

Appendix B:
Biological Resources Report



**GENERAL BIOLOGICAL ASSESSMENT
AND
WESTERN RIVERSIDE COUNTY MSHCP
CONSISTENCY ANALYSIS
FOR
APNs 418-160-006 & 418-122-021**

**CITY OF BEAUMONT
RIVERSIDE COUNTY, CALIFORNIA**

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FEBRUARY 2022

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1.0 Introduction

HES was contracted to prepare a general biological assessment (GBA) and Western Riverside County MSHCP consistency analysis for Assessor's Parcel Numbers (APNs) 418-160-006 and 418-122-021. The project site consists of approximately 1.33 acres located on the east side of Pennsylvania Avenue, and south of East 6th Street, in the City of Beaumont, Riverside County, California.

1.1 Project Area

The project site is located west of Pennsylvania Avenue, east of Massachusetts Avenue, south of East 6th Street, and north of the Interstate-10 Freeway in the City of Beaumont, within Riverside County, California. The project site consists of Riverside County APNs 418-160-006 and 418-122-021. Specifically, the project site is located within Sections 10, Township 3 South, Range 1 West of the *Beaumont* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude for the project site are 33°55'41.2160" North and 116°57'59.2369" West. Refer to Figures 1 and 2.

1.2 Project Description

The proposed project consists of the new construction of a service station with 12 fueling stations, a 2,295 square foot (SF) automatic drive-thru carwash, a 3,400 SF convenience store, and a 1,292 SF quick service restaurant, with associated parking lots and roadways. The proposed project will provide a total of 49 parking spaces. Vehicular access to the site will be provided via one full-access, un-signalized driveway on Pennsylvania Avenue. The proposed project also includes a right of way dedication along the southern border of the project site. The proposed development will impact the entire 1.33-acre site. Refer to Figure 3.

1.3 Covered Roads

Pennsylvania Avenue borders the eastern site boundary. According to the MSHCP Transportation and Covered Roads, Pennsylvania Avenue is considered a secondary road. Although the proposed project does include the construction of two full-access driveways from Pennsylvania Avenue, the project does not involve the construction of, or improvements to Pennsylvania Avenue. Therefore, the proposed project will not result in the construction of, or improvements to MSHCP Covered Roads.

1.4 Covered Public Access Activities

The proposed project does not involve the construction of, or improvements to, Covered Public Access Activities, including trails, facilities, and passive recreational activities.

2.0 Methodology

2.1 Literature Review

HES conducted a literature review and reviewed aerial photographs and topographic maps of the project site and surrounding areas. A five-mile radius was used to identify sensitive species with the California Natural Diversity Data Base (CNDDDB), the U.S. Fish and Wildlife Service (USFWS) Endangered Species Lists, and the California Native Plant Society (CNPS) rare plant lists to obtain species information for the project area. The CNDDDB and USFWS critical habitat databases were utilized, together with Geographic Information System (GIS) software, to locate the previously recorded locations of sensitive plant and wildlife occurrences and designated critical habitat and determine the distance from the project site. Additionally, the Western Riverside County MSHCP was reviewed for information on species survey requirements within Riverside County.

2.1.1 Western Riverside County MSHCP

The Western Riverside County MSHCP (Dudek and Associates 2003) is a comprehensive, multijurisdictional habitat conservation planning program for western Riverside County, California. The purpose of the Western Riverside County MSHCP is to preserve native habitats, and to this end, the plan focuses upon the habitat needs of multiple species rather than one species at a time. The Western Riverside County MSHCP provides coverage/take authorization for some species listed under the federal or state Endangered Species Act (ESA) as well as non-listed special-status plant and wildlife species. It also provides mitigation for impacts to special-status species and their associated habitats.

Through agreements with the USFWS and California Department of Fish and Wildlife (CDFWG), 129 listed and special-status plant and animal species receive some level of coverage under the Western Riverside County MSHCP. Of the 129 covered species, the majority have no additional survey needs or conservation requirements. Furthermore, the Western Riverside County MSHCP provides mitigation for project-specific impacts to these species, thereby reducing the degree of impact to below a level of significance, pursuant to the California Environmental Quality Act (CEQA).

Several of the species covered under the Western Riverside County MSHCP have additional survey requirements. These include the riparian communities and associated species addressed in Section 6.1.2 of the Western Riverside County MSHCP document (“Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools”), plants identified in Section 6.1.3 (“Narrow Endemic Plant Species”); and plants and animal species addressed in Section 6.3.2 (“Additional Survey Needs and Procedures”).

2.1.2 Project Relationship to the Western Riverside County MSHCP

The project area is located within the Western Riverside County MSHCP boundaries. The City of Beaumont, acting as the lead agency for the proposed project, is a permittee under the Western Riverside County MSHCP and, therefore, is afforded coverage under the state or federal ESAs for impacts to listed species covered by the plan. The City is required to document consistency with the Western Riverside County MSHCP in conjunction with any discretionary approvals for the project. As such, this report was prepared to provide all necessary information required to determine project consistency with the Western Riverside County MSHCP.

The project site is located within the Pass Area Plan of the Western Riverside County MSHCP. The project site is not located within a Criteria Cell or Cell Group. Further, the project site is not located within any plan-defined areas requiring surveys.

2.2 Field Survey

On March 6, 2020, HES biologist, Elizabeth Gonzalez, conducted a field survey of the project site. The ambient temperature at 8:20 a.m. was 64 degrees Fahrenheit, partly cloudy, with winds ranging from one to four miles per hour. The purpose of the field survey was to document the existing habitat conditions, obtain plant and animal species information, view the surrounding land uses, assess the potential for state and federal waters, assess the potential for wildlife movement corridors, and assess the presence of constituent elements for critical habitat, if present.

Linear transects spaced approximately 50 to 100 feet apart were walked across the project site for 100 percent coverage. All species observed were recorded. Global Positioning System (GPS) waypoints were taken to delineate specific habitat types, species locations, state or federal waters, and any other information that would be useful for the assessment of the project site. A comprehensive list of all plant and wildlife species that were detected during the field survey within the project site is included in Appendix A. Sensitive plant and wildlife species with the potential to occur within the project area are listed in Appendix B. Representative site photographs were taken and are included within Appendix C.

3.0 Existing Conditions and Results

3.1 Environmental Setting

The project site consists of relatively flat, vacant land located within an urbanized area. The project site is dominated by disturbed, ruderal habitat and ornamental trees. The site appears to be continually disturbed by weed abatement and cars pulling off Pennsylvania Avenue along the eastern side of the site and driving on the site. Onsite elevations range from 2,601 feet above mean sea-level (amsl) to 2,611 feet amsl. A man-made 48-inch storm drain intake structure, which captures nuisance flows from the Interstate-10 Freeway and the adjacent hillside irrigation, is located on the eastern site boundary. An erosional feature cut by these nuisance flows is located

within the southeastern portion of the site. The project site is surrounded by vacant land to the north; residential uses to the west; Pennsylvania Avenue and vacant land to the east; and, the Interstate -10 Freeway to the south.

3.2 Soils

According to the USDA Web Soil Survey, soils at the project site are classified as Ramona sandy loams (RaB2), 2 to 5 percent slopes, eroded (Appendix D).

3.3 Vegetation Mapping

The project site contains two habitat types including approximately one acre of ruderal habitat and approximately 0.33 acre of ornamental trees (Figure 4).

Ruderal

The project site contains approximately one acre of ruderal habitat. This habitat appears to be continually disturbed by weed abatement activities and cars pulling off Pennsylvania Avenue along the eastern side of the site and driving on the site. This habitat is primarily dominated by non-native grasses. Species observed within these areas include: common fiddleneck (*Amsinckia intermedia*), black mustard (*Brassica nigra*), horseweed (*Erigeron bonariensis*), big heron bill (*Erodium botrys*), and foxtail barely (*Hordeum murinum*).

Ornamental trees

The project site contains approximately 0.33 acre of scattered ornamental trees, including tree of heaven (*Ailanthus altissima*), China berry tree (*Melia azedarach*), and almond (*Prunus dulcis*).

3.4 Wildlife

General wildlife species documented on the project site or within the vicinity of the site include house sparrow (*Passer domesticus*), house finch (*Carpodacus mexicanus*), western side blotched lizard (*Uta stansburiana elegans*), mourning dove (*Zenaida macroura*), common raven (*Corvus corax*), and American crow (*Corvus brachyrhynchos*). The complete list of species observed is included in Appendix A.

3.5 Regional Connectivity/Wildlife Movement

Wildlife movement corridors can be local or regional in scale; their functions may vary temporally and spatially based on conditions and species present. Wildlife corridors represent areas where wildlife movement is concentrated due to natural or anthropogenic constraints. Local corridors provide access to resources such as food, water, and shelter. Animals use these corridors, which are often hillsides or riparian areas, to move between different habitats. Regional corridors provide

these functions and link two or more large habitat areas. They provide avenues for wildlife dispersal, migration, and contact between otherwise distinct populations.

The project site is not located within a designated wildlife corridor or linkage. The project area was evaluated for its function as a wildlife corridor that species use to move between wildlife habitat zones. The project site consists of flat, vacant land characterized by disturbed habitat. Further, the project site is located in an urbanized area surrounded by residential and commercial uses and busy roadways. No wildlife movement corridors were found to be present on the project site.

3.6 Sensitive Biological Resources

According to the CNDDDB, a total of 65 sensitive species of plants and 56 sensitive species of animals have the potential to occur on or within the vicinity of the project area. These include those species listed or candidates for listing by the U. S. Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW) and California Native Plant Society (CNPS). All habitats with the potential to be used by sensitive species were evaluated during the site visit and a determination has been made for the presence or probability of presence within this report. This section will address those species listed as Candidate, Rare, Threatened, or Endangered under the state and federal endangered species laws or directed to be evaluated under the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP). Sensitive species which have a potential to occur will also be discussed in this section. Other special status species are addressed within Appendix B.

