



**GENERAL BIOLOGICAL ASSESSMENT
FOR
ASSESSOR'S PARCEL NUMBER
177-020-084**

CITY OF JURUPA VALLEY, COUNTY OF RIVERSIDE, CALIFORNIA

Prepared for:

**EPD Solutions
3333 Michelson Drive, Suite 500
Irvine, CA 92612**

Prepared by:

**Hernandez Environmental Services
17037 Lakeshore Drive
Lake Elsinore, CA 92530**

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1.0 Introduction

Hernandez Environmental Services (HES) was contracted by Premium Land Development to prepare a General Biological Assessment (GBA) for Assessor's Parcel Number (APN) 177-020-084 located within the city of Jurupa Valley, Riverside County, California.

1.1 Project Site Location

The project site consists of Riverside County Assessor's Parcel Number (APN) 177-020-084. The 5.95-acre property is located at 6401 33rd Street in the city of Jurupa Valley, Riverside County, California. Specifically, the project site is located within land grant, Jurupa Stearns within *Fontana* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude for the project site are 34° 00' 45.6187" North, 117° 25' 18.6705" West (Figures 1 and 2, *Location Map* and *Vicinity Map*).

1.2 Project Description

The project proposes the development of Jurupa Hills Post Acute campus expansion (Figure 3). The proposed project consists of a subdivision followed by construction of two new buildings with associated parking, water quality basin, and street improvements. The development will result in impacts to approximately 5.95 acres.

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 (CNDDB), the U.S. Fish and Wildlife Service (USFWS) Endangered Species Lists, and the California Native Plant Society (CNPS) Rare Plant Inventory to obtain species information for the project area. The CNDDB 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 known occurrences of sensitive species within Riverside County.

2.1.1 Western Riverside County MSHCP

The Western Riverside County MSHCP 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 (CDFW), 146 listed and special-status plant and animal species receive some level of coverage under the Western Riverside County MSHCP. Of the 146 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 County of Riverside, 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 County 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 area is located within the Jurupa Area Plan of the Western Riverside County MSHCP. The project site is not located within or adjacent to a MSHCP Criteria Cell or Cell Group. The site is not located within plan-defined areas requiring surveys for criteria area species, amphibian species, or mammalian species. However, the project site is located within plan defined areas requiring surveys for burrowing owl (*Athene cunicularia*) and the following Narrow Endemic plant species: San Diego ambrosia (*Ambrosia pumila*), Brand's phacelia (*Phacelia stellaris*), San Miguel savory (*Clinopodium chandleri*).

A habitat assessment was conducted for burrowing owl following Step 1 of the Burrowing Owl Survey Instructions for the Western Riverside MSHCP. The project area is primarily comprised of sparse ruderal vegetation with evidence of past weed abatement activities. The habitat assessment determined that the site does not provide suitable habitat for BUOW. Therefore, Step 2 of the Western Riverside MSHCP Burrowing Owl Survey protocol is not required.

A habitat assessment conducted on the site determined that there is no suitable habitat for burrowing owl due to the absence of small mammal burrows, the site is surrounded by development, and no evidence of ground squirrel or other small mammal activity was observed on the site. A habitat assessment conducted on the site determined that there is no suitable habitat for Narrow Endemic plant species due to the absence of coastal dunes, coastal scrub, chaparral, woodlands, valley and foothill grassland, vernal pools and suitable soils.

2.2 Field Survey

On October 25, 2024, HES biologists conducted a field survey of the approximate 5.95-acre survey area. The ambient temperature at 7:50 A.M. was 57 degrees Fahrenheit, sunny, with winds 0-2 miles per hour from the west. 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 primarily consists of ruderal habitat with disturbed areas and a portion of non-native grassland. Elevations range from 879 feet above mean sea-level (AMSL) to 909 feet AMSL. Surrounding areas of the project site include Jurupa Hills Post Acute nursing facility directly west, residential areas to the north and east, and a vacant parking lot to the south.

3.2 Soils

Two soil classifications have historically been mapped on the project site by the USDA Web Soil Survey (Appendix D). Onsite mapped soils are described in Table 1.

Table 1
Onsite Soil Types

Unit Name	Unit Symbol	Slope & Characteristics
Delhi fine sand	DaD2	2 to 15 percent slopes, wind eroded
Greenfield sandy loam	GyC2	2 to 8 percent slopes, eroded

3.3 Plant and Habitat Communities

The 5.95-acre project site is comprised of three different habitat types; ruderal, disturbed, and non-native grassland (Figure 4). These habitats are described below:

Ruderal

Approximately 5.32 acres of ruderal habitat occurs on site. This habitat is characterized by telegraph weed (*Heterotheca grandiflora*). Other species within this habitat include Common asparagus fern (*Asparagus setaceus*), hottentot fig (*Carpobrotus edulis*), Jimson weed (*Datura wrightii*), shortpod mustard (*Hirschfeldia incana*), tree tobacco (*Nicotiana glauca*), and Peruvian pepper tree (*Schinus molle*).

Disturbed

Approximately 0.31 acre of disturbed habitat occurs on site. This area is characterized by a dirt path that contains little to no vegetation. Shortpod mustard and Bermuda grass (*Cynodon dactylon*) are along the edges of the disturbed areas.

Non-native Grassland

Approximately 0.32 acre of non-native grassland habitat occurs on site. This area is characterized by mouse barley (*Hordeum murinum*) and Bermuda grass. Other species in this habitat include common sunflower (*Helianthus annuus*), tree tobacco, Goodding's willow (*Salix gooddingii*), and Mexican fan palm (*Washingtonia robusta*).

3.4 Wildlife

General wildlife species documented on the project site or within the vicinity of the site include Anna's hummingbird (*Calypte anna*), common raven (*Corvus corax*), house finch (*Haemorhous mexicanus*), northern mockingbird (*Mimus polyglottos*), black phoebe (*Sayornis nigricans*), yellow-rumped warbler (*Setophaga coronata*), western meadowlark (*Sturnella neglecta*), and white crowned sparrow (*Zonotrichia leucophrys*).

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 vacant land characterized by ruderal habitat and surrounded by development. No wildlife movement corridors were found to be present on the project site.

4.0 Sensitive Biological Resources

4.1 Threatened and Endangered Species

A total of 64 sensitive species of plants and 61 sensitive species of animals has the potential to occur on or within the vicinity of the project location. These include those species listed or candidates for listing by the USFWS, CDFW, and 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 County MSHCP. 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.

4.1.1 Threatened and Endangered Plants

A total of 18 plant species are listed as state and/or federally Threatened, Endangered, or Candidate species; or are 1B.1 listed plants on the CNPS Rare Plant Inventory. Other sensitive species that have the potential to occur will also be described in this section. 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. This species is found in sandy areas of chaparral, coastal scrub, and desert dune habitats. No suitable habitat for this species occurs on site. **This species is not present.**

San Diego ambrosia

San Diego ambrosia (*Ambrosia pumila*) is a federally Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It can be found in sandy loam or clay soil on margins or near vernal pools. Its habitats include chaparral, coastal scrub, valley, and foothill grassland. There is no habitat for this species present on the project site. **This species is not present.**

Marsh sandwort

Marsh sandwort (*Arenaria paludicola*) is federally, and state listed as an Endangered Species. It is also ranked as 1B.1 in the CNPS Rare Plant Inventory. This species grows up through dense mats of *Typha*, *Juncus*, and *Scirpus* in freshwater marsh. This species is found in marsh and swamp habitats. There is no habitat for this species present on the project site. **This species is not present.**

Horn's milk-vetch

Horn's milk-vetch (*Astragalus hornii* var. *hornii*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is often found in lake margins and habitats such as meadows, seeps, and playas. There is no habitat for this species present on the project site. **This species is not present.**

Nevin's barberry

Nevin's barberry (*Berberis nevinii*) is federally, and state listed as an Endangered Species. It is also ranked as 1B.1 in the CNPS Rare Plant Inventory. It is commonly found on steep, north facing slopes or in low grade sandy washes. The habitat for this species includes chaparral, cismontane woodland, coastal scrub, and riparian scrub. There is no suitable habitat on site for this species. **This species is not present.**

Thread-leaved brodiaea

The thread-leaved brodiaea (*Brodiaea filifolia*) is a federally Threatened and state Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. 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 not present.**

Smooth Tarplant

Smooth tarplant (*Centromadia pungens* ssp. *laevis*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, and valley and foothill grasslands. It is most commonly found in alkali meadow, alkali scrub, and disturbed habitat. No habitat for this species is present on the project site. **This species is not present.**

Salt marsh bird's-beak

Salt marsh bird's-beak (*Chloropyron maritimum* ssp. *Maritimum*) is a federally, and state listed Endangered Species. It can often be found in higher zones of salt marsh. This species' habitats include marshes, swamps, and coastal dunes. There is no suitable habitat on site for this species. **This species is not present.**

