterey				
Lat/Long:	36.85064 / -121.73138		Accuracy:	non-specific area	
UTM:	Zone-10 N4079055 E613100		Elevation (ft):	350	
PLSS:	T12S, R02E, Sec. 34 (M)		Acres:	561.0	
Location:	BLOHM, RENTERIA, AND BROTHERS RANCHES, SOUTH OF LAS LOMAS.				
Detailed Location:	MAPPED AS 3 POLYGONS. TWO WESTERN POLYGONS (BLOHM RANCH) ARE SPECIFIC AND BASED ON 1996 ALLEN MAPS. EASTERN CIRCULAR POLYGON IS NON-SPECIFIC BASED ON A 2005 NOTE WHICH INDICATES P. YADONII OCCURS ON THE RENTERIA AND BROTHERS RANCHES.				
Ecological:	MARITIME CHAPARRAL. OTHER RARE SPECIES INCLUDE ARCTOSTAPHYLOS PAJAROENSIS, A. HOOKERI SSP. HOOKERI, CHORIZANTHE PUNGENS VAR. PUNGENS, ERICAMERIA FASCICULATA, AND CEANOTHUS CUNEATUS VAR. RIGIDUS.				
General:	OVER 50 PLANTS SEEN CIRCA 1992. 0 PLANTS IN 1994, 1000 PLANTS IN 1995. ABOUT 9500 VEGETATIVE PLANTS ON BLOHM RANCH AND RIDGES SOUTH OF BLOHM RANCH IN 1996. UNKNOWN NUMBER IN 2001. BETTER LOCATION INFO NEEDED. INCLUDES FORMER OCCURRENCE #32.				
Owner/Manager:	TNC-ELKHORN SLOUGH RES, ESF				
Occurrence No.	13	Map Index: 23611	EO Index: 12670	Element Last Seen:	1996-07-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1996-07-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-06
Quad Summary:	Prunedale (3612176)				
County Summary:	Monterey				
Lat/Long:	36.82944 / -121.68689		Accuracy:	specific area	
UTM:	Zone-10 N4076756 E617099		Elevation (ft):	550	
PLSS:	T13S, R03E, Sec. 6, W (M)		Acres:	119.0	
Location:	BETWEEN THE EAST END OF TUCKER ROAD AND SAN MIGUEL CANYON, NORTHWEST OF PRUNEDALE.				
Detailed Location:	MAPPED AS TWO POLYGONS ACCORDING TO A 1996 ALLEN MAP.				
Ecological:	CHAPARRAL.				
General:	OVER 150 PLANTS WITH FLOWERING STALKS REPORTED IN 1993 COMMUNICATION (DATE OF OBSERVATION UNKNOWN). 2241 PLANTS OBSERVED IN 1996. A 1992 MORGAN COLLECTION FROM "LONG VALLEY" IS ALSO ATTRIBUTED TO THIS SITE.				
Owner/Manager:	PVT				



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Occurrence No.	22	Map Index:	A3399	EO Index:	59069	Element Last Seen:	2014-07-03
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2014-07-03	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-01-27	
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.78288 / -121.65929	Accuracy:	specific area				
UTM:	Zone-10 N4071625 E619633	Elevation (ft):	250				
PLSS:	T13S, R03E, Sec. 20 (M)	Acres:	30.0				
Location:	JUST NE OF PRUNEDALE, BETWEEN PESANTE CANYON AND BERTA CANYON.						
Detailed Location:	SEVERAL COLONIES MAPPED ALONG EAST-WEST TENDING RIDGES JUST NE OF PRUNEDALE, DUE EAST OF 101 AND SOUTH OF BERTA CANYON.						
Ecological:	MARITIME CHAPARRAL ON SANDSTONE ROCK OUTCROP AND S-FACING SLOPES. OTHER RARE SPP INCLUDE ARCTOSTAPHYLOS HOOKERI, A. PAJAROENSIS, CHORIZANTHE PUNGENS, ERICAMERIA FASCICULATA, LOMATIUM PARVIFLORUM, AND PIPERIA MICHAELII.						
General:	POPULATION NUMBERS FOR PORTIONS OF OCCURRENCES: 3500+ PLANTS SEEN IN 2004, 15 PLANTS IN 2005, 2000 PLANTS SEEN IN 2007, UNKNOWN NUMBER IN 2013 AND 2014.						
Owner/Manager:	PVT						
Occurrence No.	31	Map Index:	B1247	EO Index:	113142	Element Last Seen:	2017-06-12
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2017-06-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-10-25	
Quad Summary:	Prunedale (3612176)						
County Summary:	Monterey						
Lat/Long:	36.80707 / -121.69112	Accuracy:	specific area				
UTM:	Zone-10 N4074269 E616755	Elevation (ft):	350				
PLSS:	T13S, R02E, Sec. 13, NE (M)	Acres:	15.0				
Location:	WHITEHEAD PROPERTY, JUST NORTH OF MANZANITA REGIONAL PARK.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO 2017 NEUBAUER COORDINATES, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 13 AND THE NORTH 1/2 OF THE NW 1/4 OF SECTION 18.						
Ecological:	GENERALLY IN OPENINGS IN ARCTOSTAPHYLOS HOOKERI SSP. HOOKERI MARITIME CHAPARRAL OR UNDER QUERCUS AGRIFOLIA VAR. AGRIFOLIA. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, HETEROMELES ARBUTIFOLIA, ERIOPHYLLUM CONFERTIFLORUM, ETC.						
General:	REPORTED FROM THE WHITEHEAD PROPERTY BY VAN DYKE (2005). IN 2017, EASTERN POLYGON HAD ABOUT 7 PLANTS AND WESTERN POLYGON HAD ABOUT 76 PLANTS.						
Owner/Manager:	PVT?						