3.6.1 Sensitive Plant Resources

A total of 16 plant species are listed as state and/or federal Threatened, Endangered, or Candidate species; are required to be reviewed under the Narrow Endemic Plant section of the Western Riverside MSHCP; are 1B.1 listed plants on the CNPS Rare Plant Inventory; or have been found to have a potential to exist on the project site. Below are descriptions of these species:

Chaparral sand-verbena

Chaparral sand-verbena (*Abronia villosa* var. *aurita*) is ranked 1B.1 in the CNPS rare plant inventory. It is found in sandy areas of chaparral, coastal scrub, and desert dunes habitats. No habitat for this species is present on the project site. **This species is considered absent.**

Horn's milk-vetch

Horn's milk-vetch (*Astragalus hornii* var. *hornii*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitats include alkali playa meadows, seeps, and wetlands. No habitat for this species is present on the project site. **This species is considered absent.**

Jaeger's milk-vetch

Jaeger's milk-vetch (*Astragalus pachypus* var. *jaegeri*) is ranked 1B.1 in the CNPS rare plant inventory. It is often found in dry ridges and valleys and open sandy slopes. Its habitat includes coastal scrub, chaparral, valley and foothill grassland, and cismontane woodland. No habitat for this species is present on the project site. **This species is considered absent.**

San Jacinto Valley crownscale

San Jacinto Valley crownscale (*Atriplex coronata* var. *notatior*) is a federally endangered species and is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes playas, valley and foothill grassland, and vernal pools. No habitat for this species is present on the project site. **This species is considered absent.**

Parish's brittlescale

Parish's brittlescale (*Atriplex parishii*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes shadescale scrub, alkali sink, riparian, playas, vernal pools and wetland. No habitat for this species is present on the project site. **This species is considered absent.**

Thread-leaved brodiaea

The thread-leaved brodiaea (*brodiaea filifolia*) is a federally threatened, state endangered and a CNPS 1B.1 listed plant. It is found in chaparral, cismontane woodlands, coastal sage scrub, valley and foothill grasslands, vernal pools and wetland. No habitat for this species is present on the project site. **This species is considered absent.**

Smooth tarplant

Smooth tarplant (*Centromadia pungens* ssp. *laevis*) is ranked 1B.1 in the CNPS rare plant inventory. The species occurs in habitats that include alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, and valley and foothill grasslands. No habitat for this species is present on the project site. **This species is considered absent.**

Parry's spineflower

Parry's spineflower (*Chorizanthe parryi* var. *parryi*) is ranked 1B.1 in the CNPS rare plant inventory. The species occurs in dry, sandy soils on dry slopes and flats, sometimes at the interface of two vegetations types, such as chaparral and oak woodland. Its habitat includes coastal scrub, chaparral, cismontane woodland, valley and foothill grassland. No habitat for this species is present on the project site. **This species is considered absent.**

Mojave tarplant

Mojave tarplant (*Deinandra mohavensis*) is a state listed endangered species. Its habitat includes chaparral, coastal sage scrub, and riparian scrub. No habitat for this species exists on the project site. **This species is considered absent.**

Slender-horned spineflower

Slender - horned spineflower (*Dodecahema leptoceras*) is a federally and state listed endangered species and is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes chaparral, cismontane woodland, and coastal scrub (alluvial fan sage scrub). No habitat for this species exists on the project site. **This species is considered absent.**

Santa Ana River Woollystar

Santa Ana River woollystar (*Eriastrum densifolium ssp. sanctorum*) is a federally and state listed endangered species and is ranked 1B.1 in the CNPS rare plant inventory. It is typically found in sandy soils on river floodplains or terraced fluvial deposits. Its habitat includes chaparral and coastal scrub. No habitat for this species is present on the project site. **This species is considered absent.**

Mesa horkelia

Mesa horkelia (*Horkelia cuneata var. puberula*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes chaparral, cismontane woodland, and coastal scrub. No habitat for this species is present on the project site. **This species is considered absent.**

Coulter's goldfields

Coulter's goldfields (*Lasthenia glabrata ssp. coulteri*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes alkali playas, marsh, swamp, salt marsh, vernal pool, and wetland. No habitat for this species is present on the project site. **This species is considered absent.**

Spreading navarretia

Spreading navarretia (*Navarretia fossalis*) is a federally listed threatened species and is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes alkali playa, chenopod scrub, marsh and swamp, vernal pools, and wetlands. This species is typically found in swales and vernal pools, often surrounded by other habitat types. No habitat for this species is present on the project site. **This species is considered absent.**

Parish's checkerbloom

Parish's checkerbloom (*Sidalcea hickmanii ssp. parishii*) is state listed rare. It is found in meadows and seeps, riparian woodland, and lower and upper montane coniferous forest. No habitat for this species is present on the project site. **This species is considered absent.**

California dandelion

California dandelion (*Taraxacum californicum*) is a federally listed endangered species and is ranked 1B.1 in the CNPS rare plant inventory. It is found in mesic meadows that are usually free of taller vegetation. Its habitat includes meadow and seep, and wetland. No habitat for this species is present on the project site. **This species is considered absent.**

3.6.2 Sensitive Animal Resources

A total of 9 animal species are listed as state and/or federal Threatened, Endangered, Candidate will be reviewed in this section. Sensitive species which have a potential to occur will also be discussed in this section. All sensitive species within a 5-mile radius of project area were reviewed and a complete list of those species are discussed within Appendix B. Below are descriptions of these species:

Tricolored blackbird

Tricolored blackbird (*Agelaius tricolor*) is state listed as threatened and listed by the CDFW as a species of special concern. The species occupies freshwater marshes with canopies of willows and other riparian trees. This species requires open accessible water and suitable foraging space. There is no habitat for this species on the project site. **This species is considered absent.**

Swainson's hawk

Swainson's hawk (*Buteo swainsoni*) is a state listed threatened species. This species favors open grasslands for foraging but also occurs in agricultural settings. It relies on scattered stands of trees near agricultural fields and grasslands for nesting sites. Its habitats include great basin grassland, riparian forest, riparian woodland, and valley and foothill grassland. The project site does not contain suitable habitat for this species. **This species is considered absent.**

Southern rubber boa

Southern-rubber boa (*Charina umbratical*) is a state listed threatened species. Its habitat includes meadow and seep, riparian forest, riparian woodland, upper montane coniferous forest, and wetland. This species is typically found near streams or wet meadows, and requires loose, moist soil for burrowing. It seeks cover in rotting logs, rock outcrops, and under surface litter. It is known to be found in the San Bernardino and San Jacinto mountains and has been reported to be found in other areas, but further research is required. The project site does not contain suitable habitat for this species. **This species is considered absent.**

San Bernardino kangaroo rat

San Bernardino kangaroo rat (*Dipodomys merriami parvus*) is a federally listed endangered, state listed candidate endangered species, and a CDFW Species of Special Concern. It is found in coastal scrub habitat. This species is found in alluvial scrub vegetation on sandy loam substrates, characteristic of alluvial fans and flood plains. It needs early to intermediate seral stages. The project site does not contain suitable habitat for this species. **This species is considered absent.**

Stephen's kangaroo rat

Stephens' kangaroo rat (*Dipodomys stephensi*) is a federally listed endangered, state listed threatened, and a CDFW endangered species. This species is found in coastal sage scrub with sparse vegetation cover, and in valley and foothill grasslands. This species prefers buckwheat, chamise, brome grass, and filaree and will burrow into firm soil. The project site does not contain suitable habitat for this species. **This species is considered absent.**

Southwestern willow flycatcher

Southwestern willow flycatcher (*Empidonax traillii extimus*) is a federally and state listed endangered species. It is found in riparian woodland habitat in southern California. The project site does not contain suitable habitat for this species. **This species is considered absent.**

Coastal California gnatcatcher

Coastal California gnatcatcher (*Polioptila californica californica*) is a federally listed threatened species and CDFW Species of Special Concern. This species is found in coastal bluff scrub and coastal scrub habitat. This species is typically found in low, coastal sage scrub in arid washes, on mesas and slopes. The project site does not contain suitable habitat for this species. **This species is considered absent.**

Southern mountain yellow-legged frog

Southern mountain yellow-legged frog (*Rana muscosa*) is a federally and state listed endangered species. It is found in aquatic habitat. This species is always encountered within a few feet of water. Tadpoles may require two to four years to complete their aquatic development. The project site does not contain suitable habitat for this species. **This species is considered absent.**

Least Bell's vireo

Least Bell's vireo (*Vireo bellii pusillus*) is a federal and state listed endangered species. This species is found in riparian forest, riparian scrub, and riparian woodland. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams. No suitable habitat for this species is present on the project site. **This species is considered absent.**

Burrowing Owl

Burrowing (*Athene cunicularia*) is a CDFW Species of Special Concern and an MSHCP covered species. It lives in dry open areas with no trees and short grass. The project site consists of disturbed habitat dominated by non-native grasses and about 25 ornamental trees. The site is surrounded by human activity including busy roadways, commercial uses, and residences with roaming pet cats. No mammal burrows suitable for BUOW were observed within the project site boundaries. Further, no BUOW or BUOW sign were observed during the survey and no burrows with the potential to support BUOWs were found. **This species is considered absent.**

3.6.3 Nesting Birds

Migratory non-game native bird species are protected under the federal Migratory Bird Treaty Act. Additionally, Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds and their active nests. The project site contains trees that can support nesting songbirds or raptors. The .335 acre of ornamental trees is considered habitat that can be utilized by nesting birds and raptors during the nesting bird season of February 1 through September 15.

3.7 Jurisdictional Waters

A man-made 48-inch storm drain intake structure, which captures nuisance flows from the Interstate-10 Freeway and the adjacent hillside irrigation, is located on the eastern site boundary. An erosional feature cut by these nuisance flows is located within the southeastern portion of the site. The onsite erosional feature is not connected to a natural stream, nor does it divert natural flow from any river, stream or lake. Since the source of the water for this erosional feature is nuisance flow from the Interstate-10 Freeway and the adjacent hillside irrigation and the feature is not part of a natural stream, river, or lake, this feature is not considered jurisdictional under the CDFW Lake and Streambed Alteration Program. The program states: *“An entity shall not substantially divert or obstruct the natural flow of, or substantially change or use any material from the bed, channel, or bank of, any river, stream, or lake, or deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake...”*. Therefore, the erosional feature on the project site is not a “natural flow” of a stream, river, or lake, and would not be considered jurisdictional by CDFW. Further, any collection of water in this erosional feature would not be categorized as artificial or seasonal wetlands or vernal pools and the project site does not contain any riparian or riverine features.

In addition, the onsite erosional feature would not be considered Waters of the United States regulated by the United States Army Corps of Engineers (USACE). The USACE regulates “discharge of dredged or fill material” into wetlands and waters of the United States, which includes tidal waters, interstate waters, and “all other waters, interstate lakes, rivers, streams (including intermittent streams), mud flats, sand flats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes or natural ponds, the use, degradation, or destruction of which could affect interstate or foreign commerce or which are tributaries to waters subject to the ebb and flow of the tide” (33 C.F.R. 328.3(a)), pursuant to provisions of Section 404 of the Clean Water Act (CWA). The onsite erosional feature lacks a significant nexus, therefore, USACE and RWQCB would not have jurisdiction over the feature pursuant to Section 401 and 404 of the CWA. Because the erosional feature is not a natural flow and lacks a significant nexus it is considered a storm water feature. Impacts to the storm water feature will be regulated by the National Pollutant Discharge Elimination System (NPDES) storm water program.

In accordance with Porter-Cologne (Water Code, § 13000 et seq.), the Water Boards are authorized to regulate discharges of waste, which includes discharges of dredged or fill material, that may

affect the quality of waters of the state. The Water Code defines waters of the state broadly to include “any surface water or groundwater, including saline waters, within the boundaries of the state.” The erosional feature on site would be considered Waters of the State, jurisdictional to RWQCB, under the Porter-Cologne Water Quality Control Act. However, waste discharge requirements (WDR) under Porter-Cologne are not issued for discharges of dredged or fill material to waters of the state that “discharge into a community sewer system”. The erosional feature on site leads to a man-made storm water intake feature and would not be subject to WDR under Porter-Cologne. Impacts to the storm water feature will be regulated by the NPDES storm water program.