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 not present.**

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 not present.**

Santa Ana River woollystar

Santa Ana River woollystar (*Eriastrum densifolium ssp. Sanctorum*) is federally, and state listed as and Endangered Species and is ranked as 1B.1 in the CNPS Rare Plant Inventory. It can be found in sandy soils on river floodplains or terraced fluvial deposits. Its habitat includes coastal scrub and chaparral. there is no suitable habitat on site for this species. **This species is not present.**

Mesa Horkelia

Mesa horkelia (*Horkelia cuneate var. puberula*) is ranked 1B.1 in the CNPS rare plant inventory. It is typically found in sandy or gravelly sites. Its habitat includes chaparral, cismontane woodland, and coastal scrub. No habitat for this species is present on the project site. **This species is not present.**

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. It is usually found on alkaline soils in playas, sinks, and grasslands. No habitat for this species is present on the project site. **This species is not present.**

Parish's bushmallow

Parish's bushmallow (*Malacothamnus parishii*) is ranked 1A in the CNPS Rare Plant Inventory. Its habitat includes chaparral and coastal sage scrub. It is usually found in a wash. No habitat for this species is present on the project site. **This species is not present.**

Jokerst's Monardella

Jokerst's monardella (*Monardella australis ssp. jokerstii*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found on steep scree or talus slopes between breccia. Its habitat includes chaparral, and lower montane coniferous forest. No habitat for this species is present on the project site. **This species is not present.**

Pringle's monardella

Pringle's monardella (*Monardella pringlei*) is ranked 1A in the CNPS Rare Plant Inventory. Its habitat includes coastal sage scrub. It is usually found on sandy hills. No habitat for this species is present on the project site. **This species is not present.**

Gambel's water cress

Gambel's water cress (*Nasturtium gambelii*) is federally listed as an Endangered Species and state listed as a Threatened Species. Its also ranked as 1B.1 in the CNPS Rare Plant Inventory. This species is commonly found in freshwater and brackish marshes at the margins of lakes and along streams, in or just above the water level. Its habitat includes marshes and swamps. There is no suitable habitat on site for this species. **This species is not present.**

Brand's Star Phacelia

Brand's star phacelia (*Phacelia stellaris*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes coastal dunes and coastal scrub. No habitat for this species is present on the project site. **This species is not present.**

4.1.3 Threatened and Endangered Animals

A total of 21 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. Below are descriptions of these species:

Southwestern pond turtle

Southwestern pond turtle (*Actinemys pallida*) is a federally listed Proposed Threatened species. This species uses permanent and seasonal aquatic habitats including rivers, sloughs, lakes, reservoirs, ponds, and irrigation canals. Nesting typically occurs within 100 meters of aquatic habitat in areas with compact well-drained soil, sparse vegetation, and good sun exposure. There is no habitat for this species on the project site. **This species is not present.**

Tricolored blackbird

Tricolored blackbird (*Agelaius tricolor*) is a state listed Threatened Species 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 not present.**

Burrowing owl

Burrowing owl (*Athene cunicularia*) is listed by the CDFW as a Species of Special Concern. This species is commonly found in open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Burrowing owls are dependent upon burrowing mammals, most notably, the California ground squirrel (*Otospermophilus beecheyi*). A habitat assessment conducted on the site

determined that there is no suitable habitat due to the absence of small mammal burrows, the site is surrounded by development, and no evidence of ground squirrel or other small mammal activity was observed on the site. There is no habitat for this species on the project site. **This species is not present.**

Crotch bumble bee

Crotch bumble bee (*Bombus crotchii*) is a state Candidate Endangered species. It is located in coastal California east to the Sierra-Cascade crest and south into Mexico. Its food plan genera include *Antirrhinum*, *Phacelia*, *Clarkia*, *Dendromecon*, *Eschscholzia*, and *Eriogonum*. There is no habitat for this species on the project site. **This species is not present.**

Swainson's hawk

Swainson's hawk (*Buteo swainsoni*) is a state listed Threatened Species. This species requires adjacent suitable foraging areas such as grasslands, alfalfa, or grain fields supporting rodent populations. The habitat for this species includes Great Basin grassland, riparian forest, riparian woodland, valley, and foothill grassland. There is no habitat for this species on the project site. **This species is not present.**

Santa Ana sucker

Santa Ana sucker (*Catostomus santaanae*) is state listed as a Threatened Species. This species prefers sand-rubble-boulder bottoms, cool, clear water, and algae. The habitat for this species includes aquatic and south coast flowing waters. There is no habitat for this species on the project site. **This species is not present.**

Southern rubber boa

Southern rubber boa (*Charina umbratica*) is a state listed Threatened Species. This species is commonly found in montane forest habitats in the vicinity of streams or wet meadows; requiring loose, moist soil for burrowing. The habitats for this species include riparian forest, riparian woodland, upper montane coniferous forest and wetland. There is no suitable habitat for this species on site. **This species is not present.**

Western yellow-billed cuckoo

Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*) is a federally listed Threatened and state listed Endangered Species. This species typically nests in riparian jungles of willows, often mixed with cottonwoods, with a lower story of blackberry, nettles, or wild grape. It is found in riparian forest habitat. The project site does not contain suitable habitat for this species. **This species is not present.**

San Bernardino kangaroo rat

San Bernardino kangaroo rat (*Dipodomys merriami parvus*) is a federally listed Endangered Species, 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 not present.**

Stephen's kangaroo rat

Stephens' kangaroo rat (*Dipodomys stephensi*) is a federally, and state listed Threatened Species. This species is found in coastal sage scrub with sparse vegetation cover, and in valley and foothill grasslands. This species prefers buckwheat (*Eriogonum* sp.), chamise (*Adenostoma fasciculatum*), brome grass (*Bromus* sp.), and filaree (*Erodium* sp.) and will burrow into firm soil. The project site does not have suitable habitat for this species. **This species is not present.**

Southwestern willow flycatcher

Southwestern willow flycatcher (*Empidonax traillii extimus*) is a federally, and state listed Endangered Species. This species is found in riparian woodland habitats in Southern California. The project site does not contain suitable habitat for this species. **This species is not present.**

Quino checkerspot butterfly

Quino checkerspot butterfly (*Euphydryas editha quino*) is a federally listed Endangered Species. It is found in chaparral and coastal sage scrub. This species requires high densities of food plants, including *Plantago erecta*, *P. insularis*, and *Orthocarpus purpureus*. The project site does not have suitable habitat for this species. **This species is not present.**

California black rail

California black rail (*Laterallus jamaicensis coturniculus*) is a state listed threatened species and is a CDFW Fully Protected Species. It inhabits freshwater marshes, wet meadows, and shallow margins of saltwater marshes bordering larger bays. This species needs water depths of about one inch that do not fluctuate throughout the year and dense vegetation for nesting habitat. Its habitat includes brackish marsh, freshwater marsh, marsh and swamp, salt marsh, and wetland. The project site does not have suitable habitat for this species. **This species is not present.**

Steelhead-southern California DPS

Steelhead-southern California DPS (*Oncorhynchus mykiss irideus* pop. 10) is federally listed as an Endangered Species and state listed as a Candidate Endangered Species. The Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions. The habitat for this species includes aquatic and south coast flowing waters. There is no suitable habitat for this species on site. **This species is not present.**

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 have suitable habitat for this species. **This species is not present.**

Southern mountain yellow-legged frog

Southern mountain yellow-legged frog (*Rana muscosa*) is a federal and state listed Endangered Species. This species is typically found within a few feet of water and requires 2-4 years to complete development. This species is found in aquatic habitats. There is no suitable habitat for this species on site. **This species is not present.**

Delhi Sands flower-loving fly

Delhi Sands flower-loving fly (*Spea hammondi*) is federally listed as an Endangered Species. This species occurs primarily in grassland habitats but can be found in valley-foothill hardwood woodlands and vernal pools are essential for breeding and egg-laying. There is no suitable habitat for this species on site. **This species is not present.**

Santa Ana speckled dace

Santa Ana speckled dace (*Rhinichthys gabrielino*) is federally listed as a Proposed Threatened Species. This species occurs primarily in headwaters of the Santa Ana and San Gabriel rivers and may be extirpated from the Los Angeles River system. This species requires permanent flowing streams with summer water temps of 17-20 C and usually inhabits shallow cobble and gravel riffles. There is no suitable habitat for this species on site. **This species is not present.**

Western Spadefoot

Western spadefoot (*Rhaphiomidas terminates abdominalis*) is federally listed as a Proposed Threatened Species. This species requires fine, sandy, soils, often with wholly or partly consolidated dunes and sparse vegetation. The habitat for this species is interior dunes. There is no suitable habitat for this species on site. **This species is not present.**

Riverside fairy shrimp

Riverside fairy shrimp (*Streptocephalus woottoni*) is a federally listed Endangered Species. This species is found in coastal scrub, valley and foothill grassland, vernal pool, and wetland habitat. This species typically inhabits seasonally astatic pools filled by winter/spring rains. The project site does not contain suitable habitat for this species. **This species is not present.**

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. The project site does not contain suitable habitat for this species. **This species is not present.**

4.2 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 shrubs and trees that can be utilized by nesting birds during the nesting bird season of February 1 through September 15.