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Occurrence No.	36	Map Index:	A3337	EO Index:	105039	Element Last Seen:	2008-06-26
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2008-06-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-01-18	

Quad Summary:	Prunedale (3612176)		
County Summary:	Monterey		

Lat/Long:	36.79851 / -121.63799	Accuracy:	specific area
UTM:	Zone-10 N4073386 E621508	Elevation (ft):	490
PLSS:	T13S, R03E, Sec. 16, SE (M)	Acres:	1.0

Location:	19260 REAVIS WAY, OFF THE SOUTH SIDE OF VIERRA CANYON ROAD, PRUNEDALE.
Detailed Location:	
Ecological:	MARITIME CHAPARRAL. ASSOCIATES IN IMMEDIATE AREA INCLUDE ARCTOSTAPHYLOS HOOKERI AND ADENOSTOMA FASCICULATUM. MOST OF THE PARCEL IS DOMINATED BY ARCTOSTAPHYLOS PAJAROENSIS.
General:	ABOUT 250 VEGETATIVE PLANTS OBSERVED IN MARCH OF 2008, FEWER THAN 10 OF THOSE PLANTS WERE OBSERVED BLOOMING IN JUNE OF 2008.
Owner/Manager:	PVT



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<i>Puccinellia simplex</i>		Element Code: PMPOA53110	
California alkali grass			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G3
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive		
Habitat:	General: MEADOWS AND SEEPS, CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLANDS, VERNAL POOLS.		
	Micro: ALKALINE, VERNALLY MESIC. SINKS, FLATS, AND LAKE MARGINS. 1-915 M.		





Occurrence No.	31	Map Index: 53706	EO Index: 100183	Element Last Seen:	1992-04-09
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1992-04-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-01-08
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Clara				
Lat/Long:	36.93168 / -121.5874		Accuracy:	2/5 mile	
UTM:	Zone-10 N4088226 E625804		Elevation (ft):	340	
PLSS:	T11S, R03E, Sec. 36 (M)		Acres:	280.0	
Location:	NORTH OF TAR CREEK, ABOUT 4.5 MILES SOUTH OF GILROY, SANTA CRUZ MOUNTAINS.				
Detailed Location:	MAPPED MOSTLY WITHIN THE SE 1/4 OF SECTION 36 ACCORDING TO A VAGUE 1992 PRESTON MAP.				
Ecological:	IN SEEP/SPRING WITH HORDEUM DEPRESSUM AND ELEOCHARIS. THE RARE CASTILLEJA RUBICUNDULA VAR. RUBICUNDULA ALSO SEEN AT THIS SITE.				
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1992.				
Owner/Manager:	PVT				




Occurrence No.	32	Map Index: 98719	EO Index: 100185	Element Last Seen:	2006-05-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2006-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-01-07
Quad Summary:	Chittenden (3612185)				
County Summary:	Santa Cruz				
Lat/Long:	36.90766 / -121.60417		Accuracy:	2/5 mile	
UTM:	Zone-10 N4085538 E624349		Elevation (ft):	200	
PLSS:	T12S, R03E, Sec. 11, NE (M)		Acres:	280.0	
Location:	SODA LAKE AND IN VALLEY TO THE EAST OF SODA LAKE.				
Detailed Location:	MAPPED AS BEST GUESS BY CNDDDB AROUND SODA LAKE AND OPEN AREA JUST TO THE EAST. BASED ON TWO COLLECTIONS FROM SODA LAKE AND "IN VALLEY EAST OF SODA LAKE."				
Ecological:	GROWING WITH P. NUTTALLIANA. HABITAT IS "FULL OF LOCAL RARITIES."				
General:	SITE IS BASED ON 2004 AND 2006 COLLECTIONS BY MORGAN.				
Owner/Manager:	UNKNOWN				