4.0 Project Impacts

4.1 Impacts to Habitats

The proposed project is expected to impact the entire 1.33-acre project site, that includes 1.0 acre of disturbed habitat and 0.33 acre of ornamental trees (Figure 5).

4.2 Impacts to Sensitive Species

The project site does not contain suitable habitat for any of the sensitive species that according to CNDDDB have the potential to occur on or in the vicinity of the project site. The project site is a flat lot with mostly disturbed habitat that is surrounded by busy roadways and residential homes. Therefore, no impacts to sensitive species are expected to occur.

4.3 Impacts to Nesting Birds

The 0.33 acres of ornamental trees can be used by nesting song birds or raptors during the nesting bird season of February 1 to September 15. Potential impacts to nesting birds may occur if ground disturbing activities or vegetation removal occur during the bird nesting season. Implementation of the measures identified in Recommendations section of this report will ensure that potential impacts to nesting birds are less than significant.

4.4 Impacts to Critical Habitat

The project site is not located within or adjacent to any designated federal critical habitats. No impact to critical habitat would occur.

4.5 Impacts to Wildlife Movement Corridors

Wildlife movement corridors link together areas of suitable habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbances. The project site was evaluated for its function as a wildlife corridor that species would use to move between wildlife habitat zones. Usually mountain canyons or riparian corridors are used by wildlife as corridors; the project site is flat and does not contain these features. Since the project site is mostly disturbed habitat and

surrounded by human activity no wildlife movement corridors were found to be present on the project site. No impacts to wildlife movement corridors is expected.

4.6 Conflict with Local Policies or Ordinances Protecting Biological Resources

Any project activities that have the potential to impact onsite trees will require a survey of oak and native trees to comply with Riverside County Ordinance 559. No oak or native trees are located on the project site.

4.7 Conflict with the Provisions of an Adopted Habitat Conservation Plan, Natural Community Conservation Plan, or Other Approved Local, Regional, or State Habitat Conservation Plan

The project is within the Western Riverside MSHCP. If Western Riverside MSHCP guidelines and requirements are followed, no conflicts are expected.

4.8 State and Federal Drainages

As stated in Section 3.7, the project site does not contain any natural drainage, riparian, or riverine features. There are no CDFW or USACE jurisdictional waters subject to the Department of Fish and Game Code (DFGC) or CWA. The erosional feature on site would be considered Waters of the State, jurisdictional to RWQCB, under the Porter-Cologne Water Quality Control Act. Because the erosional feature “discharges into a community sewer system” it would not be subject to WDR under Porter-Cologne. Impacts to the storm water feature will be regulated by the NPDES storm water program.

5.0 Western Riverside County MSHCP Consistency Analysis

5.1 Reserve Assembly Analysis

The project site is located within the Pass Area Plan of the Western Riverside County MSHCP. The project site is not located within a Criteria Cell or Cell Group. Further, the project site is not located within any planned defined areas requiring surveys for amphibians, mammals, or narrow endemic plant species, criteria area plant species, and is not within the Western Riverside County MSHCP burrowing owl (*Athene cunicularia*) survey area.

5.2 Public Quasi Public Lands

The project site is not located within or adjacent to a Western Riverside County MSHCP Public/Quasi-Public (PQP) lands. The nearest PQP lands are located approximately 2.25 miles to the south and southeast. Therefore, the proposed project will not directly or indirectly impact PQP lands.

5.3 Protection of Species Associated with Riparian/Riverine Habitat and Vernal Pools (Section 6.1.2)

The project site does not contain habitat that may be considered riparian/riverine areas as defined in Section 6.1.2 of the Western Riverside County MSHCP. Due to the lack of suitable riparian habitat on the project site, focused surveys for riparian/riverine bird species listed in Section 6.1.2 of the MSHCP are not warranted.

Vernal pools are seasonal depressional wetlands that occur under Mediterranean climate conditions of the west coast and in glaciated conditions of northeastern and midwestern states. They are covered by shallow water for variable periods from winter to spring but may be completely dry most of the summer and fall. Vernal pools are usually associated with hard clay layers or bedrock, which helps keep water in the pools. Vernal pools and seasonal depressions usually are dominated by hydrophytic plants, hydric soils, and evidence of hydrology.

The entire site was evaluated for the presence of habitat capable of supporting branchiopods. Habitat was evaluated as described in the USFWS Survey Guidelines for the Listed Large Branchiopods (May 31, 2016). The project area is primarily disturbed and dominated by non-native grasses. The lack of elevation changes on the project site as well as the surrounding storm drain system and onsite storm intake structure do not allow for water pooling on the site for any significant length of time after rain events. The site does contain tire ruts from cars regularly driving onto the site from the adjacent roadway. These features have the potential to allow water to pond during heavy storm events; however, the onsite soils are well-drained and not suitable for pooling water for any significant length of time following rain events. In addition, the site does not contain evidence of persistent wetness, hydrophytic vegetation, or soils typical of vernal pools that would be suitable for large branchiopods.

5.4 Protection of Narrow Endemic Plant Species (Section 6.1.3)

The project site is not located within the Western Riverside County MSHCP Narrow Endemic Plant Species Survey Area (NEPSSA) pursuant to Section 6.1.3 of the MSHCP for any plants. The project site is also not located within any of the Western Riverside County MSHCP Criteria Area Plant Species Survey Areas (CAPSSA) pursuant to Section 6.3.2 of the Western Riverside County MSHCP.

5.5 Additional Surveys and Procedures (Section 6.3.2)

The project site is not located within any of the Western Riverside County MSHCP plan-defined areas requiring additional surveys.

5.6 Urban/Wildlands Interface Guidelines (Section 6.1.4)

The project site is not located within or adjacent to a Western Riverside County MSHCP Conservation Area; therefore, the project site is not required to address Section 6.1.4 of the Western Riverside County MSHCP.

6.0 Recommendations

Implementation of the following measures will mitigate any potential impacts resulting from project activities.

Nesting Birds

- Project ground disturbing and vegetation clearing activities should occur outside of the bird nesting season of February 1 through September 15;
- If avoidance of ground disturbing and vegetation clearing activities cannot be implemented and these activities will occur during the bird nesting season, a qualified biologist shall conduct pre-construction nesting bird surveys during the nesting bird season within 3 days prior to vegetation removal and/or construction activities; and,
- If active nests are found during nesting bird surveys, they will be flagged and a 500-foot buffer for raptors and a 250-foot buffer for migratory song birds, shall be installed around the nests. The buffers must remain in place until the young have fledged and the nest becomes unoccupied.

7.0 Certification

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this biological evaluation, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.



Date 02-22-2022

Signed _____

PROJECT MANAGER

Fieldwork Performed By:

Elizabeth Gonzalez

ASSOCIATE BIOLOGIST

8.0 References

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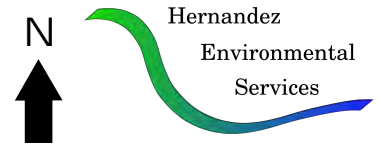
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Figure 1
 Location Map
 APNs 418-160-006 and 418-122-021
 City of Beaumont
 Riverside County, California