4.3 Critical Habitat

The project site is not within any federal critical habitat boundaries for sensitive species. The closest federal critical habitat to the project site is coastal California gnatcatcher critical habitat approximately 0.1 mile east and separated by residential development. No suitable coastal California gnatcatcher habitat was found on site during the general biological field assessment due to the absence of coastal bluff scrub and coastal scrub habitat.

4.4 State and Federal Drainages

The project area does not contain any drainage, riparian, or riverine features. There are no CDFW, United States Army Corps of Engineers (USACE), or Regional Water Quality Control Board (RWQCB) jurisdictional waters within the project boundaries. Also, the project area does not contain any wetlands or vernal pools.

5.0 Project Impacts

5.1 Impacts to Existing Habitats

The proposed project will impact the entire 5.95 acres survey area of 5.32 acres of ruderal habitat, 0.31 acre of disturbed areas and 0.32 acre of non-native grassland (Figure 5).

5.2 Impacts to Sensitive Species

The following species have the potential to occur on site. Project activities were evaluated to determine the potential for impacts to these species.

5.2.1 Impacts to Sensitive Plants

No sensitive plant species have the potential to occur on site. Therefore, no impacts to sensitive plants will occur.

5.2.2 Impacts to Sensitive Wildlife

No state or federally listed threatened or endangered wildlife species have the potential to occur on site. Therefore, no impacts to sensitive wildlife will occur.

5.3 Impacts to Nesting Birds

If the project will remove shrubs between February 1 and September 15, the project will have a potential to impact nesting birds. Implementation of the measures identified in the Recommendations section of this report will ensure that potential impacts to nesting birds are less than significant.

5.4 Impacts to Critical Habitat

The project site is not within any federal critical habitat boundaries for sensitive species. The closest federal critical habitat to the project site is coastal California gnatcatcher critical habitat approximately 0.1 mile east. No suitable coastal California gnatcatcher habitat was found on site during the general biological field assessment due to the absence of coastal bluff scrub and coastal scrub habitat. No impacts to critical habitat are expected.

5.5 Impacts to State and Federal Drainages

The project site does not contain state or federal drainages. In addition, no vernal pools or wetlands are present on the site. The proposed project is not expected to result in any temporary or permanent impacts to jurisdictional drainages.

5.6 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. Typically, mountain canyons or riparian corridors are used by wildlife as corridors; the project site does not contain these features. The project site primarily consists of flat, ruderal habitat characterized by non-native vegetation. No wildlife movement corridors were found to be present on the project site. No impacts to wildlife movement corridors are expected.

5.7 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 trees are located on the project site. Therefore, development of the project site would not conflict with local policies or ordinances protecting biological resources.

5.8 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 site is located within the boundaries of the Western Riverside MSHCP. If Western Riverside MSHCP guidelines and requirements are followed, no conflicts are expected.

6.0 Western Riverside County MSHCP Consistency Analysis**6.1 MSHCP Requirements**

The project area is located within the Jurupa Area Plan of the Western Riverside County MSHCP. The project site is not located within or adjacent to a MSHCP Criteria Cell or a Cell Group. A discussion of the applicable Western Riverside County MSHCP requirements follows:

Section 6.1.2 Species Associated with Riparian/Riverine Habitat and Vernal Pools

The project area does not contain any drainage, riparian, or riverine features. In addition, none of the riparian/riverine bird species listed in Section 6.1.2 of the MSHCP were found within the project area. 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. The site was evaluated as described in the USFWS Survey Guidelines for the Listed Large Branchiopods (May 31, 2016). The project area is primarily comprised of sandy loams. The onsite soil does not allow for water pooling on the site for any significant length of time after rain events. No vernal pools, swales, or vernal pool mimics such as ditches, borrow pits, cattle troughs, or cement culverts with signs of pooling water were found on the site. In addition, the site does not contain areas that showed signs of ponding water, hydrophytic vegetation, or soils typical of vernal pools that would be suitable for large branchiopods.

Section 6.1.3 Sensitive Plant Species

The site is within a NEPSSA-designated area for three plant species: San Diego ambrosia, Brand's phacelia, San Miguel savory. The project site is dominated by ruderal vegetation. A habitat assessment was conducted for these species and found that no habitat suitable for supporting these species occurs on site. A more thorough habitat analysis is provided in the table below.

Table 1.**Narrow Endemic Species**

Scientific Name	Common Name	Habitat	Blooming Period	Project Site Habitat Assessment
<i>Phacelia stellaris</i>	Brand's phacelia	found in coastal dunes and coastal scrub	March-June	No coastal dunes or coastal scrub occur on site. This species is not present onsite.
<i>Ambrosia pumila</i>	San Diego ambrosia	Typically occurs in non-wetlands, occasionally in wetlands. Found on sandy loam or clay soil often in disturbed areas in chaparral, coastal scrub, valley and foothill grassland, and vernal pools	April-October	No chaparral, coastal scrub, valley and foothill grassland, or vernal pools occur on site. This species is not present onsite.
<i>Satureja chandleri</i>	San Miguel savory (Santa Rosa Plateau, Steele Rock)	Typically occurs on rocky, gabbroic or metavolcanic soil in chaparral, cismontane woodland, coastal scrub, riparian woodland, and valley and foothill grassland	March-July	No suitable soil or habitat on site. This species is not present onsite.

Section 6.1.4 Urban/Wildlands Interface Guidelines

The project site is not located within or adjacent to the 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.

Section 6.3.2 Additional Surveys and Procedures

The project site is not located within the Western Riverside County MSHCP Additional Survey areas for amphibians, mammals, or any special linkage areas. The project site is not located within the Western Riverside County MSHCP Criteria Area Plant Species Survey Area (CAPSSA) pursuant to Section 6.3.2 of the Western Riverside County MSHCP.

The project site is located within the Western Riverside County MSHCP Additional survey area for burrowing owl. A habitat assessment conducted on the site determined that there is no suitable habitat due to the absence of small mammal burrows, the site is surrounded by development, and no evidence of ground squirrel or other small mammal activity was observed on the site. Therefore, no suitable habitat is present for this species on site and Step 2 of the Western Riverside MSHCP Burrowing Owl Survey protocol is not required.

However, due to the fact that the project site is located within the Western Riverside County MSHCP burrowing owl survey area, a 30-day preconstruction survey is required prior to the commencement of project activities (e.g. vegetation clearing, clearing and grubbing, tree removal, site watering) to ensure that no owls have colonized the site in the days or weeks preceding project activities. If BUOW are found to have colonized the project site prior to the initiation of construction, the project proponent will immediately inform RCA and the Wildlife Agencies and will need to prepare a Burrowing Owl Protection and Relocation Plan for approval by RCA and the Wildlife Agencies prior to initiating ground disturbance. If ground-disturbing activities occur but the site is left undisturbed for more than 30 days, a pre-construction survey will again be necessary to ensure burrowing owl has not colonized the site since it was last disturbed. If burrow owl is found, the same coordination described above will be necessary.

7.0 Recommendations

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

Burrowing Owl

- Due to the fact that the project site is located within the Western Riverside County MSHCP burrowing owl survey area, a 30-day preconstruction survey is required prior to the commencement of project activities (e.g. vegetation clearing, clearing and grubbing, tree removal, site watering) to ensure that no owls have colonized the site in the days or weeks preceding project activities.
- If burrowing owl are found to have colonized the project site prior to the initiation of construction, the project proponent will immediately inform RCA and the Wildlife Agencies and will need to prepare a Burrowing Owl Protection and Relocation Plan for approval by RCA and the Wildlife Agencies prior to initiating ground disturbance.
- If ground-disturbing activities occur but the site is left undisturbed for more than 30 days, a pre-construction survey will again be necessary to ensure burrowing owl has not colonized the site since it was last disturbed. If burrow owl is found, the same coordination described above will be necessary.

Nesting Birds

- It is recommended that vegetation removal be conducted during the non-nesting season for migratory birds to avoid direct impacts. The non-nesting season is between February 1 and September 15.
- If vegetation removal will occur during the migratory bird nesting season, between February 1 and September 15, it is recommended that pre-construction nesting bird surveys be performed within three days prior to vegetation removal.
- If active nests are found during nesting bird surveys, they shall be flagged, and a 200-foot buffer shall be fenced around the nests.
- A biological monitor shall visit the site once a week during ground disturbing activities to ensure all fencing is in place and no sensitive species are being impacted.