Search Results


38 matches found. Click on scientific name for details

Search Criteria: [CRPR](#) is one of [1A:1B:2A:2B] [Fed List](#) is one of [FE:FT:FC:FD:None] or [State List](#) is one of [CE:CT:CR:CE:CT:4:None] , [Quad](#) is one of [3612185:3712116:3712115:3712114:3612184:3612186:3612176:3612175:3612174]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK	PHOTO
<u><i>Arctostaphylos andersonii</i></u>	Anderson's manzanita	Ericaceae	perennial evergreen shrub	Nov-May	None	None	G2	S2	1B.2	 © 2018 Jason Matthias Mills
<u><i>Arctostaphylos hookeri</i> ssp. <i>hookeri</i></u>	Hooker's manzanita	Ericaceae	perennial evergreen shrub	Jan-Jun	None	None	G3T2	S2	1B.2	 © 2011 Chris Winchell
<u><i>Arctostaphylos pajaroensis</i></u>	Pajaro manzanita	Ericaceae	perennial evergreen shrub	Dec-Mar	None	None	G1	S1	1B.1	No Photo Available
<u><i>Astragalus tener</i> var. <i>tener</i></u>	alkali milk-vetch	Fabaceae	annual herb	Mar-Jun	None	None	G2T1	S1	1B.2	No Photo Available
<u><i>Balsamorhiza macrolepis</i></u>	big-scale balsamroot	Asteraceae	perennial herb	Mar-Jun	None	None	G2	S2	1B.2	 ©1998 Dean Wm. Taylor
<u><i>Campanula exigua</i></u>	chaparral harebell	Campanulaceae	annual herb	May-Jun	None	None	G2	S2	1B.2	No Photo Available
<u><i>Castilleja rubicundula</i> var. <i>rubicundula</i></u>	pink creamsacs	Orobanchaceae	annual herb (hemiparasitic)	Apr-Jun	None	None	G5T2	S2	1B.2	 ©2010 Vernon Smith
<u><i>Centromadia parryi</i> ssp. <i>congdonii</i></u>	Congdon's tarplant	Asteraceae	annual herb	May-Oct(Nov)	None	None	G3T1T2	S1S2	1B.1	No Photo Available
<u><i>Chorizanthe pungens</i> var. <i>pungens</i></u>	Monterey spineflower	Polygonaceae	annual herb	Apr-Jun(Jul-Aug)	FT	None	G2T2	S2	1B.2	No Photo Available

<u><i>Cirsium fontinale</i></u> var. <u><i>campylon</i></u>	Mt. Hamilton thistle	Asteraceae	perennial herb	(Feb)Apr-Oct	None	None	G2T2	S2	1B.2	No Photo Available
<u><i>Collinsia multicolor</i></u>	San Francisco collinsia	Plantaginaceae	annual herb	(Feb)Mar-May	None	None	G2	S2	1B.2	No Photo Available
<u><i>Cordylanthus rigidus</i></u> ssp. <u><i>littoralis</i></u>	seaside bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	Apr-Oct	None	CE	G5T2	S2	1B.1	No Photo Available
<u><i>Deinandra halliana</i></u>	Hall's tarplant	Asteraceae	annual herb	(Mar)Apr-May	None	None	G3	S3	1B.1	No Photo Available
<u><i>Delphinium californicum</i></u> ssp. <u><i>interius</i></u>	Hospital Canyon larkspur	Ranunculaceae	perennial herb	Apr-Jun	None	None	G3T3	S3	1B.2	No Photo Available
<u><i>Dudleya abramsii</i></u> ssp. <u><i>setchellii</i></u>	Santa Clara Valley dudleya	Crassulaceae	perennial herb	Apr-Oct	FE	None	G4T2	S2	1B.1	No Photo Available
<u><i>Ericameria fasciculata</i></u>	Eastwood's goldenbush	Asteraceae	perennial evergreen shrub	Jul-Oct	None	None	G2	S2	1B.1	No Photo Available
<u><i>Eriogonum nortonii</i></u>	Pinnacles buckwheat	Polygonaceae	annual herb	(Apr)Aug(Sep)May-Jun	None	None	G2	S2	1B.3	No Photo Available
<u><i>Eryngium aristulatum</i></u> var. <u><i>hooveri</i></u>	Hoover's button-celery	Apiaceae	annual/perennial herb	(Jun)Jul(Aug)	None	None	G5T1	S1	1B.1	No Photo Available
<u><i>Extriplex joaquinana</i></u>	San Joaquin spearscale	Chenopodiaceae	annual herb	Apr-Oct	None	None	G2	S2	1B.2	No Photo Available
<u><i>Fritillaria liliacea</i></u>	fragrant fritillary	Liliaceae	perennial bulbiferous herb	Feb-Apr	None	None	G2	S2	1B.2	 © 2004 Carol W. Witham
<u><i>Hoita strobilina</i></u>	Loma Prieta hoita	Fabaceae	perennial herb	May-Jul(Aug-Oct)	None	None	G2?	S2?	1B.1	 © 2004 Janel Hillman
<u><i>Holocarpa macradenia</i></u>	Santa Cruz tarplant	Asteraceae	annual herb	Jun-Oct	FT	CE	G1	S1	1B.1	 © 2011 Dylan