Legend

 Project Location



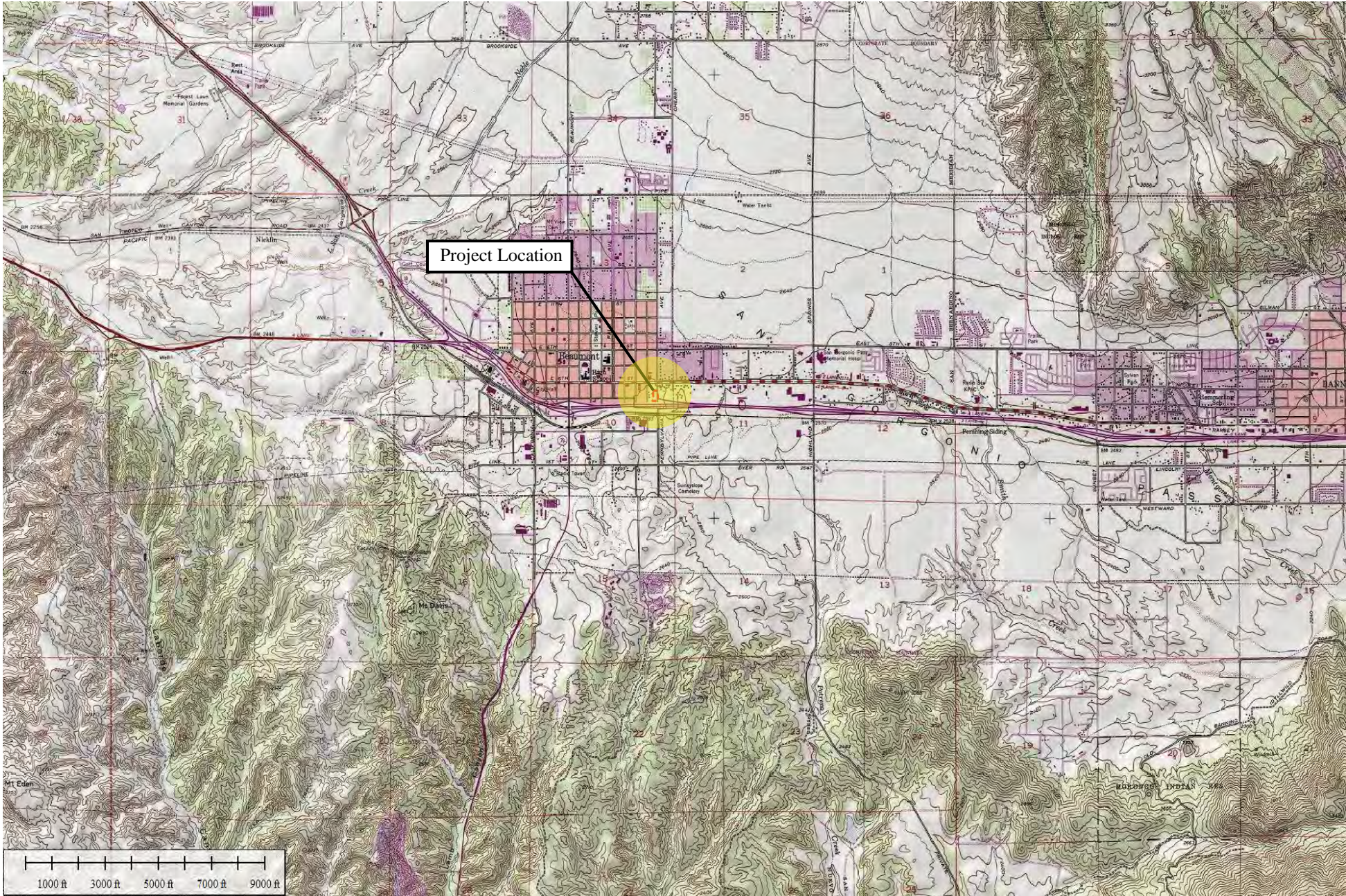
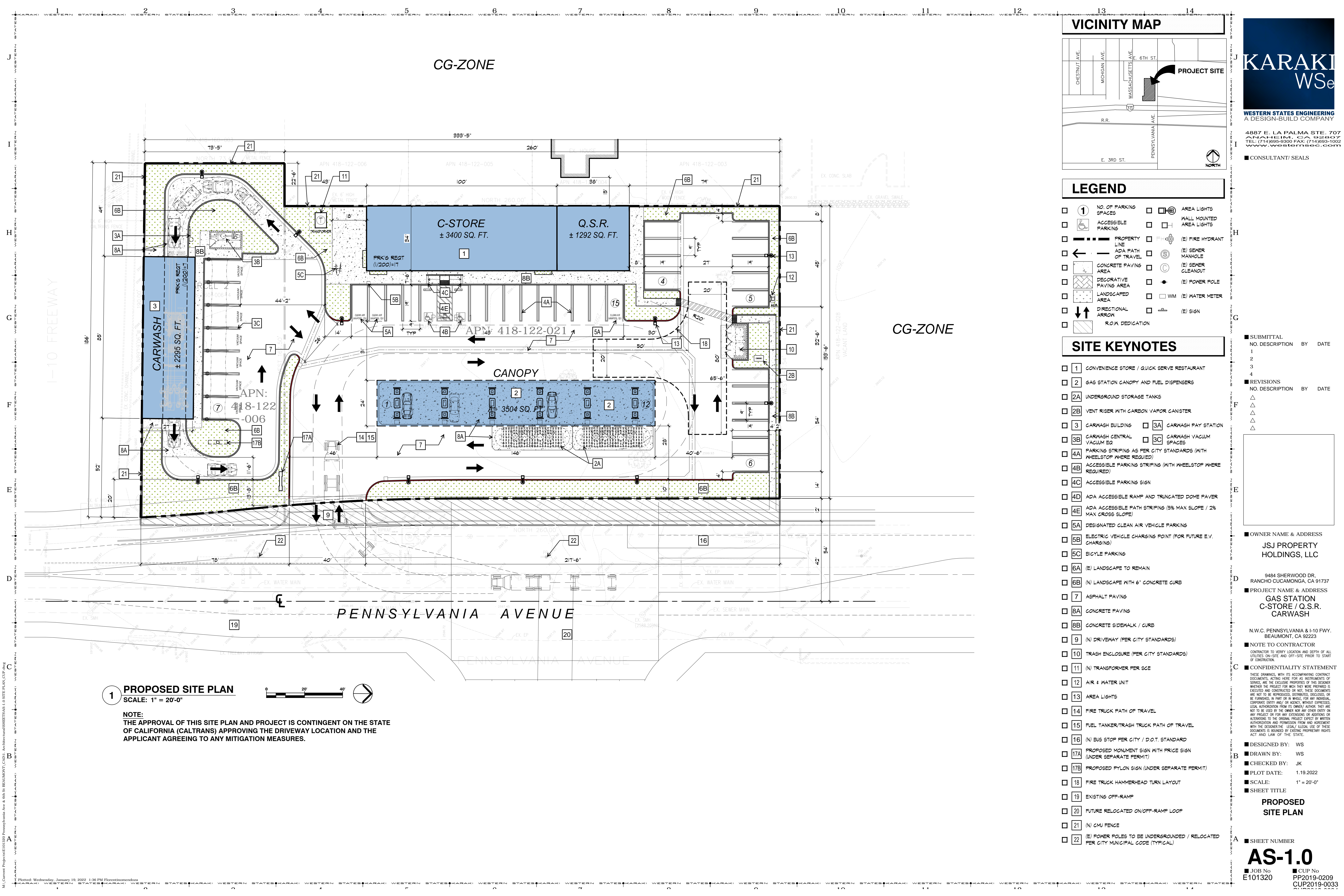


Figure 2
 Vicinity Map
 APNs 418-160-006 and 418-122-021.
 City of Beaumont
 Riverside County, California

Legend

 Project Location

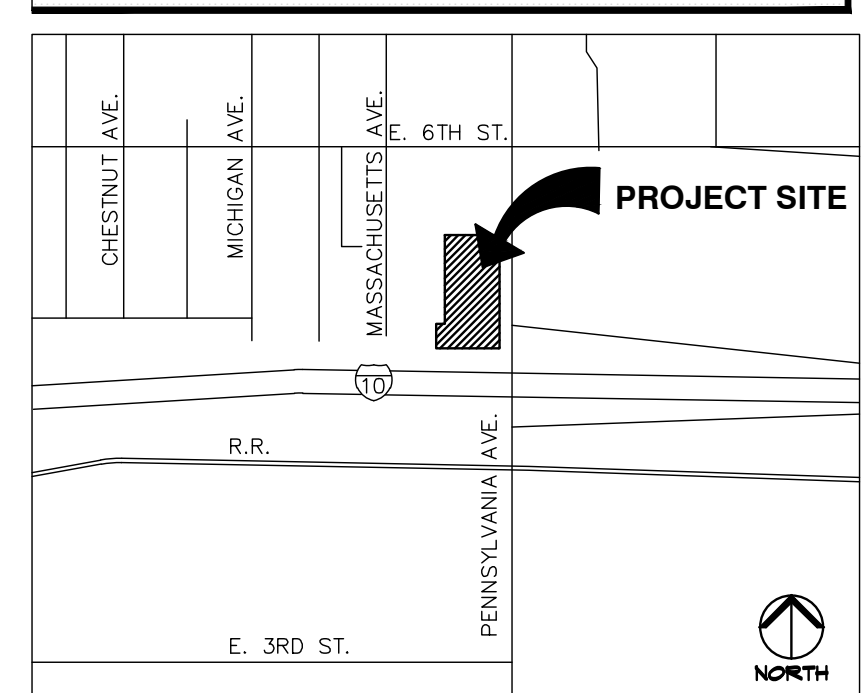




CG-ZONE

CG-ZONE

VICINITY MAP



LEGEND

- ① NO. OF PARKING SPACES
- ♿ ACCESSIBLE PARKING
- PROPERTY LINE
- ← ADA PATH OF TRAVEL
- CONCRETE PAVING AREA
- DECORATIVE PAVING AREA
- LANDSCAPED AREA
- DIRECTIONAL ARROW
- R.O.W. DEDICATION
- ⊙ AREA LIGHTS
- ⊙ WALL MOUNTED AREA LIGHTS
- ⊙ (E) FIRE HYDRANT
- ⊙ (E) SEWER MANHOLE
- ⊙ (E) SEWER CLEANOUT
- ⊙ (E) POWER POLE
- ⊙ (E) WATER METER
- ⊙ (E) SIGN

SITE KEYNOTES

- 1 CONVENIENCE STORE / QUICK SERVE RESTAURANT
- 2 GAS STATION CANOPY AND FUEL DISPENSERS
- 2A UNDERGROUND STORAGE TANKS
- 2B VENT RISER WITH CARBON VAPOR CANISTER
- 3 CARWASH BUILDING
- 3A CARWASH PAY STATION
- 3B CARWASH CENTRAL VACUUM EQ
- 3C CARWASH VACUUM SPACES
- 4A PARKING STRIPING AS PER CITY STANDARDS (WITH WHEELSTOP WHERE REQUIRED)
- 4B ACCESSIBLE PARKING STRIPING (WITH WHEELSTOP WHERE REQUIRED)
- 4C ACCESSIBLE PARKING SIGN
- 4D ADA ACCESSIBLE RAMP AND TRUNCATED DOME PAVEMENT
- 4E ADA ACCESSIBLE PATH STRIPING (5% MAX SLOPE / 2% MAX CROSS SLOPE)
- 5A DESIGNATED CLEAN AIR VEHICLE PARKING
- 5B ELECTRIC VEHICLE CHARGING POINT (FOR FUTURE E.V. CHARGING)
- 5C BICYCLE PARKING
- 6A (E) LANDSCAPE TO REMAIN
- 6B (N) LANDSCAPE WITH 6" CONCRETE CURB
- 7 ASPHALT PAVING
- 8A CONCRETE PAVING
- 8B CONCRETE SIDEWALK / CURB
- 9 (N) DRIVEWAY (PER CITY STANDARDS)
- 10 TRASH ENCLOSURE (PER CITY STANDARDS)
- 11 (N) TRANSFORMER PER SCE
- 12 AIR & WATER UNIT
- 13 AREA LIGHTS
- 14 FIRE TRUCK PATH OF TRAVEL
- 15 FUEL TANKER/TRASH TRUCK PATH OF TRAVEL
- 16 (N) BUS STOP PER CITY / D.O.T. STANDARD
- 17A PROPOSED MONUMENT SIGN WITH PRICE SIGN (UNDER SEPARATE PERMIT)
- 17B PROPOSED PYLON SIGN (UNDER SEPARATE PERMIT)
- 18 FIRE TRUCK HAMMERHEAD TURN LAYOUT
- 19 EXISTING OFF-RAMP
- 20 FUTURE RELOCATED ON/OFF-RAMP LOOP
- 21 (N) CMU FENCE
- 22 (E) POWER POLES TO BE UNDERGROUND / RELOCATED PER CITY MUNICIPAL CODE (TYPICAL)



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CONSULTANT/SEALS

SUBMITTAL
NO. DESCRIPTION BY DATE

REVISIONS
NO. DESCRIPTION BY DATE

OWNER NAME & ADDRESS
JSJ PROPERTY HOLDINGS, LLC

PROJECT NAME & ADDRESS
GAS STATION C-STORE / Q.S.R. CARWASH

N.W.C. PENNSYLVANIA & I-10 FWY.
BEAUMONT, CA 92223

NOTE TO CONTRACTOR
CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL UTILITIES ON-SITE AND OFF-SITE PRIOR TO START OF CONSTRUCTION.

CONFIDENTIALITY STATEMENT
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DESIGNED BY: WS
DRAWN BY: WS
CHECKED BY: JK
PLOT DATE: 1.19.2022
SCALE: 1" = 20'-0"
SHEET TITLE

PROPOSED SITE PLAN

SHEET NUMBER

AS-1.0
JOB No: E101320
CUP No: PP2019-0209
CUP2019-0033

1 PROPOSED SITE PLAN
SCALE: 1" = 20'-0"




NOTE:
THE APPROVAL OF THIS SITE PLAN AND PROJECT IS CONTINGENT ON THE STATE OF CALIFORNIA (CALTRANS) APPROVING THE DRIVEWAY LOCATION AND THE APPLICANT AGREEING TO ANY MITIGATION MEASURES.