8.0 Certification

***"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 11/07/2024

Signed

PROJECT MANAGER

Fieldwork Performed By:

Sarah Vasquez

BIOLOGIST

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FIGURE 1



Figure 1

Location Map

APN 177-020-084

Riverside County, California

Legend

 Survey Area



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FIGURE 2

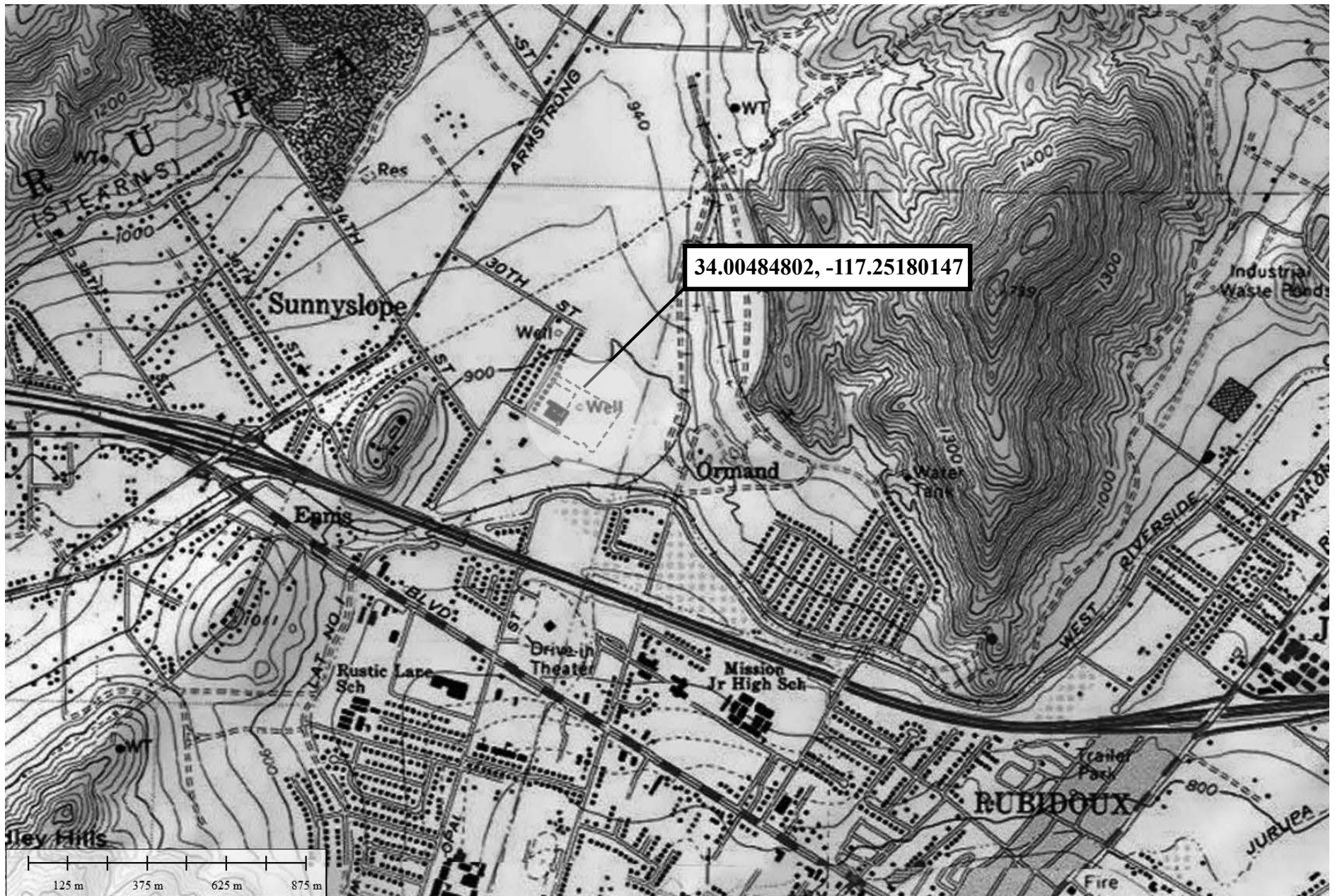


Figure 2

Vicinity Map
 APN 177-020-084
 Riverside County, California

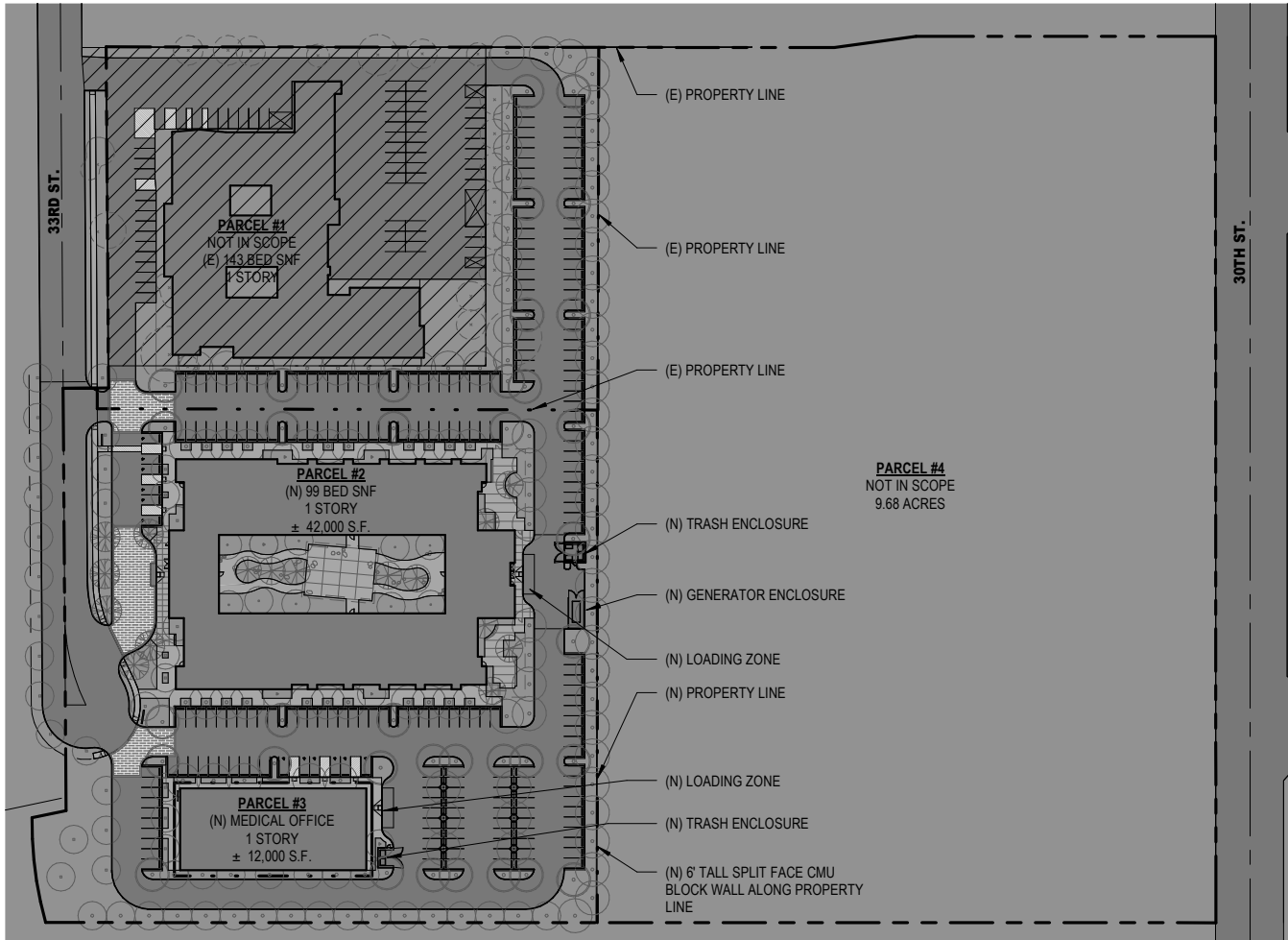
Legend

 Survey Area



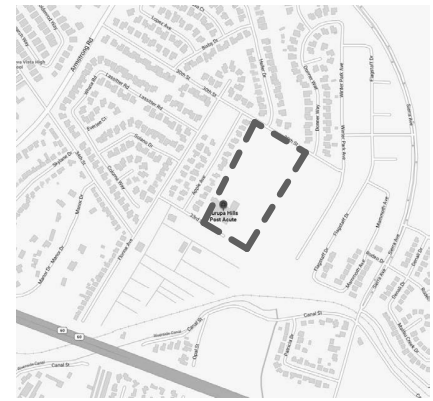
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FIGURE 3



A-1 OVERALL SITE PLAN
1" = 100'-0"

