



**GENERAL BIOLOGICAL ASSESSMENT REPORT  
FOR  
ASSESSORS PARCEL NUMBERS  
114-070-020, -021 & -022  
RIVERSIDE COUNTY, CALIFORNIA**

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**TABLE OF CONTENTS**

1.0 Introduction .....3

    1.1 Project Site Location .....3

    1.2 Project Description .....3

2.0 Methodology.....3

    2.1 Literature Review .....3

        2.1.1 Western Riverside County MSHCP .....3

        2.1.2 Project Relationship to the Western Riverside County MSHCP .....4

    2.2 Field Survey.....4

3.0 Existing Conditions and Results.....5

    3.1 Environmental Setting .....5

    3.2 Soils .....5

    3.3 Plant and Habitat Communities.....5

        3.3.1 Developed Areas .....6

        3.3.2 Disturbed Habitat.....6

    3.4 Wildlife.....6

    3.5 Regional Connectivity/Wildlife Movement .....6

4.0 Sensitive Biological Resources .....6

    4.1 Threatened and Endangered Species .....6

        4.1.1 Threatened and Endangered Plants.....7

        4.1.2 Threatened and Endangered Animals ..... 10

    4.2 Nesting Birds ..... 13

    4.3 Jurisdictional Waters ..... 13

5.0 Project Impacts ..... 13

    5.1 Impacts to Existing Habitats..... 13

    5.2 Impacts to Sensitive Species..... 13

    5.3 Impacts to Nesting Birds ..... 13

    5.4 Impacts to Critical Habitat..... 13

    5.5 State and Federal Drainages ..... 14

    5.6 Impacts to Wildlife Movement Corridors ..... 14

    5.7 Conflict with Local Policies or Ordinances Protecting Biological Resources ..... 14

    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 ..... 14

6.0 Western Riverside County MSHCP Consistency Analysis..... 14

6.1 MSHCP Requirements ..... 14  
7.0 Recommendations ..... 16  
8.0 Certification..... 18  
9.0 References ..... 19

**FIGURES**

- Figure 1 – Location Map
- Figure 2 – Vicinity Map
- Figure 3 – Project Plans
- Figure 4 – Habitat Map
- Figure 5 – BUOW Survey Area Map

**APPENDICES**

- Appendix A – Species List
- Appendix B – Probability List
- Appendix C – Site Photos
- Appendix D – Soils Map

## 1.0 Introduction

Hernandez Environmental Services (HES) was contracted to prepare a General Biological Assessment (GBA) and Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) consistency analysis for Assessor's Parcel Numbers (APNs) 114-070-020, -021 & 022 located in the city of Corona, Riverside County, California.

### 1.1 Project Site Location

The approximate 5.16-acre project site is located at 430 West Foothill Parkway directly west of Mountain Gate Marketplace in the city of Corona, Riverside County, California (Figures 1 and 2). The site consists of Riverside County APNs 114-070-020, -021 & 022. Specifically, the project site is located within La Sierra (Yorba) land grant of the *Corona South* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude coordinates for the project site are 33°50'39.3187" North and 117°34'31.6206" West.

### 1.2 Project Description

The project proposes to construct an assisted living project consisting of 107 units within the Mountain Gate Community of Corona (Figure 3). The project will result in impacts to the entire 5.16-acre site.

## 2.0 Methodology

### 2.1 Literature Review

HES conducted a literature review and reviewed aerial photographs and topographic maps of the project site and surrounding areas. A five-mile radius was used to identify sensitive species with the California Natural Diversity Data Base (CNDDDB), the U.S. Fish and Wildlife Service (USFWS) Endangered Species Lists, and the California Native Plant Society (CNPS) rare plant lists to obtain species information for the project area. The CNDDDB and USFWS critical habitat databases were utilized, together with Geographic Information System (GIS) software, to locate the previously recorded locations of sensitive plant and wildlife occurrences and designated critical habitat and determine the distance from the project site. Additionally, the Western Riverside County MSHCP was reviewed for information on 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 City of Corona, acting as the lead agency for the proposed project, is a permittee under the Western Riverside County MSHCP and, therefore, is afforded coverage under the state or federal ESAs for impacts to listed species covered by the plan. The City is required to document consistency with the Western Riverside County MSHCP in conjunction with any discretionary approvals for the project. As such, this report was prepared to provide all necessary information required to determine project consistency with the Western Riverside County MSHCP.