M:\Current Projects\E101320 Pennsylvania Ave & 8th St Beaumont, CAD\Architectural\SHEETS\AS-1 SITE PLAN.CUP.dwg
 Plotted: Wednesday, January 19, 2022 1:38 PM Florentinmendoza



Figure 4
 Habitat Map
 APNs 418-160-006 and 418-122-021.
 City of Beaumont
 Riverside County, California

Legend

-  Project Site Boundary
-  Ruderal Habitat (1.0 Acre)
-  Ornamental Trees (0.33 Acre)



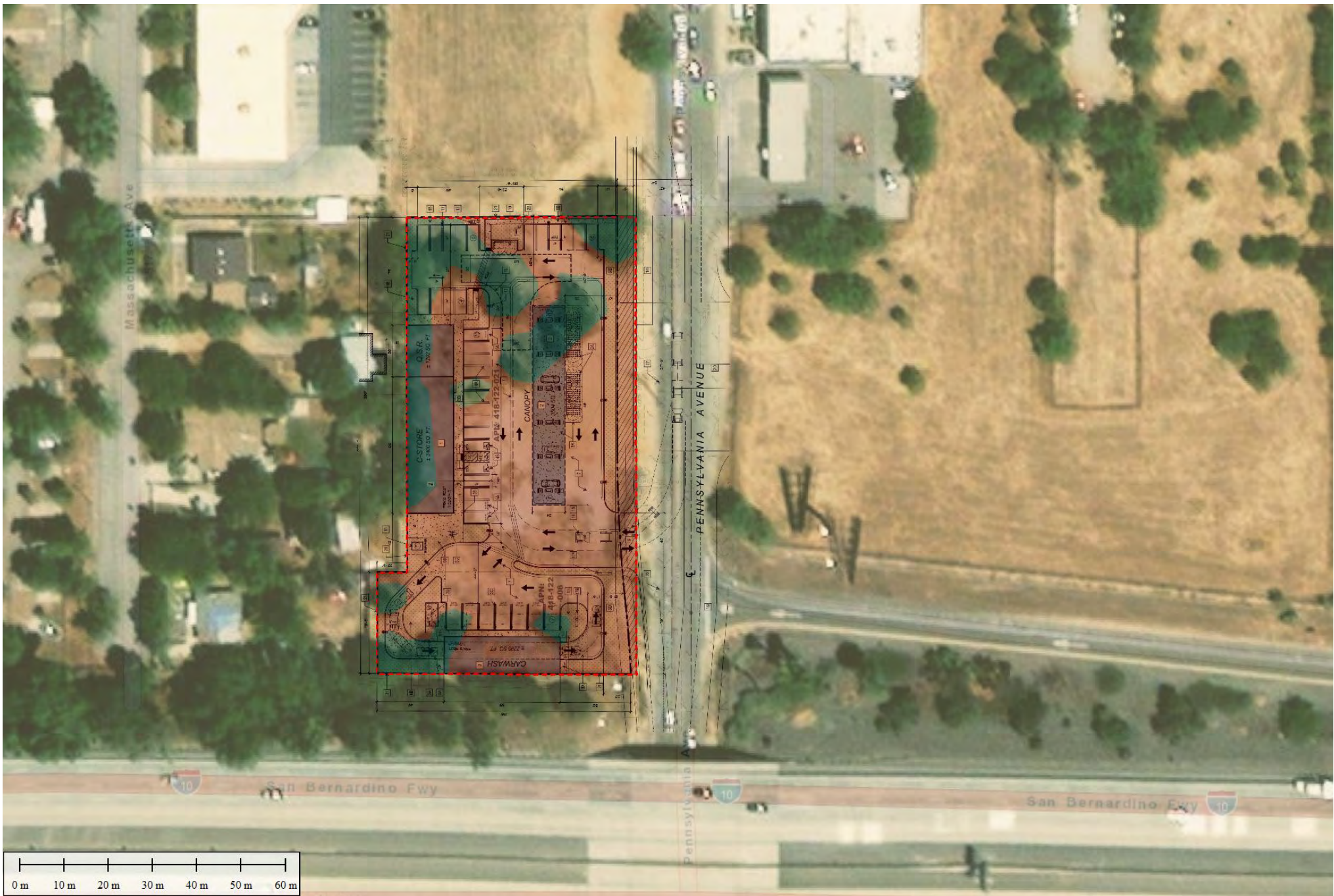





Figure 5
 Impacts Map
 APNs 418-160-006 and 418-122-021.
 City of Beaumont
 Riverside County, California

- Legend**
-  Project Site Boundary
 -  Impacts to Ruderal Habitat (1.0 Acre)
 -  Impacts to Ornamental Trees (0.33 Acre)



Observed Species List

Plants

<i>Ailanthus altissima</i>	Tree of heaven
<i>Amsinckia intermedia</i>	Common fiddleneck
<i>Brassica nigra</i>	Black mustard
<i>Erigeron bonariensis</i>	Horseweed
<i>Erodium botrys</i>	Big heron bill
<i>Hordeum murinum</i>	Foxtail barley
<i>Melia azedrach</i>	China berry tree
<i>Prunus dulcis</i>	Almond tree

Wildlife

<i>Carpodacus mexicanus</i>	House finch
<i>Corvus brachyrhynchos</i>	American crow
<i>Corvus corax</i>	Common raven
<i>Passer domesticus</i>	House Sparrow
<i>Uta stansburiana</i>	Western side blotched lizard
<i>Zenaida macroura</i>	Mourning dove