VICINITY MAP



PROJECT INFO

PROJECT ADDRESS: 6401 33RD St, RIVERSIDE, CA 92509
CURRENT ZONING: R-R (Rural Residential)
PROPOSED ZONING: R-3 (General Residential)
PARKING REQUIREMENT: SEE CHART BELOW
BIKE PARKING REQUIRED:
EMPLOYEES: 1 PER 25 PARKING SPACES REQUIRED = 108/25 = 5
VISITORS: 1 PER 33 PARKING SPACES REQUIRED = 108/33 = 4
TOTAL: 9 SPACES REQUIRED

REQUIRED TOTAL NUMBER OF PARKING STALLS		
SPACE TYPE	REFERENCE	QUANTITY
NEW SNF PARKING REQUIRED	1 SPACE PER 3 EMPLOYEES + 1 SPACE PER 3 BEDS + 1 SPACE PER INSTITUTION VEHICLE = (40 STAFF/3) + (99 BEDS/3) + 1	48
NEW MEDICAL OFFICE PARKING REQUIRED	1 SPACE PER 200 S.F. OF NET LEASEABLE AREA	60
TOTAL SPACES REQUIRED		108
PROVIDED TOTAL NUMBER OF PARKING STALLS		
SPACE TYPE		QUANTITY
TOTAL STANDARD PROVIDED		236
TOTAL ACCESSIBLE PROVIDED (SEE BREAKDOWN BELOW)		12
TOTAL PARKING PROVIDED		248

REQUIRED ACCESSIBLE PARKING STALLS		
SPACE TYPE	REFERENCE	QUANTITY
STANDARD ACCESSIBLE REQUIRED	SNF: 6 PER CBC TABLE 11B-208.2	12
	MEDICAL OFFICE: 6 PER 11B-208.2.1	
VAN ACCESSIBLE REQUIRED	PER 11B-208.2.4	2
TOTAL ACCESSIBLE REQUIRED		12
PROVIDED ACCESSIBLE PARKING STALLS		
SPACE TYPE		QUANTITY
STANDARD ACCESSIBLE PROVIDED		10
VAN ACCESSIBLE PROVIDED		2
TOTAL ACCESSIBLE PROVIDED		12



TAYLOR design



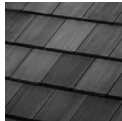
SOUTH ELEVATION



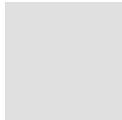
NORTH ELEVATION



WEST ELEVATION



CONCRETE TILE ROOF



OFF-WHITE PAINT FOR TRIM



SMOOTH TEXTURED STUCCO - BEIGE



WINDOWS WITH WHITE MULLIONS

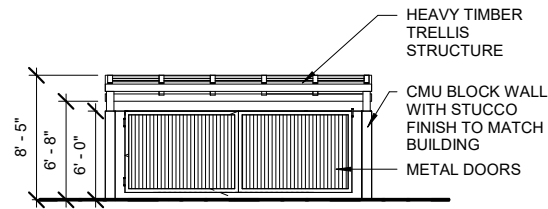
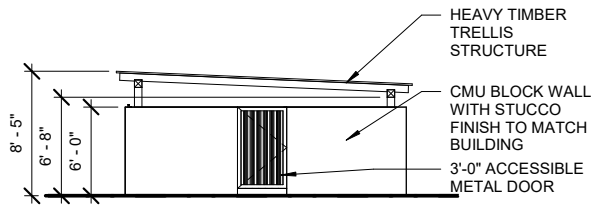


ALUMINUM STOREFRONT SYSTEM



EAST ELEVATION

A-4 SNF ELEVATIONS
1/32" = 1'-0"

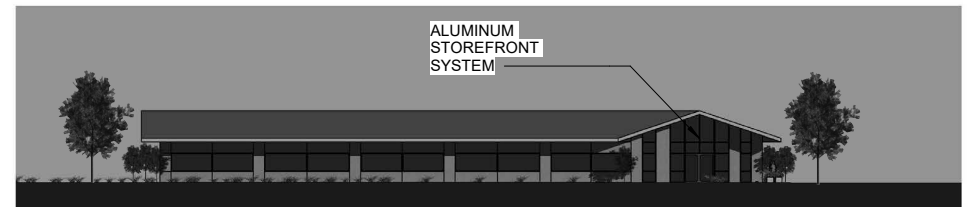


A-6 TYPICAL TRASH ENCLOSURE ELEVATIONS

1/8" = 1'-0"



SOUTH ELEVATION



WEST ELEVATION



NORTH ELEVATION



EAST ELEVATION

A-5 MEDICAL OFFICE ELEVATIONS

1/32" = 1'-0"

FIGURE 4



Figure 3

Habitat Map
APN 177-020-084
Riverside County, California

Legend

- | | |
|--|--|
|  Survey Area |  Disturbed (0.31 Acre) |
|  Ruderal (5.32 Acres) |  Non-native grassland 0.32 Acre) |



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FIGURE 5



Figure 5

Impact Map
 APN 177-020-084
 Riverside County, California

Legend

	Limits of Impact (5.95 Acres)		Disturbed (0.31 Acre)
	Ruderal (5.32 Acres)		Non-native grassland 0.32 Acre)



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APPENDIX A

Observed Species List

Plant List

Scientific Name	Common Name
<i>Ambrosia psilostachya</i>	Western ragweed
<i>Asparagus setaceus</i>	Common asparagus fern
<i>Carpobrotus edulis</i>	Hottentot fig
<i>Croton setiger</i>	Doveweed
<i>Cynodon dactylon</i>	Bermuda grass
<i>Datura wrightii</i>	Jimsonweed
<i>Helianthus annuus</i>	Common sunflower
<i>Heterotheca grandiflora</i>	Telegraphweed
<i>Hirschfeldia incana</i>	Shortpod mustard
<i>Hordeum murinum</i>	Mouse barley
<i>Nicotiana glauca</i>	Tree tobacco
<i>Pennisetum setaceum</i>	Crimson fountaingrass
<i>Salix gooddingii</i>	Goodding's willow
<i>Salsola tragus</i>	Tumbleweed
<i>Schinus molle</i>	Peruvian pepper tree
<i>Tecoma capensis</i>	Cape honeysuckle
<i>Verbesina encelioides</i>	Golden crownbeard
<i>Washingtonia robusta</i>	Mexican fan palm