The project area is located within Western Riverside County MSHCP Temescal Canyon Area Plan of the Western Riverside County MSHCP. The project site is not located within a Criteria Cell or Cell Group. Further, the site is not located within plan-defined areas requiring surveys for narrow endemic plant species, criteria area plant species, amphibian species, or mammalian species. However, the project site is within the Western Riverside County MSHCP burrowing owl (*Athene cunicularia*) survey area. A habitat assessment conducted on the site determined that no suitable habitat is present on the project site.

Additionally, the project area does not contain any habitat that would be considered riparian/riverine areas as defined in Section 6.1.2 of the Western Riverside MSHCP. Further, no vernal pools were observed within the project boundaries.

## **2.2 Field Survey**

On September 1, 2022, HES biologists conducted a field survey of the approximate 5.16-acre project site. The ambient temperature at 7:50 a.m. was 81 degrees Fahrenheit, 20% cloud cover, with winds ranging

from zero to two miles per hour to 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 consists of vacant, disturbed lands with evidence of mowing and tilling for fuel management and developed paved areas. The site is relatively flat with onsite elevations ranging from 1,059 feet above mean sea-level (AMSL) to 1,092 feet AMSL. Surrounding land uses include residential uses to the north and southwest, a shopping center to the east, and recreational areas to the south and northwest.

#### 3.2 Soils

One soil classification has 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 Type**

| Unit Name                               | Unit Symbol | Slope                 |
|---|-------------|-----------------------|
| Garretson gravelly very fine sandy loam | GdC         | 2 to 8 percent slopes |

#### 3.3 Plant and Habitat Communities

The 5.16-acre project site contains approximately 4.36-acres of disturbed habitat and 0.80-acre of developed areas (Figure 4).

### 3.3.1 Developed Areas

The project site contains approximately 0.80-acre of developed areas. These areas are characterized by existing paved areas and ornamental landscaping. The ornamental landscaping consists of sycamore trees (*Platanus occidentalis*), Brazilian pepper tree (*Schinus terebinthifolia*) and blackwood (*Acacia melanoxylon*).

### 3.3.2 Disturbed Areas

The project site contains 4.36-acres of disturbed areas. The disturbed areas found on the site have been heavily impacted by regular mowing and tilling for fuel management. These areas are sparsely vegetated. Plant species found in this habitat type include common fiddleneck (*Amsinckia intermedia*), fountain grass (*Pennisetum setaceum*) and Russian thistle (*Salsola tragus*).

## 3.4 Wildlife

General wildlife species documented on the project site or within the vicinity of the site include mourning dove (*Zenaida macroura*). The complete list of species observed is included in Appendix A.

## 3.5 Regional Connectivity/Wildlife Movement

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

The project site is not located within a designated wildlife corridor or linkage. The project area was evaluated for its function as a wildlife corridor that species use to move between wildlife habitat zones. The project site consists of flat, disturbed land characterized by disturbed/developed areas. Further, the project site is surrounded by urban development such as residential and commercial uses. 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 41 sensitive species of plants and 63 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, California Department of Fish and Wildlife (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 Multiple Species Habitat Conservation Plan (MSHCP). Sensitive species which have a potential to occur will also be discussed in this section. Other special status species are addressed within Appendix B.