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	Dicots	None	None	1B.1	BLM_S- Sensitive SB_RSABG- Rancho Santa Ana Botanic Garden USFS_S- Sensitive	Chaparral Coastal scrub Desert dunes	Chaparral, coastal scrub, desert dunes.	Sandy areas. - 60-1570 m.	No suitable habitat is present on site. This species is not present.
<i>Allium marvinii</i>	Yucaipa onion	Monocots	None	None	1B.2	USFS_S- Sensitive	Chaparral	Chaparral.	In openings on clay soils. 850-1070 m.	No suitable habitat is present on site. This species is not present.
<i>Antennaria marginata</i>	white- margined everlasting	Dicots	None	None	2B.3	USFS_S- Sensitive	Lower montane coniferous forest Upper montane coniferous forest	Lower montane coniferous forest, upper montane coniferous forest.	Dry woods. 2070-3355 m.	No suitable habitat is present on site. This species is not present.
<i>Arenaria lanuginosa</i> var. <i>saxosa</i>	rock sandwort	Dicots	None	None	2B.3	SB_RSABG- Rancho Santa Ana Botanic Garden USFS_S- Sensitive	Subalpine coniferous forest Upper montane coniferous forest	Subalpine coniferous forest, upper montane coniferous forest.	Mesic, sandy sites. 1920- 2935 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch	Dicots	None	None	1B.1	BLM_S-Sensitive	Alkali playa Meadow & seep Wetland	Meadows and seeps, playas.	Lake margins, alkaline sites. 75-350 m.	No suitable habitat is present on site. This species is not present.
<i>Astragalus lentiginosus</i> var. <i>coachellae</i>	Coachella Valley milk-vetch	Dicots	Endangered	None	1B.2	SB_RSABG-Rancho Santa Ana Botanic Garden SB_USDA-US Dept of Agriculture	Desert dunes Sonoran desert scrub	Sonoran desert scrub, desert dunes.	Sandy flats, washes, outwash fans, sometimes on dunes. 35-695 m.	No suitable habitat is present on site. This species is not present.
<i>Astragalus pachypus</i> var. <i>jaegeri</i>	Jaeger's milk-vetch	Dicots	None	None	1B.1	BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland	Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland.	Dry ridges and valleys and open sandy slopes; often in grassland and oak-chaparral.	No suitable habitat is present on site. This species is not present.
<i>Atriplex coronata</i> var. <i>notator</i>	San Jacinto Valley crownscale	Dicots	Endangered	None	1B.1	SB_RSABG-Rancho Santa Ana Botanic Garden	Alkali playa Valley & foothill grassland Vernal pool Wetland	Playas, valley and foothill grassland, vernal pools.	Alkaline areas in the San Jacinto River Valley. 35-460 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Atriplex parishii	Parish's brittle scale	Dicots	None	None	1B.1	USFS_S-Sensitive	Alkali playa Chenopod scrub Meadow & seep Vernal pool Wetland	Vernal pools, chenopod scrub, playas.	Usually on drying alkali flats with fine soils. 4-1420 m.	No suitable habitat is present on site. This species is not present.
Atriplex serenana var. davidsonii	Davidson's salt scale	Dicots	None	None	1B.2		Coastal bluff scrub Coastal scrub	Coastal bluff scrub, coastal scrub.	Alkaline soil. 0-480 m.	No suitable habitat is present on site. This species is not present.
Boechera parishii	Parish's rock cress	Dicots	None	None	1B.2	SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Limestone Pavement plain Pinon & juniper woodlands Upper montane coniferous forest	Pebble plain, pinyon and juniper woodland, upper montane coniferous forest.	Generally found on pebble plains on clay soil with quartzite cobbles; sometimes on limestone. 1825-2805 m.	No suitable habitat is present on site. This species is not present.
Boechera peirsonii	San Bernardino rock cress	Dicots	None	None	1B.2	SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Subalpine coniferous forest	Subalpine coniferous forest.	On cliffs and talus slopes. 2830-3385 m..	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Botrychium crenulatum	scalloped moonwort	Ferns	None	None	2B.2	USFS_S-Sensitive	Bog & fen Lower montane coniferous forest Marsh & swamp Meadow & seep Upper montane coniferous forest Wetland	Bogs and fens, meadows and seeps, upper montane coniferous forest, lower montane coniferous forest, marshes and swamps.	Moist meadows, freshwater marsh, and near creeks. 1185-3110 m.	No suitable habitat is present on site. This species is not present.
Brodiaea filifolia	thread-leaved brodiaea	Monocots	Threatened	Endangered	1B.1	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank SB_RSABG-Rancho Santa Ana Botanic Garden	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland Vernal pool Wetland	Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools.	Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Occurs in openings on clay soils. 15-1030 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Calochortus palmeri var. palmeri	Palmer's mariposa-lily	Monocots	None	None	1B.2	BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden USFS_S-Sensitive	Chaparral Lower montane coniferous forest Meadow & seep	Meadows and seeps, chaparral, lower montane coniferous forest.	Vernally moist places in yellow-pine forest, chaparral. 195-2530 m.	No suitable habitat is present on site. This species is not present.
Calochortus plummerae	Plummer's mariposa-lily	Monocots	None	None	4.2	SB_RSABG-Rancho Santa Ana Botanic Garden	Chaparral Cismontane woodland Coastal scrub Lower montane coniferous forest Valley & foothill grassland	Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland, lower montane coniferous forest.	Occurs on rocky and sandy sites, usually of granitic or alluvial material. Can be very common after fire. 60-2500 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Castilleja lasiorhyncha	San Bernardino Mountains owl's-clover	Dicots	None	None	1B.2	SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Meadow & seep Pavement plain Riparian woodland Upper montane coniferous forest Wetland	Meadows and seeps, pebble plain, upper montane coniferous forest, chaparral, riparian woodland.	Mesic to drying soils in open areas of stream and meadow margins or in vernal wet areas. 1140-2320 m.	No suitable habitat is present on site. This species is not present.
Caulanthus simulans	Payson's jewelflower	Dicots	None	None	4.2	USFS_S-Sensitive	Chaparral Coastal scrub	Chaparral, coastal scrub.	Frequently in burned areas, or in disturbed sites such as streambeds; also on rocky, steep slopes. Sandy, granitic soils.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Centromadia pungens ssp. laevis	smooth tarplant	Dicots	None	None	1B.1	SB_RSABG-Rancho Santa Ana Botanic Garden	Alkali playa Chenopod scrub Meadow & seep Riparian woodland Valley & foothill grassland Wetland	Valley and foothill grassland, chenopod scrub, meadows and seeps, playas, riparian woodland.	Alkali meadow, alkali scrub; also in disturbed places. 5-1170 m.	No suitable habitat is present on site. This species is not present.
Chorizanthe parryi var. parryi	Parry's spineflower	Dicots	None	None	1B.1	BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland	Coastal scrub, chaparral, cismontane woodland, valley and foothill grassland.	Dry slopes and flats; sometimes at interface of 2 vegetation types, such as chaparral and oak woodland. Dry, sandy soils. 90-1220	No suitable habitat is present on site. This species is not present.
Chorizanthe xanti var. leucotheca	white-bracted spineflower	Dicots	None	None	1B.2	BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden SB_USDA-US Dept of Agriculture USFS_S-Sensitive	Coastal scrub Mojavean desert scrub Pinon & juniper woodlands	Mojavean desert scrub, pinyon and juniper woodland, coastal scrub (alluvial fans).	Sandy or gravelly places. 365-1830 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Deinandra mohavensis</i>	Mojave tarplant	Dicots	None	Endangered	1B.3	BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Coastal scrub Riparian scrub	Riparian scrub, coastal scrub, chaparral.	Low sand bars in river bed; mostly in riparian areas or in ephemeral grassy areas. 640-1645 m.	No suitable habitat is present on site. This species is not present.
Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	Riparian	None	None			Riparian woodland			No suitable habitat is present on site. This species is not present.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	Dicots	Endangered	Endangered	1B.1	SB_RSABG-Rancho Santa Ana Botanic Garden	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub).	Flood deposited terraces and washes; associates include Encelia, Dalea, Lepidospartum, etc. Sandy soils. 200-765	No suitable habitat is present on site. This species is not present.
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	Dicots	Endangered	Endangered	1B.1	SB_RSABG-Rancho Santa Ana Botanic Garden	Chaparral Coastal scrub	Coastal scrub, chaparral.	In sandy soils on river floodplains or terraced fluvial deposits. 180-705 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Eriogonum kennedyi</i> var. <i>alpigenum</i>	southern alpine buckwheat	Dicots	None	None	1B.3	USFS_S-Sensitive	Alpine Alpine boulder & rock field Subalpine coniferous forest	Alpine boulder and rock fields, subalpine coniferous forest.	Dry granitic gravel. 2500-3415 m.	No suitable habitat is present on site. This species is not present.
<i>Galium angustifolium</i> ssp. <i>jacinticum</i>	San Jacinto Mountains bedstraw	Dicots	None	None	1B.3	USFS_S-Sensitive	Lower montane coniferous forest	Lower montane coniferous forest.	Open mixed forest. 1190-2440 m.	No suitable habitat is present on site. This species is not present.
<i>Galium californicum</i> ssp. <i>primum</i>	Alvin Meadow bedstraw	Dicots	None	None	1B.2	BLM_S-Sensitive USFS_S-Sensitive	Chaparral Lower montane coniferous forest	Chaparral, lower montane coniferous forest.	Grows in shade of trees and shrubs at the lower edge of the pine belt, in pine forest-chaparral ecotone. Granitic, sandy soils. 1460-1830 m.	No suitable habitat is present on site. This species is not present.
<i>Gilia leptantha</i> ssp. <i>leptantha</i>	San Bernardino gilia	Dicots	None	None	1B.3	SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Lower montane coniferous forest	Lower montane coniferous forest.	Sandy or gravelly sites. 1520-2595 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Heuchera parishii</i>	Parish's alumroot	Dicots	None	None	1B.3	SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Alpine boulder & rock field Limestone Lower montane coniferous forest Subalpine coniferous forest Upper montane coniferous forest	Lower montane coniferous forest, subalpine coniferous forest, upper montane coniferous forest, alpine boulder & rock field.	Rocky places. Sometimes on carbonate. 1340-3505 m.	No suitable habitat is present on site. This species is not present.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	Dicots	None	None	1B.1	USFS_S-Sensitive	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub.	Sandy or gravelly sites. 15-1645 m.	No suitable habitat is present on site. This species is not present.
<i>Hulsea vestita</i> ssp. <i>pygmaea</i>	pygmy hulsea	Dicots	None	None	1B.3	USFS_S-Sensitive	Alpine boulder & rock field Subalpine coniferous forest	Alpine boulder and rock field, subalpine coniferous forest.	Gravelly sites; on granite. 2860-3502 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Imperata brevifolia</i>	California satintail	Monocots	None	None	2B.1	SB_RSABG-Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden USFS_S-Sensitive	Chaparral Coastal scrub Meadow & seep Mojavean desert scrub Riparian scrub Wetland	Coastal scrub, chaparral, riparian scrub, mojavean desert scrub, meadows and seeps (alkali), riparian scrub.	Mesic sites, alkali seeps, riparian areas. 3-1495 m.	No suitable habitat is present on site. This species is not present.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	Dicots	None	None	1B.1	BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden	Alkali playa Marsh & swamp Salt marsh Vernal pool Wetland	Coastal salt marshes, playas, vernal pools.	Usually found on alkaline soils in playas, sinks, and grasslands. 1-1375 m.	No suitable habitat is present on site. This species is not present.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	Dicots	None	None	4.3		Chaparral Coastal scrub	Chaparral, coastal scrub.	Dry soils, shrubland. 4-1435 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Lilium parryi</i>	lemon lily	Monocots	None	None	1B.2	SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Lower montane coniferous forest Meadow & seep Riparian forest Upper montane coniferous forest Wetland	Lower montane coniferous forest, meadows and seeps, riparian forest, upper montane coniferous forest.	Wet, mountainous terrain; generally in forested areas; on shady edges of streams, in open boggy meadows & seeps. 625-2930 m.	No suitable habitat is present on site. This species is not present.
<i>Malaxis monophyllos</i> var. <i>brachypoda</i>	white bog adder's-mouth	Monocots	None	None	2B.1	USFS_S-Sensitive	Bog & fen Meadow & seep Upper montane coniferous forest Wetland	Meadows and seeps, bogs and fens, upper montane coniferous forest.	Hillside bogs and mesic meadows. 2375-2560 m.	No suitable habitat is present on site. This species is not present.
<i>Mentzelia tricuspidis</i>	spiny-hair blazing star	Dicots	None	None	2B.1		Mojavean desert scrub	Mojavean desert scrub.	Sandy or gravelly slopes and washes. 150-1280 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Monardella macrantha ssp. hallii	Hall's monardella	Dicots	None	None	1B.3	SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Broadleaved upland forest Chaparral Cismontane woodland Lower montane coniferous forest Valley & foothill grassland	Broadleaved upland forest, chaparral, lower montane coniferous forest, cismontane woodland, valley and foothill grassland.	Dry slopes and ridges in openings. 700-1800 m.	No suitable habitat is present on site. This species is not present.
Monardella nana ssp. leptosiphon	San Felipe monardella	Dicots	None	None	1B.2	BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Lower montane coniferous forest	Chaparral, lower montane coniferous forest.	Sometimes in openings and fuelbreaks or in the understory of forest or chaparral. 850-2425 m.	No suitable habitat is present on site. This species is not present.
Nama stenocarpa	mud nama	Dicots	None	None	2B.2		Marsh & swamp Wetland	Marshes and swamps.	Lake shores, river banks, intermittently wet areas. 15-815 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Navarretia fossalis	spreading navarretia	Dicots	Threatened	None	1B.1	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank SB_RSABG-Rancho Santa Ana Botanic Garden	Alkali playa Chenopod scrub Marsh & swamp Vernal pool Wetland	Vernal pools, chenopod scrub, marshes and swamps, playas.	San Diego hardpan and San Diego claypan vernal pools; in swales & vernal pools, often surrounded by other habitat types. 15-850 m.	No suitable habitat is present on site. This species is not present.
Oreonana vestita	woolly mountain-parsley	Dicots	None	None	1B.3	SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Lower montane coniferous forest Subalpine coniferous forest Upper montane coniferous forest	Subalpine coniferous forest, upper montane coniferous forest, lower montane coniferous forest.	High ridges; on scree, talus, or gravel. 800-3370 m.	No suitable habitat is present on site. This species is not present.
Oxytropis oreophila var. oreophila	rock-loving oxytrope	Dicots	None	None	2B.3	USFS_S-Sensitive	Alpine boulder & rock field Subalpine coniferous forest	Alpine boulder and rock field, subalpine coniferous forest.	Gravelly or rocky sites. 2615-3505 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Parnassia cirrata var. cirrata	San Bernardino grass-of-Parnassus	Dicots	None	None	1B.3	USFS_S-Sensitive	Limestone Lower montane coniferous forest Meadow & seep Upper montane coniferous forest Wetland	Lower montane coniferous forest, upper montane coniferous forest, meadows and seeps.	Mesic sites, streamsid es, sometimes calcareous. 1245-2440 m.	No suitable habitat is present on site. This species is not present.
Petalonyx linearis	narrow-leaf sandpaper-plant	Dicots	None	None	2B.3		Mojavean desert scrub Sonoran desert scrub	Mojavean desert scrub, Sonoran desert scrub.	Sandy or rocky canyons. -30-1090 m.	No suitable habitat is present on site. This species is not present.
Pseudognaphalium leucocephalum	white rabbit-tobacco	Dicots	None	None	2B.2		Chaparral Cismontane woodland Coastal scrub Riparian woodland	Riparian woodland, cismontane woodland, coastal scrub, chaparral.	Sandy, gravelly sites. 35-515 m.	No suitable habitat is present on site. This species is not present.
Riversidian Alluvial Fan Sage Scrub	Riversidian Alluvial Fan Sage Scrub	Scrub	None	None			Coastal scrub			No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Sidalcea hickmanii</i> ssp. <i>parishii</i>	Parish's checkerbloom	Dicots	None	Rare	1B.2	BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden USFS_S-Sensitive	Chaparral Cismontane woodland Lower montane coniferous forest	Chaparral, cismontane woodland, lower montane coniferous forest.	Disturbed burned or cleared areas on dry, rocky slopes, in fuel breaks & fire roads along the mountain summits. 1095-2135 m.	No suitable habitat is present on site. This species is not present.
<i>Sidalcea malviflora</i> ssp. <i>dolosa</i>	Bear Valley checkerbloom	Dicots	None	None	1B.2	USFS_S-Sensitive	Lower montane coniferous forest Meadow & seep Riparian woodland Upper montane coniferous forest Wetland	Meadows and seeps, riparian woodland, lower montane coniferous forest, upper montane coniferous forest.	Known from wet areas within forested habitats. Affected by hydrological changes. 1575-2590 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Sidalcea neomexicana	salt spring checkerbloom	Dicots	None	None	2B.2	USFS_S-Sensitive	Alkali playa Chaparral Coastal scrub Lower montane coniferous forest Mojavean desert scrub Wetland	Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub.	Alkali springs and marshes. 3-2380 m.	No suitable habitat is present on site. This species is not present.
Silene krantzii	Krantz's catchfly	Dicots	None	None	1B.2	SB_RSABG-Rancho Santa Ana Botanic Garden	Alpine dwarf scrub	Alpine dwarf scrub.	Usually sandy or gravelly, sometimes rocky. 3235-3475 m.	No suitable habitat is present on site. This species is not present.
Southern Coast Live Oak Riparian Forest	Southern Coast Live Oak Riparian Forest	Riparian	None	None			Riparian forest			No suitable habitat is present on site. This species is not present.
Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	Riparian	None	None			Riparian forest			
Southern Mixed Riparian Forest	Southern Mixed Riparian Forest	Riparian	None	None			Riparian forest			