Wildlife List

Scientific Name

Calypte anna

Corvus brachyrhynchos

Corvus corax

Haemorhous mexicanus

Mimus polyglottos

Sayornis nigricans

Setophaga coronata

Sturnella neglecta

Sturnus vulgaris

Thryomanes bewickii

Zonotrichia leucophrys

Common Name

Anna's Hummingbird

American crow

Common raven

House finch

Northern mockingbird

Black phoebe

Yellow-rumped warbler

Western meadowlark

European starling

Bewick's wren

White-crowned sparrow

APPENDIX B

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	Dicots	None	None	1B.1	BLM_S-Sensitive SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Coastal scrub Desert dunes	Chaparral, coastal scrub, desert dunes.	Sandy areas. - 60-1570 m.	There is no suitable habitat on site. This species is not present.
<i>Ambrosia monogyra</i>	singlewhorl burrobrush	Dicots	None	None	2B.2	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Chaparral Sonoran desert scrub	Chaparral, Sonoran desert scrub.	Sandy soils. 5-475 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Ambrosia pumila	San Diego ambrosia	Dicots	Endangered	None	1B.1	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Chaparral Coastal scrub Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	Sandy loam or clay soil; sometimes alkaline. In valleys; persists where disturbance has been superficial. Sometimes on margins or near vernal pools. 3-580 m.	There is no suitable habitat on site. This species is not present.
Arctostaphylos glandulosa ssp. gabrielensis	San Gabriel manzanita	Dicots	None	None	1B.2	BLM_S-Sensitive SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral	Chaparral.	Rocky outcrops; can be dominant shrub where it occurs. 960-2015 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
<i>Arenaria paludicola</i>	marsh sandwort	Dicots	Endangered	Endangered	1B.1	SB_SBBG-Santa Barbara Botanic Garden	Freshwater marsh Marsh & swamp Wetland	Marshes and swamps.	Growing up through dense mats of Typha, Juncus, Scirpus, etc. in freshwater marsh. Sandy soil. 3-170 m.	There is no suitable habitat on site. This species is not present.
<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.	There is no suitable habitat on site. This species is not present.
<i>Berberis nevinii</i>	Nevin's barberry	Dicots	Endangered	Endangered	1B.1	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden	Chaparral Cismontane woodland Coastal scrub Riparian scrub	Chaparral, cismontane woodland, coastal scrub, riparian scrub.	On steep, N-facing slopes or in low grade sandy washes. 90-1590 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Brodiaea filifolia	thread-leaved brodiaea	Monocots	Threatened	Endangered	1B.1	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	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.	There is no suitable habitat on site. This species is not present.
California Walnut Woodland	California Walnut Woodland	Woodland	None	None			Cismontane woodland			There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Calochortus palmeri var. palmeri	Palmer's mariposa-lily	Monocots	None	None	1B.2	BLM_S-Sensitive SB_CalBG/RSA BG-California/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.	There is no suitable habitat on site. This species is not present.
Calochortus plummerae	Plummer's mariposa-lily	Monocots	None	None	4.2	SB_CalBG/RSA BG-California/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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Calochortus weedii var. intermedius	intermediate mariposality	Monocots	None	None	1B.2	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Coastal scrub Valley & foothill grassland	Coastal scrub, chaparral, valley and foothill grassland.	Dry, rocky calcareous slopes and rock outcrops. 60-1575 m.	There is no suitable habitat on site. This species is not present.
Carex comosa	bristly sedge	Monocots	None	None	2B.1	IUCN_LC-Least Concern	Coastal prairie Freshwater marsh Marsh & swamp Valley & foothill grassland Wetland	Marshes and swamps, coastal prairie, valley and foothill grassland.	Lake margins, wet places; site below sea level is on a Delta island. -5-1010 m.	There is no suitable habitat on site. This species is not present.
Castilleja lasiorhyncha	San Bernardino Mountains owl's-clover	Dicots	None	None	1B.2	SB_CalBG/RSA BG-California/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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Centromadia pungens ssp. laevis	smooth tarplant	Dicots	None	None	1B.1	BLM_S-Sensitive SB_CalBG/RSA BG-California/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.	There is no suitable habitat on site. This species is not present.
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	Dicots	Endangered	Endangered	1B.2	BLM_S-Sensitive SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden SB_CRES-San Diego Zoo CRES Native Gene Seed Bank SB_SBBG-Santa Barbara Botanic Garden	Coastal dunes Marsh & swamp Salt marsh Wetland	Marshes and swamps, coastal dunes.	Limited to the higher zones of salt marsh habitat. 0-10 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Chorizanthe parryi var. parryi	Parry's spineflower	Dicots	None	None	1B.1	BLM_S-Sensitive SB_CalBG/RSA BG-California/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 m.	There is no suitable habitat on site. This species is not present.
Chorizanthe xanti var. leucotheca	white-bracted spineflower	Dicots	None	None	1B.2	BLM_S-Sensitive SB_CalBG/RSA BG-California/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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Cladium californicum	California saw-grass	Monocots	None	None	2B.2	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Alkali marsh Freshwater marsh Meadow & seep Wetland	Meadows and seeps, marshes and swamps (alkaline or freshwater).	Freshwater or alkaline moist habitats. -40-2150 m.	There is no suitable habitat on site. This species is not present.
Claytonia peirsonii ssp. peirsonii	Peirson's spring beauty	Dicots	None	None	1B.2	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Subalpine coniferous forest Upper montane coniferous forest	Upper montane coniferous forest, subalpine coniferous forest.	Granitic scree slopes, often with a sandy or fine soil component and granitic cobbles. 1510-2745 m.	There is no suitable habitat on site. This species is not present.
Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	Marsh	None	None			Marsh & swamp Wetland			There is no suitable habitat on site. This species is not present.
Cuscuta obtusiflora var. glandulosa	Peruvian dodder	Dicots	None	None	2B.2		Marsh & swamp Wetland	Marshes and swamps (freshwater).	Freshwater marsh. 15-280 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Dodecahema leptoceras	slender-horned spineflower	Dicots	Endangered	Endangered	1B.1	SB_CalBG/RSA BG-California/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 m.	There is no suitable habitat on site. This species is not present.
Dudleya multicaulis	many-stemmed dudleya	Dicots	None	None	1B.2	BLM_S-Sensitive SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Coastal scrub Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	In heavy, often clayey soils or grassy slopes. 1910 m.	There is no suitable habitat on site. This species is not present.
Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	Dicots	Endangered	Endangered	1B.1	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden	Chaparral Coastal scrub	Coastal scrub, chaparral.	In sandy soils on river floodplains or terraced fluvial deposits. 180-705 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Eriogonum microthecum var. johnstonii	Johnston's buckwheat	Dicots	None	None	1B.3	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Limestone Subalpine coniferous forest Upper montane coniferous forest	Subalpine coniferous forest, upper montane coniferous forest.	Slopes and ridges on granite or limestone. 1795-2865 m.	There is no suitable habitat on site. This species is not present.
Fimbristylis thermalis	hot springs fimbristylis	Monocots	None	None	2B.2	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden	Meadow & seep Wetland	Meadows and seeps (alkaline).	Near hot springs. 115-1585 m.	There is no suitable habitat on site. This species is not present.
Galium californicum ssp. primum	Alvin Meadow bedstraw	Dicots	None	None	1B.2	BLM_S-Sensitive SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden 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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Los Angeles sunflower	Dicots	None	None	1A		Freshwater marsh Marsh & swamp Salt marsh Wetland	Marshes and swamps (coastal salt and freshwater).	35-1525 m.	There is no suitable habitat on site. This species is not present.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	Dicots	None	None	1B.1	BLM_S-Sensitive SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub.	Sandy or gravelly sites. 15-1645 m.	There is no suitable habitat on site. This species is not present.
<i>Imperata brevifolia</i>	California satintail	Monocots	None	None	2B.1	SB_CalBG/RSA BG-California/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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	Dicots	None	None	1B.1	BLM_S-Sensitive SB_CalBG/RSA BG-California/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.	There is no suitable habitat 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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Lilium parryi	lemon lily	Monocots	None	None	1B.2	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden SB_CRES-San Diego Zoo CRES Native Gene Seed Bank 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 and seeps. 625-2930 m.	There is no suitable habitat on site. This species is not present.
Linanthus concinnus	San Gabriel linanthus	Dicots	None	None	1B.2	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Lower montane coniferous forest Upper montane coniferous forest	Lower montane coniferous forest, upper montane coniferous forest, chaparral.	Dry rocky slopes, often in Jeffrey pine/canyon oak forest. 1310-2560 m.	There is no suitable habitat on site. This species is not present.
Lycium parishii	Parish's desert-thorn	Dicots	None	None	2B.3	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Coastal scrub Sonoran desert scrub	Coastal scrub, Sonoran desert scrub.	-3-570 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Malacothamnus parishii	Parish's bushmallow	Dicots	None	None	1A		Chaparral Coastal scrub	Chaparral, coastal sage scrub.	In a wash. 305-455 m.	There is no suitable habitat on site. This species is not present.
Monardella australis ssp. jokerstii	Jokerst's monardella	Dicots	None	None	1B.1	USFS_S-Sensitive	Chaparral Lower montane coniferous forest	Lower montane coniferous forest, chaparral.	Steep scree or talus slopes between breccia. Secondary alluvial benches along drainages and washes. 210-1740 m.	There is no suitable habitat on site. This species is not present.
Monardella pringlei	Pringle's monardella	Dicots	None	None	1A		Coastal scrub	Coastal scrub.	Sandy hills. 300-400 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Muhlenbergia californica	California muhly	Monocots	None	None	4.3	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden	Chaparral Coastal scrub Lower montane coniferous forest Meadow & seep	Coastal scrub, chaparral, lower montane coniferous forest, meadows and seeps.	Usually found near streams or seeps. 100-2000 m.	There is no suitable habitat on site. This species is not present.
Muhlenbergia utilis	aparejo grass	Monocots	None	None	2B.2		Chaparral Cismontane woodland Coastal scrub Marsh & swamp Meadow & seep Ultramafic	Meadows and seeps, marshes and swamps, chaparral, coastal scrub, cismontane woodland.	Sometimes alkaline, sometimes serpentinite. 25-2325 m.	There is no suitable habitat on site. This species is not present.
Nasturtium gambelii	Gambel's water cress	Dicots	Endangered	Threatened	1B.1	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden	Brackish marsh Freshwater marsh Marsh & swamp Wetland	Marshes and swamps.	Freshwater and brackish marshes at the margins of lakes and along streams, in or just above the water level. 5-305 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Navarretia prostrata	prostrate vernal pool navarretia	Dicots	None	None	1B.2	BLM_S-Sensitive	Coastal scrub Meadow & seep Valley & foothill grassland Vernal pool Wetland	Coastal scrub, valley and foothill grassland, vernal pools, meadows and seeps.	Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 3-1235 m.	There is no suitable habitat on site. This species is not present.
Opuntia basilaris var. brachyclada	short-joint beavertail	Dicots	None	None	1B.2	BLM_S-Sensitive SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	Chaparral Joshua tree woodland Mojavean desert scrub Pinon & juniper woodlands	Chaparral, Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland.	Sandy soil or coarse, granitic loam. 425-2015 m.	There is no suitable habitat on site. This species is not present.
Oreonana vestita	woolly mountain-parsley	Dicots	None	None	1B.3	BLM_S-Sensitive SB_CalBG/RSA BG-California/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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Phacelia stellaris	Brand's star phacelia	Dicots	None	None	1B.1	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden	Coastal dunes Coastal scrub	Coastal scrub, coastal dunes.	Open areas. 3-370 m.	There is no suitable habitat 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.	There is no suitable habitat on site. This species is not present.
Ribes divaricatum var. parishii	Parish's gooseberry	Dicots	None	None	1A		Riparian woodland	Riparian woodland.	Salix swales in riparian habitats. 65-300 m.	There is no suitable habitat on site. This species is not present.
Riversidian Alluvial Fan Sage Scrub	Riversidian Alluvial Fan Sage Scrub	Scrub	None	None			Coastal scrub			There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Sagittaria sanfordii	Sanford's arrowhead	Monocots	None	None	1B.2	BLM_S-Sensitive	Marsh & swamp Wetland	Marshes and swamps.	In standing or slow-moving freshwater ponds, marshes, and ditches. 0-605 m.	There is no suitable habitat on site. This species is not present.
Schoenus nigricans	black bog-rush	Monocots	None	None	2B.2	IUCN_LC-Least Concern USFS_S-Sensitive	Marsh & swamp Wetland	Marshes and swamps.	Often in alkaline marshes. 120-1525 m.	There is no suitable habitat on site. This species is not present.
Senecio aphanactis	chaparral ragwort	Dicots	None	None	2B.2	SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub.	Drying alkaline flats. 20-1020 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	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.	There is no suitable habitat on site. This species is not present.
Southern California Arroyo Chub/Santa Ana Sucker Stream	Southern California Arroyo Chub/Santa Ana Sucker Stream	Inland Waters	None	None						There is no suitable habitat on site. This species is not present.
Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	Riparian	None	None			Riparian forest			There is no suitable habitat on site. This species is not present.
Southern Riparian Forest	Southern Riparian Forest	Riparian	None	None			Riparian forest			There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Southern Riparian Scrub	Southern Riparian Scrub	Riparian	None	None			Riparian scrub			There is no suitable habitat on site. This species is not present.
Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	Riparian	None	None			Riparian woodland			There is no suitable habitat on site. This species is not present.
Southern Willow Scrub	Southern Willow Scrub	Riparian	None	None			Riparian scrub			There is no suitable habitat on site. This species is not present.
Sphenopholis obtusata	prairie wedge grass	Monocots	None	None	2B.2		Cismontane woodland Meadow & seep Wetland	Cismontane woodland, meadows and seeps.	Open moist sites, along rivers and springs, alkaline desert seeps. 15-2625 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
<i>Streptanthus bernardinus</i>	Laguna Mountains jewelflower	Dicots	None	None	4.3	SB_CalBG/RSA BG-California/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.	There is no suitable habitat on site. This species is not present.
<i>Streptanthus campestris</i>	southern jewelflower	Dicots	None	None	1B.3	BLM_S-Sensitive SB_CRES-San Diego Zoo CRES Native Gene Seed Bank 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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
<i>Symphyotrichum defoliatum</i>	San Bernardino aster	Dicots	None	None	1B.2	BLM_S-Sensitive SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden SB_CRES-San Diego Zoo CRES Native Gene Seed Bank 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.	There is no suitable habitat on site. This species is not present.