<u><i>Horkelia cuneata</i></u> var. <u><i>sericea</i></u>	Kellogg's horkelia	Rosaceae	perennial herb	Apr-Sep	None	None	G4T1?	S1?	1B.1	 © 2018 Neal Kramer
<u><i>Legenere limosa</i></u>	legenere	Campanulaceae	annual herb	Apr-Jun	None	None	G2	S2	1B.1	 ©2000 John Game
<u><i>Lessingia micradenia</i></u> var. <u><i>glabrata</i></u>	smooth lessingia	Asteraceae	annual herb	(Apr-Jun)Jul-Nov	None	None	G2T2	S2	1B.2	 © 2015 Aaron Schusteff
<u><i>Malacothamnus aboriginum</i></u>	Indian Valley bush-mallow	Malvaceae	perennial deciduous shrub	Apr-Oct	None	None	G3	S3	1B.2	 © 2009 Keir Morse
<u><i>Malacothamnus arcuatus</i></u>	arcuate bush-mallow	Malvaceae	perennial deciduous shrub	Apr-Sep	None	None	G2Q	S2	1B.2	 © 2017 Keir Morse
<u><i>Monolopia gracilens</i></u>	woodland woollythreads	Asteraceae	annual herb	(Feb)Mar-Jul	None	None	G3	S3	1B.2	 © 2016 Richard Spellenberg
<u><i>Navarretia prostrata</i></u>	prostrate vernal pool navarretia	Polemoniaceae	annual herb	Apr-Jul	None	None	G2	S2	1B.2	No Photo Available
<u><i>Penstemon rattanii</i></u> var. <u><i>kleei</i></u>	Santa Cruz Mountains beardtongue	Plantaginaceae	perennial herb	May-Jun	None	None	G4T2	S2	1B.2	No Photo Available
<u><i>Pinus radiata</i></u>	Monterey pine	Pinaceae	perennial evergreen tree		None	None	G1	S1	1B.1	No Photo Available
<u><i>Piperia yadonii</i></u>	Yadon's rein orchid	Orchidaceae	perennial herb	(Feb)May-Aug	FE	None	G1	S1	1B.1	No Photo Available
<u><i>Plagiobothrys diffusus</i></u>	San Francisco popcornflower	Boraginaceae	annual herb	Mar-Jun	None	CE	G1Q	S1	1B.1	No Photo Available
<u><i>Plagiobothrys</i></u>	hairless	Boraginaceae	annual herb	Mar-May	None	None	GX	SX	1A	

<i>glaber</i>	popcornflower										No Photo Available
<i>Puccinellia simplex</i>	California alkali grass	Poaceae	annual herb	Mar-May	None	None	G3	S2	1B.2		No Photo Available
<i>Rosa pinetorum</i>	pine rose	Rosaceae	perennial shrub	May-Jul	None	None	G2	S2	1B.2		No Photo Available
<i>Streptanthus albidus ssp. peramoenus</i>	most beautiful jewelflower	Brassicaceae	annual herb	(Mar)Apr-Sep(Oct)	None	None	G2T2	S2	1B.2		© 1994 Robert E. Preston, Ph.D.
<i>Trifolium hydrophilum</i>	saline clover	Fabaceae	annual herb	Apr-Jun	None	None	G2	S2	1B.2		No Photo Available

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