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Southern Riparian Forest	Southern Riparian Forest	Riparian	None	None			Riparian forest			
Southern Riparian Scrub	Southern Riparian Scrub	Riparian	None	None			Riparian scrub			
Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	Riparian	None	None			Riparian woodland			
Southern Willow Scrub	Southern Willow Scrub	Riparian	None	None			Riparian scrub			
Streptanthus bernardinus	Laguna Mountains jewelflower	Dicots	None	None	4.3	SB_RSABG-Rancho Santa Ana Botanic Garden	Chaparral Lower montane coniferous forest Upper montane coniferous forest	Chaparral, lower montane coniferous forest.	Clay or decomposed granite soils; sometimes in disturbed areas such as streamsides or roadcuts. 1440-2500 m.	No suitable habitat is present on site. This species is not present.
Streptanthus campestris	southern jewelflower	Dicots	None	None	1B.3	BLM_S-Sensitive USFS_S-Sensitive	Chaparral Lower montane coniferous forest Pinon & juniper woodlands	Chaparral, lower montane coniferous forest, pinyon and juniper woodland.	Open, rocky areas. 605-2590 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Symphyotrichum defoliatum</i>	San Bernardino aster	Dicots	None	None	1B.2	BLM_S-Sensitive USFS_S-Sensitive	Cismontane woodland Coastal scrub Lower montane coniferous forest Marsh & swamp Meadow & seep Valley & foothill grassland	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland.	Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 3-2045 m.	No suitable habitat is present on site. This species is not present.
<i>Taraxacum californicum</i>	California dandelion	Dicots	Endangered	None	1B.1	SB_RSABG-Rancho Santa Ana Botanic Garden	Meadow & seep Wetland	Meadows and seeps.	Mesic meadows, usually free of taller vegetation. 1620-2590 m.	No suitable habitat is present on site. This species is not present.
<i>Tortula californica</i>	California screw moss	Bryophytes	None	None	1B.2	BLM_S-Sensitive	Chenopod scrub Valley & foothill grassland	Chenopod scrub, valley and foothill grassland.	Moss growing on sandy soil. 45-750 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	California List	Rplant Rank	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Trichocoronis wrightii var. wrightii	Wright's trichocoronis	Dicots	None	None	2B.1		Marsh & swamp Meadow & seep Riparian forest Vernal pool Wetland	Marshes and swamps, riparian forest, meadows and seeps, vernal pools.	Mud flats of vernal lakes, drying river beds, alkali meadows. 5-435 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Accipiter co+A2:A48op erii	Cooper's hawk	Birds	None	None	CDFW_WL- Watch List IUCN_LC-Least Concern	Cismontane woodland Riparian forest Riparian woodland Upper montane coniferous forest	Woodland, chiefly of open, interrupted or marginal type.	Nest sites mainly in riparian growths of deciduous trees, as in canyon bottoms on river flood-plains; also, live oaks.	No suitable habitat is presen on site. This species is not present.
Agelaius tricolor	tricolored blackbird	Birds	None	Threatened	BLM_S-Sensitive CDFW_SSC- Species of Special Concern IUCN_EN- Endangered NABCI_RWL-Red Watch List USFWS_BCC- Birds of Conservation Concern	Freshwater marsh Marsh & swamp Swamp Wetland	Highly colonial species, most numerous in Central Valley & vicinity. Largely endemic to California.	Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	No suitable habitat is presen on site. This species is not present.
Aimophila ruficeps canescens	southern California rufous- crowned sparrow	Birds	None	None	CDFW_WL- Watch List	Chaparral Coastal scrub	Resident in Southern California coastal sage scrub and sparse mixed chaparral.	Frequents relatively steep, often rocky hillsides with grass and forb patches.	No suitable habitat is presen on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Anniella stebbinsi	southern California legless lizard	Reptiles	None	None	CDFW_SSC-Species of Special Concern USFS_S Sensitive	Broadleaved upland forest Chaparral Coastal dunes Coastal scrub	Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County.	Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Antrozous pallidus	pallid bat	Mammals	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S Sensitive WBWG_H-High Priority	Chaparral Coastal scrub Desert wash Great Basin grassland Great Basin scrub Mojavean desert scrub Riparian woodland Sonoran desert scrub Upper montane coniferous forest Valley & foothill grassland	Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting.	Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Aquila chrysaetos	golden eagle	Birds	None	None	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected CDFW_WL-Watch List IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest Cismontane woodland Coastal prairie Great Basin grassland Great Basin scrub Lower montane coniferous forest Pinon & juniper woodlands Upper montane coniferous forest Valley & foothill grassland	Rolling foothills, mountain areas, sage-juniper flats, and desert.	Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Arizona elegans occidentalis	California glossy snake	Reptiles	None	None	CDFW_SSC- Species of Special Concern		Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California.	Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.	No suitable habitat is present on site. This species is not present.
Artemisiospiza belli belli	Bell's sage sparrow	Birds	None	None	CDFW_WL- Watch List USFWS_BCC- Birds of Conservation Concern	Chaparral Coastal scrub	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range.	Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Aspidoscelis hyperythra	orange-throated whiptail	Reptiles	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern USFS_S Sensitive	Chaparral Cismontane woodland Coastal scrub	Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats.	Prefers washes and other sandy areas with patches of brush and rocks. Perennial plants necessary for its major food: termites.	No suitable habitat is present on site. This species is not present.
Aspidoscelis tigris stejnegeri	coastal whiptail	Reptiles	None	None	CDFW_SSC-Species of Special Concern		Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland & riparian areas.	Ground may be firm soil, sandy, or rocky.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Athene cunicularia	burrowing owl	Birds	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Coastal prairie Coastal scrub Great Basin grassland Great Basin scrub Mojavean desert scrub Sonoran desert scrub Valley & foothill grassland	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation.	Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	No suitable habitat is present on site. This species is not present.
Buteo regalis	ferruginous hawk	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Great Basin grassland Great Basin scrub Pinon & juniper woodlands Valley & foothill grassland	Open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats.	Eats mostly lagomorphs, ground squirrels, and mice. Population trends may follow lagomorph population cycles.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Buteo swainsoni	Swainson's hawk	Birds	None	Threatened	BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Great Basin grassland Riparian forest Riparian woodland Valley & foothill grassland	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, & agricultural or ranch lands with groves or lines of trees.	Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	No suitable habitat is present on site. This species is not present.
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	Birds	None	None	CDFW_SSC-Species of Special Concern USFS_S Sensitive USFWS_BCC-Birds of Conservation Concern	Coastal scrub	Southern California coastal sage scrub.	Wrens require tall opuntia cactus for nesting and roosting.	No suitable habitat is present on site. This species is not present.
Chaetodipus californicus femoralis	Dulzura pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Chaparral Coastal scrub Valley & foothill grassland	Variety of habitats including coastal scrub, chaparral & grassland in San Diego County.	Attracted to grass-chaparral edges.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Chaparral Coastal scrub	Coastal scrub, chaparral, grasslands, sagebrush, etc. in western San Diego County.	Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	No suitable habitat is present on site. This species is not present.
Chaetodipus fallax pallidus	pallid San Diego pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Desert wash Pinon & juniper woodlands Sonoran desert scrub	Desert border areas in eastern San Diego County in desert wash, desert scrub, desert succulent scrub, pinyon-juniper, etc.	Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Charina umbratica	southern rubber boa	Reptiles	None	Threatened	USFS_S-Sensitive	Meadow & seep Riparian forest Riparian woodland Upper montane coniferous forest Wetland	Known from the San Bernardino and San Jacinto mtns; found in a variety of montane forest habitats. Snakes resembling C. umbratica reported from Mt. Pinos and Tehachapi mtns group with C. bottae based on mtDNA. Further research needed.	Found in vicinity of streams or wet meadows; requires loose, moist soil for burrowing; seeks cover in rotting logs, rock outcrops, and under surface litter.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Birds	Threatened	Endangered	BLM_S-Sensitive NABCI_RWL-Red Watch List USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	Riparian forest	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems.	Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Corynorhinus townsendii	Townsend's big-eared bat	Mammals	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	Broadleaved upland forest Chaparral Chenopod scrub Great Basin grassland Great Basin scrub Joshua tree woodland Lower montane coniferous forest Meadow & seep Mojavean desert scrub Riparian forest Riparian woodland Sonoran desert scrub Sonoran thorn woodland Upper montane coniferous forest Valley & foothill grassland	Throughout California in a wide variety of habitats. Most common in mesic sites.	Roosts in the open, hanging from walls and ceilings. Roosting sites limiting. Extremely sensitive to human disturbance.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Crotalus ruber	red-diamond rattlesnake	Reptiles	None	None	CDFW_SSC-Species of Special Concern USFS_S Sensitive	Chaparral Mojavean desert scrub Sonoran desert scrub	Chaparral, woodland, grassland, & desert areas from coastal San Diego County to the eastern slopes of the mountains.	Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	No suitable habitat is present on site. This species is not present.
Cypseloides niger	black swift	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern NABCI_YWL-Yellow Watch List USFWS_BCC-Birds of Conservation Concern		Coastal belt of Santa Cruz and Monterey counties; central & southern Sierra Nevada; San Bernardino & San Jacinto mountains.	Breeds in small colonies on cliffs behind or adjacent to waterfalls in deep canyons and sea-bluffs above the surf; forages widely.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Diadophis punctatus modestus	San Bernardino ringneck snake	Reptiles	None	None	USFS_S-Sensitive		Most common in open, relatively rocky areas. Often in somewhat moist microhabitats near intermittent streams.	Avoids moving through open or barren areas by restricting movements to areas of surface litter or herbaceous veg.	No suitable habitat is present on site. This species is not present.
Dipodomys merriami parvus	San Bernardino kangaroo rat	Mammals	Endangered	Candidate Endangered	CDFW_SSC-Species of Special Concern	Coastal scrub	Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains.	Needs early to intermediate seral stages.	No suitable habitat is present on site. This species is not present.
Dipodomys stephensi	Stephens' kangaroo rat	Mammals	Endangered	Threatened	IUCN_EN-Endangered	Coastal scrub Valley & foothill grassland	Primarily annual & perennial grasslands, but also occurs in coastal scrub & sagebrush with sparse canopy cover.	Prefers buckwheat, chamise, brome grass and filaree. Will burrow into firm soil.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Elanus leucurus	white-tailed kite	Birds	None	None	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern	Cismontane woodland Marsh & swamp Riparian woodland Valley & foothill grassland Wetland	Rolling foothills and valley margins with scattered oaks & river bottomlands or marshes next to deciduous woodland.	Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	No suitable habitat is present on site. This species is not present.