<i>Viola pinetorum</i> ssp. <i>grisea</i>	grey-leaved violet	Dicots	None	None	1B.2	BLM_S-Sensitive SB_CalBG/RSA BG-California/Rancho Santa Ana Botanic Garden	Meadow & seep Subalpine coniferous forest Upper montane coniferous forest	Subalpine coniferous forest, upper montane coniferous forest, meadows and seeps.	Dry mountain peaks and slopes. 1580-3700 m.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Accipiter cooperii	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.	There is no suitable habitat on site. This species is not present.
Actinemys pallida	southwestern pond turtle	Reptiles	Proposed Threatened	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive				There is no suitable habitat 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 USFWS_BCC-Birds of Conservation Concern	Freshwater marsh Marsh & swamp Swamp Wetland	Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California.	Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
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.	There is no suitable habitat on site. This species is not present.
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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	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.	There is no suitable habitat on site. This species is not present.
Artemisiospiza belli belli	Bell's sparrow	Birds	None	None	CDFW_WL- Watch List	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.	There is no suitable habitat on site. This species is not present.
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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
<i>Aspidoscelis tigris stejnegeri</i>	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 and riparian areas.	Ground may be firm soil, sandy, or rocky.	There is no suitable habitat on site. This species is not present.
<i>Athene cunicularia</i>	burrowing owl	Birds	None	Candidate Endangered	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.	There is no suitable habitat on site. This species is not present.
<i>Batrachoseps gabrieli</i>	San Gabriel slender salamander	Amphibians	None	None	IUCN_DD-Data Deficient USFS_S-Sensitive	Talus slope	Known only from the San Gabriel Mtns. Found under rocks, wood, and fern fronds, and on soil at the base of talus slopes.	Most active on the surface in winter and early spring.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/ Absence
<i>Bombus crotchii</i>	Crotch's bumble bee	Insects	None	Candidate Endangered	IUCN_EN- Endangered		Coastal California east to the Sierra- Cascade crest and south into Mexico.	Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	There is no suitable habitat on site. This species is not present.
<i>Bombus pennsylvanicus</i>	American bumble bee	Insects	None	None	IUCN_VU- Vulnerable	Coastal prairie Great Basin grassland Valley & foothill grassland		Long-tongued; forages on a wide variety of flowers including vetches (Vicia), clovers (Trifolium), thistles (Cirsium), sunflowers (Helianthus), etc. Nests above ground under long grass or underground. Queens overwinter in rotten wood or underground.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Buteo swainsoni	Swainson's hawk	Birds	None	Threatened	BLM_S-Sensitive IUCN_LC-Least Concern	Great Basin grassland Riparian forest Riparian woodland Valley & foothill grassland	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and 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.	There is no suitable habitat on site. This species is not present.
Catostomus santaanae	Santa Ana sucker	Fish	Threatened	None	AFS_TH-Threatened CDFW_SSC-Species of Special Concern IUCN_EN-Endangered	Aquatic South coast flowing waters	Endemic to Los Angeles Basin south coastal streams.	Habitat generalists, but prefer sand-rubble-boulder bottoms, cool, clear water, and algae.	There is no suitable habitat on site. This species is not present.
Ceratochrysis longimala	Desert cuckoo wasp	Insects	None	None					There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	Mammals	None	None		Chaparral Coastal scrub	Coastal scrub, chaparral, grasslands, sagebrush, etc. in western San Diego, Riverside, San Bernardino, and Los Angeles Counties, inclusive of Orange County.	Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	There is no suitable habitat on site. This species is not present.
Chaetodipus fallax pallidus	pallid San Diego pocket mouse	Mammals	None	None		Desert wash Pinon & juniper woodlands Sonoran desert scrub	Desert border areas of San Diego, Riverside, San Bernardino, and Los Angeles counties in desert wash, desert scrub, desert succulent scrub, pinyon-juniper, etc.	Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Charina umbratica	southern rubber boa	Reptiles	None	Threatened	IUCN_VU-Vulnerable USFS_S-Sensitive	Meadow & seep Riparian forest Riparian woodland Upper montane coniferous forest Wetland	Found in a variety of montane forest habitats. Previously considered morphologically intermediate, recent (2022) genomic analysis clarifies individuals from Mt Pinos, Tehachapi Mts, and southern Sierra Nevada are southern rubber boa.	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.	There is no suitable habitat on site. This species is not present.
Cicindela tranquebarica viridissima	greenest tiger beetle	Insects	None	None		Riparian woodland	Inhabits the woodlands adjacent to the Santa Ana River basin.	Usually found in open spots between trees.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Birds	Threatened	Endangered	BLM_S-Sensitive USFS_S-Sensitive	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.	There is no suitable habitat on site. This species is not present.
Coleonyx variegatus abbotti	San Diego banded gecko	Reptiles	None	None	CDFW_SSC-Species of Special Concern	Chaparral Coastal scrub	Coastal and cismontane Southern California.	Found in granite or rocky outcrops in coastal scrub and chaparral habitats.	There is no suitable habitat on site. This species is not present.
Coturnicops noveboracensis	yellow rail	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	Freshwater marsh Meadow & seep	Summer resident in eastern Sierra Nevada in Mono County.	Freshwater marshlands.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Crotalus ruber	red-diamond rattlesnake	Reptiles	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive	Chaparral Mojavean desert scrub Sonoran desert scrub	Chaparral, woodland, grassland, and 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.	There is no suitable habitat on site. This species is not present.
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.	There is no suitable habitat on site. This species is not present.
Dipodomys merriami parvus	San Bernardino kangaroo rat	Mammals	Endangered	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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Dipodomys stephensi	Stephens' kangaroo rat	Mammals	Threatened	Threatened	IUCN_VU-Vulnerable	Coastal scrub Valley & foothill grassland	Primarily annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover.	Prefers buckwheat, chamise, brome grass and filaree. Will burrow into firm soil.	There is no suitable habitat on site. This species is not present.
Empidonax traillii extimus	southwestern willow flycatcher	Birds	Endangered	Endangered		Riparian woodland	Riparian woodlands in Southern California.		There is no suitable habitat 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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/ Absence
Euchloe hyantis andrewsi	Andrew's marble butterfly	Insects	None	None		Lower montane coniferous forest	Inhabits yellow pine forest near Lake Arrowhead and Big Bear Lake, San Bernardino Mtns, San Bernardino Co, 5000-6000 ft.	Hostplants are Streptanthus bernardinus and Arabis holboellii var pinetorum; larval foodplant is Descurainia richardsonii.	There is no suitable habitat on site. This species is not present.
Eugnosta busckana	Busck's gallmoth	Insects	None	None		Coastal dunes Coastal scrub	Coastal southern California.	Tiny micro-moth (1 cm) with larva forming galls on host plant Encelia californica (California brittlebush). Adult flight period is during winter, generally from November to February, and have been reported at UV lights and porch lights.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Eumops perotis californicus	western mastiff bat	Mammals	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland	Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc.	Roosts in crevices in cliff faces, high buildings, trees and tunnels.	There is no suitable habitat on site. This species is not present.
Euphydryas editha quino	quino checkerspot butterfly	Insects	Endangered	None		Chaparral Coastal scrub	Sunny openings within chaparral and coastal sage shrublands in parts of Riverside and San Diego counties.	Hills and mesas near the coast. Need high densities of food plants Plantago erecta, P. insularis, and Orthocarpus purpurescens.	There is no suitable habitat on site. This species is not present.
Falco columbarius	merlin	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern	Estuary Great Basin grassland Valley & foothill grassland	Seacoast, tidal estuaries, open woodlands, savannahs, edges of grasslands and deserts, farms and ranches.	Clumps of trees or windbreaks are required for roosting in open country.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Gila orcuttii	arroyo chub	Fish	None	None	AFS_VU-Vulnerable CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	Aquatic South coast flowing waters	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave and San Diego river basins.	Slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	There is no suitable habitat on site. This species is not present.
Glaucomys oregonensis californicus	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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Icteria virens	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.	There is no suitable habitat on site. This species is not present.
Lanius ludovicianus	loggerhead shrike	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	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 and washes.	Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting.	There is no suitable habitat 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	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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Laterallus jamaicensis coturniculus	California black rail	Birds	None	Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_EN-Endangered	Brackish marsh Freshwater marsh Marsh & swamp Salt marsh Wetland	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays.	Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	There is no suitable habitat on site. This species is not present.
Lepus californicus bennettii	San Diego black-tailed jackrabbit	Mammals	None	None		Coastal scrub	Intermediate canopy stages of shrub habitats and open shrub / herbaceous and tree / herbaceous edges.	Coastal sage scrub habitats in Southern California.	There is no suitable habitat on site. This species is not present.
Neolarra alba	white cuckoo bee	Insects	None	None			Known only from localities in Southern California.	Cleptoparasitic in the nests of perdita bees.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/ Absence
<i>Neotoma lepida intermedia</i>	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.	There is no suitable habitat on site. This species is not present.
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	Mammals	None	None	CDFW_SSC- Species of Special Concern IUCN_LC-Least Concern	Joshua tree woodland Pinon & juniper woodlands Riparian scrub Sonoran desert scrub	Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc.	Rocky areas with high cliffs.	There is no suitable habitat on site. This species is not present.
<i>Oncorhynchus mykiss irideus</i> pop. 10	steelhead - southern California DPS	Fish	Endangered	Candidate Endangered	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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Onychomys torridus ramona	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.	There is no suitable habitat on site. This species is not present.
Ovis canadensis nelsoni	desert bighorn sheep	Mammals	None	None	BLM_S-Sensitive CDFW_FP-Fully Protected USFS_S-Sensitive	Alpine Alpine dwarf scrub Chaparral Chenopod scrub Great Basin scrub Mojavean desert scrub Montane dwarf scrub Pinon & juniper woodlands Riparian woodland Sonoran desert scrub	Widely distributed from the White Mtns in Mono Co. to the Chocolate Mts in Imperial Co.	Open, rocky, steep areas with available water and herbaceous forage.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Perognathus longimembris brevinasus	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.	There is no suitable habitat on site. This species is not present.
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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Polioptila californica californica	coastal California gnatcatcher	Birds	Threatened	None	CDFW_SSC-Species of Special Concern	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.	There is no suitable habitat 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	Disjunct populations known from southern Sierras (northern DPS) and San Gabriel, San Bernardino, and San Jacinto Mtns (southern DPS). Found at 1,000 to 12,000 ft in lakes and creeks that stem from springs and snowmelt. May overwinter under frozen lakes.	Often encountered within a few feet of water. Tadpoles may require 2 - 4 yrs to complete their aquatic development.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/ Absence
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	Insects	Endangered	None		Interior dunes	Found only in areas of the Delhi Sands formation in southwestern San Bernardino and northwestern Riverside counties.	Requires fine, sandy soils, often with wholly or partly consolidated dunes and sparse vegetation. Oviposition req. shade.	There is no suitable habitat on site. This species is not present.
Rhinichthys gabrielino	Santa Ana speckled dace	Fish	Proposed Threatened	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.	There is no suitable habitat on site. This species is not present.
Setophaga petechia	yellow warbler	Birds	None	None	CDFW_SSC- Species of Special Concern IUCN_LC-Least 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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/Absence
Spea hammondii	western spadefoot	Amphibians	Proposed Threatened	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.	There is no suitable habitat on site. This species is not present.
Spinus lawrencei	Lawrence's goldfinch	Birds	None	None	IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest Chaparral Pinon & juniper woodlands Riparian woodland	Nests in open oak or other arid woodland and chaparral, near water. Nearby herbaceous habitats used for feeding.	Closely associated with oaks.	There is no suitable habitat on site. This species is not present.
Streptocephalus woottoni	Riverside fairy shrimp	Crustaceans	Endangered	None	IUCN_EN-Endangered	Coastal scrub Valley & foothill grassland Vernal pool Wetland	Endemic to Western Riverside, Orange, and San Diego counties in areas of tectonic swales/earth slump basins in grassland and coastal sage scrub.	Inhabit seasonally astatic pools filled by winter/spring rains. Hatch in warm water later in the season.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	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	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.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	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.	There is no suitable habitat on site. This species is not present.
Thamnophis sirtalis pop. 1	south coast gartersnake	Reptiles	None	None	CDFW_SSC-Species of Special Concern	Artificial standing waters Marsh & swamp Riparian scrub Riparian woodland South coast flowing waters South coast standing waters Wetland	Southern California coastal plain from Ventura County to San Diego County, and from sea level to about 850 m.	Marsh and upland habitats near permanent water with good strips of riparian vegetation.	There is no suitable habitat on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Microhabitat	Presence/ Absence
Vireo bellii pusillus	least Bell's vireo	Birds	Endangered	Endangered		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.	There is no suitable habitat on site. This species is not present.