Empidonax traillii extimus	southwestern willow flycatcher	Birds	Endangered	Endangered	NABCI_RWL-Red Watch List	Riparian woodland	Riparian woodlands in Southern California.		No suitable habitat is present on site. This species is not present.
Eremophila alpestris actia	California horned lark	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern	Marine intertidal & splash zone communities Meadow & seep	Coastal regions, chiefly from Sonoma County to San Diego County. Also main part of San Joaquin Valley and east to foothills.	Short-grass prairie, "bald" hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Glaucomys oregonensis californicus</i>	San Bernardino flying squirrel	Mammals	None	None	CDFW_SSC- Species of Special Concern USFS_S- Sensitive	Broadleaved upland forest Lower montane coniferous forest	Known from black oak or white fir dominated woodlands between 5200 - 8500 ft in the San Bernardino and San Jacinto ranges. May be extirpated from San Jacinto range.	Needs cavities in trees/snags for nests and cover. Needs nearby water.	No suitable habitat is present on site. This species is not present.
<i>Halictus harmonius</i>	haromonius halictid bee	Insects	None	None	XERCES_CI- Critically Imperiled		Known only from the foothills of the San Bernardino Mts., possibly also the San Jacinto Mts.		No suitable habitat is present on site. This species is not present.
<i>Icteria virens</i>	yellow-breasted chat	Birds	None	None	CDFW_SSC- Species of Special Concern IUCN_LC-Least Concern	Riparian forest Riparian scrub Riparian woodland	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses.	Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Lanius ludovicianus	loggerhead shrike	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest Desert wash Joshua tree woodland Mojavean desert scrub Pinon & juniper woodlands Riparian woodland Sonoran desert scrub	Broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub & washes.	Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting.	No suitable habitat is present on site. This species is not present.
Lasiurus xanthinus	western yellow bat	Mammals	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	Desert wash	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats.	Roosts in trees, particularly palms. Forages over water and among trees.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Leptonycteris yerbabuena	lesser long-nosed bat	Mammals	Delisted	None	CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable WBWG_H-High Priority	Mojavean desert scrub Sonoran desert scrub Upper Sonoran scrub	Arid regions such as desert grasslands and shrub land. Suitable day roosts (caves & mines) and suitable concentrations of food plants (columnar cacti & agaves) are critical resources. No maternity roosts known from California; may only be vagrant.	Caves and mines are used as day roosts. Caves, mines, rock crevices, trees and shrubs, and abandoned buildings are used as night roosts for digesting meals. Nectar, pollen, and fruit eating bat; primarily feeding on agaves, saguaro, and organ pipe cactus.	No suitable habitat is present on site. This species is not present.
Lepus californicus bennettii	San Diego black-tailed jackrabbit	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Intermediate canopy stages of shrub habitats & open shrub / herbaceous & tree / herbaceous edges.	Coastal sage scrub habitats in Southern California.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Neotamias speciosus speciosus	lodgpole chipmunk	Mammals	None	None		Chaparral Upper montane coniferous forest	Summits of isolated Piute, San Bernardino, & San Jacinto mountains. Usually found in open-canopy forests.	Habitat is usually lodgepole pine forests in the San Bernardino Mts & chinquapin slopes in the San Jacinto Mts.	No suitable habitat is present on site. This species is not present.
Neotoma lepida intermedia	San Diego desert woodrat	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Coastal scrub of Southern California from San Diego County to San Luis Obispo County.	Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Oncorhynchus mykiss irideus</i> pop. 10	steelhead - southern California DPS	Fish	Endangered	None	AFS_EN-Endangered	Aquatic South coast flowing waters	Federal listing refers to populations from Santa Maria River south to southern extent of range (San Mateo Creek in San Diego County).	Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions.	No suitable habitat is present on site. This species is not present.
<i>Onychomys torridus ramona</i>	southern grasshopper mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Chenopod scrub	Desert areas, especially scrub habitats with friable soils for digging. Prefers low to moderate shrub cover.	Feeds almost exclusively on arthropods, especially scorpions and orthopteran insects.	No suitable habitat is present on site. This species is not present.
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin.	Open ground with fine, sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Phrynosoma blainvillii	coast horned lizard	Reptiles	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Chaparral Cismontane woodland Coastal bluff scrub Coastal scrub Desert wash Pinon & juniper woodlands Riparian scrub Riparian woodland Valley & foothill grassland	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes.	Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	No suitable habitat is present on site. This species is not present.
Plegadis chihi	white-faced ibis	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern	Marsh & swamp Wetland	Shallow freshwater marsh.	Dense tule thickets for nesting, interspersed with areas of shallow water for foraging.	No suitable habitat is present on site. This species is not present.
Poliptila californica californica	coastal California gnatcatcher	Birds	Threatened	None	CDFW_SSC-Species of Special Concern NABCI_YWL-Yellow Watch List	Coastal bluff scrub Coastal scrub	Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California.	Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Progne subis	purple martin	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Broadleaved upland forest Lower montane coniferous forest	Inhabits woodlands, low elevation coniferous forest of Douglas-fir, ponderosa pine, and Monterey pine.	Nests in old woodpecker cavities mostly; also in human-made structures. Nest often located in tall, isolated tree/snag.	No suitable habitat is present on site. This species is not present.
Rana muscosa	southern mountain yellow-legged frog	Amphibians	Endangered	Endangered	CDFW_WL-Watch List IUCN_EN-Endangered USFS_S-Sensitive	Aquatic	Federal listing refers to populations in the San Gabriel, San Jacinto and San Bernardino mountains (southern DPS). Northern DPS was determined to warrant listing as endangered, Apr 2014, effective Jun 30, 2014.	Always encountered within a few feet of water. Tadpoles may require 2 - 4 yrs to complete their aquatic development.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Rhinichthys osculus ssp. 3	Santa Ana speckled dace	Fish	None	None	AFS_TH-Threatened CDFW_SSC-Species of Special Concern USFS_S Sensitive	Aquatic South coast flowing waters	Headwaters of the Santa Ana and San Gabriel rivers. May be extirpated from the Los Angeles River system.	Requires permanent flowing streams with summer water temps of 17-20 C. Usually inhabits shallow cobble and gravel riffles.	No suitable habitat is present on site. This species is not present.
Salvadora hexalepis virgulata	coast patch-nosed snake	Reptiles	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Brushy or shrubby vegetation in coastal Southern California.	Require small mammal burrows for refuge and overwintering sites.	No suitable habitat is present on site. This species is not present.
Setophaga petechia	yellow warbler	Birds	None	None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	Riparian forest Riparian scrub Riparian woodland	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada.	Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Spea hammondii	western spadefoot	Amphibians	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	Cismontane woodland Coastal scrub Valley & foothill grassland Vernal pool Wetland	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands.	Vernal pools are essential for breeding and egg-laying.	No suitable habitat is present on site. This species is not present.
Stenopelmatus californicus	Coachella Valley Jerusalem cricket	Insects	None	None	IUCN_VU-Vulnerable	Desert dunes	Inhabits a small segment of the sand and dune areas of the Coachella Valley, in the vicinity of Palm Springs.	Found in the large, undulating dunes piled up at the north base of Mt San Jacinto.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Taxidea taxus	American badger	Mammals	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Alkali marsh Alkali playa Alpine Alpine dwarf scrub Bog & fen Brackish marsh Broadleaved upland forest Chaparral Chenopod scrub Cismontane woodland Closed-cone coniferous forest Coastal bluff scrub Coastal dunes Coastal prairie Coastal scrub Desert dunes Desert wash Freshwater marsh Great Basin grassland Great Basin scrub Interior dunes lone formation Joshua tree woodland Limestone Lower montane coniferous forest	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils.	Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Thamnophis hammondi	two-striped gartersnake	Reptiles	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S Sensitive	Marsh & swamp Riparian scrub Riparian woodland Wetland	Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation.	Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	No suitable habitat is present on site. This species is not present.
Toxostoma lecontei	Le Conte's thrasher	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	Desert wash Mojavean desert scrub Sonoran desert scrub	Desert resident; primarily of open desert wash, desert scrub, alkali desert scrub, and desert succulent scrub habitats.	Commonly nests in a dense, spiny shrub or densely branched cactus in desert wash habitat, usually 2-8 feet above ground.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	TaxonGroup	Federal List	California List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Vireo bellii pusillus	least Bell's vireo	Birds	Endangered	Endangered	IUCN_NT-Near Threatened NABCI_YWL-Yellow Watch List	Riparian forest Riparian scrub Riparian woodland	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft.	Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	No suitable habitat is present on site. This species is not present.
Xanthocephalus xanthocephalus	yellow-headed blackbird	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Marsh & swamp Wetland	Nests in freshwater emergent wetlands with dense vegetation and deep water. Often along borders of lakes or ponds.	Nests only where large insects such as Odonata are abundant, nesting timed with maximum emergence of aquatic insects.	No suitable habitat is present on site. This species is not present.
Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	Mammals	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern	Chenopod scrub Sonoran desert scrub	Restricted to the Coachella Valley. Prefers desert succulent scrub, desert wash, desert scrub, alkali scrub, and levees.	Prefers open, flat, grassy areas in fine-textured, sandy soil. Density correlated with winter rainfall.	No suitable habitat is present on site. This species is not present.



View of project site from the south.



View of heavily disturbed area on site.



View of man-made storm water intake on the eastern boundary of the site.



View of western portion of project site.

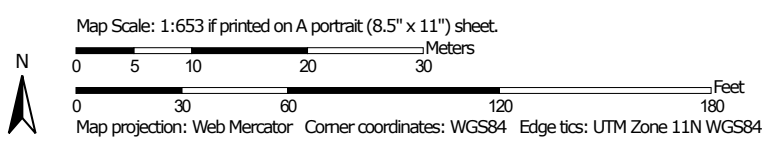


View of man-made drainage located beyond the southern border of project site.



View of ornamental trees within and around the southern portion of the site.

Soil Map—Western Riverside Area, California



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Western Riverside Area, California

Survey Area Data: Version 12, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 1, 2018—Jun 30, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RaB2	Ramona sandy loam, 2 to 5 percent slopes, eroded	1.8	100.0%
Totals for Area of Interest		1.8	100.0%