APPENDIX C



View of site entrance in southwest corner of site. View looking north.



View of dirt path along southern portion of site. View looking east.



View of ruderal habitat containing Peruvian pepper tree (*Schinus molle*). View looking west.



View along eastern border of site followed
residential development in the distance.
View looking south.



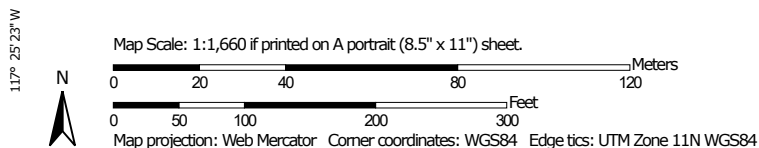
View of ruderal habitat on site followed by
Jurupa Hills Post Acute nursing facility
in the distance. View looking southwest.



View of area dominated by non-native
grasses. View looking southeast.

APPENDIX D

Soil Map—Western Riverside Area, California
(Jurupa Nursing Facility GIS)



Soil Map—Western Riverside Area, California
(Jurupa Nursing Facility GIS)

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 17, Aug 30, 2024

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

Date(s) aerial images were photographed: Mar 17, 2022—Jun 12, 2022

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



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
DaD2	Delhi fine sand, 2 to 15 percent slopes, wind-eroded	2.5	41.5%
GyC2	Greenfield sandy loam, 2 to 8 percent slopes, eroded	3.5	58.5%
Totals for Area of Interest		6.0	100.0%