#### 4.1.1 Threatened and Endangered Plants

A total of 18 plant species are listed as state and/or federal Threatened, Endangered, or Candidate species; are required to be reviewed under the Narrow Endemic Plant section of the Western Riverside MSHCP; or are 1B.1 listed plants on the CNPS Rare Plant Inventory. Below are descriptions of these species:

##### *Chaparral sand-verbena*

Chaparral sand-verbena (*Abronia villosa var. aurita*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in sandy areas of chaparral, coastal scrub, and desert dunes habitats. No habitat for this species is present on the project site. **This species is not present.**

##### *Munz's onion*

Munz's onion (*Allium munzii*) is a federally Endangered and state Threatened listed plant species. This species is also ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in chaparral, coastal scrub, valley and foothill grasslands, cismontane woodland, and pinyon and juniper woodland. No habitat for this species is present on the project site. **This species is not present.**

##### *San Diego ambrosia*

San Diego ambrosia (*Ambrosia pumila*) is listed as federally Endangered and 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes wetlands in chaparral, coastal sage scrub, valley and foothill grassland. No habitat for this species is present on the project site. **This species is not present.**

##### *Braunton's milk-vetch*

Braunton's milk-vetch (*Astragalus brauntonii*) is a federally listed Endangered species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is usually found in recently burned or disturbed areas, usually on sandstone with carbonate layers. It requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. Its habitat includes chaparral, coastal scrub, valley, and foothill grassland. No habitat for this species is present on the project site. **This species is not present.**

##### *Malibu baccharis*

Malibu baccharis (*Baccharis malibuensis*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in Conejo volcanic substrates and often on exposed roadcuts. It sometimes occupies oak woodland habitat and grows at elevations of 50 to 300 meters. Its habitat includes chaparral, cismontane woodland, coastal



scrub, and Riparian woodland. No habitat for this species is present on the project site. **This species is not present.**

*Thread-leaved brodiaea*

The thread-leaved brodiaea (*brodiaea filifolia*) is a federally Threatened, state Endangered Species, and a CNPS 1B.1 listed plant. It is found in chaparral, cismontane woodlands, coastal sage scrub, valley and foothill grasslands, vernal pools and wetland. No habitat for this species is present on the project site. **This species is not present.**

*Lucky morning glory*

Lucky morning-glory (*Calystegia felix*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is often found in disturbed sites near the coast, at marsh edges. It is also found in alkaline soils and sometimes with saltgrass. This species is sometimes found on vernal pool margins. Its habitat includes meadows and seeps, and riparian scrub. 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. The species habitats include alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, and valley and foothill grasslands. No habitat for this species is present on the project site. **This species is not present.**

*San Fernando Valley spineflower*

San Fernando Valley spineflower (*Chorizanthe parryi var. Fernandina*) is a state listed Endangered species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in sandy soils. Its habitat includes coastal scrub, and valley and foothill grassland. No habitat for this species is present on the project site. **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 a federally and state listed Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is typically found in sandy soils on river floodplains or terraced fluvial deposits. Its habitat includes chaparral and coastal scrub. No habitat for this species is present on the project site. **This species is not present.**

*Tecate cypress*

Tecate cypress (*Hesperocyparis forbesii*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found on clay or gabbro, primarily on north-facing slopes and in groves often associated with chaparral habitat. Its habitat includes closed-cone coniferous forest, and chaparral. No habitat for this species is present on the project site. **This species is not present.**

*Mesa horkelia*

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

*Allen's pentachaeta*

Allen's pentachaeta (*Pentachaeta aurea* ssp. *allenii*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found on openings in scrub or grassland areas. Its habitat includes coastal scrub, and valley and foothill grassland. No habitat for this species is present on the project site. **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.**

#### 4.1.2 Threatened and Endangered Animals

A total of 17 animal species are listed as state and/or federal Threatened, Endangered, Candidate will be reviewed in this section. Sensitive species which have a potential to occur will also be discussed in this section. All sensitive species within a 5-mile radius of project area were reviewed and a complete list of those species are discussed within Appendix B. Below are descriptions of these species:

##### *Tricolored blackbird*

Tricolored blackbird (*Agelaius tricolor*) is state listed as Threatened and listed by the CDFW as a Species of Special Concern. The species occupies freshwater marshes with canopies of willows and other riparian trees. This species requires open accessible water and suitable foraging space. There is no suitable habitat for this species on the project site. **The species is not present.**

##### *Arroyo toad*

Arroyo Toad (*Anaxyrus californicus*) is a federally listed Endangered species and a CDFW Species of Special Concern. The most favorable breeding habitat for this species consists of slow-moving shallow pools, nearby sandbars, and adjacent stream terraces. Its habitat includes desert wash, riparian scrub, riparian woodland, south coast flowing waters, and south coast standing waters. There is no habitat for this species on the project site. **This species is not present.**

##### *Burrowing owl*

Burrowing owl (*Athene cunicularia*) is a CDFW Species of Special Concern. Its habitat includes coastal prairie, coastal scrub, Great Basin grassland, Great Basin scrub, Mojave desert scrub, Sonoran desert scrub, and valley and foothill grassland. This species is typically found in open and dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. It is a subterranean nester and is dependent upon burrowing mammals, most notably the California ground squirrel. A habitat assessment for burrowing owl was conducted on the site (Figure 5). The project site is heavily disturbed by weed abatement activities. No ground squirrel activity or suitable burrows were noted on site. The nearest occurrence recorded on CNDDDB is over three miles north of the project site, north of California Highway 91. No suitable habitat occurs on site. **This species is not present.**

##### *San Diego fairy shrimp*

San Diego fairy shrimp (*Branchinecta sandiegonensis*) is a federally listed Endangered species. This species is found in chaparral, coastal scrub, vernal pool, and wetland habitats. It is endemic to San Diego and Orange County mesas. 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 favors open grasslands for foraging but also occurs in agricultural settings. It relies on scattered stands of trees near

agricultural fields and grasslands for nesting sites. Its habitats include great basin grassland, riparian forest, riparian woodland, and valley and foothill grassland. The project site does not contain suitable habitat for this species. **This species is not present.**

*Santa Ana sucker*

Santa Ana sucker (*Catostomus santaanae*) is a federally listed Threatened species. Its habitat includes aquatic and south coast flowing waters. This species prefers sand-rubble-boulder bottoms, cool and clear water, and algae. It is endemic to Los Angeles Basin south coastal streams. The project site does not contain suitable habitat for this species. **This species is not present.**

*Western snowy plover*

Western snowy plover (*Charadrius alexandrinus nivosus*) is federally listed Threatened. This species typically nests in sandy, gravelly or friable soils. It is commonly found in great basin standing waters, sand shores and wetland habitats. The project site does not contain suitable habitat for this species. **This species is not present.**

*Western yellow-billed cuckoo*

Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*) is federally listed Threatened and state listed Endangered species. This species typically nests in riparian jungles of willows, often mixed with cottonwoods, with 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, 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.**

*Stephens' 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, chamise, brome grass, and filaree and will burrow into firm soil. The project site does not contain suitable habitat for this species. **This species is not present.**

*Southwestern willow flycatcher*

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

*Bald eagle*

Bald eagle (*Haliaeetus leucocephalus*) is a state listed Endangered and CDFW Fully Protected Species. This species is found in lower montane coniferous forest and old-growth. They nest in large old-growth or tress with open branches, especially ponderosa pine. The project site does not contain 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 a federally listed Endangered and state listed Candidate Endangered species. This species is likely to have greater physiological tolerances to warmer water and more variable conditions. Its habitats include aquatic and south coast flowing waters. The project site does not have suitable habitat for this species. **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 contain suitable habitat for this species. **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. No suitable habitat for this species is present on the project site. **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 trees and shrubs that can be utilized by nesting birds and raptors during the nesting bird season of February 1 through September 15.

## **4.3 Jurisdictional Waters**

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

## **5.0 Project Impacts**

### **5.1 Impacts to Existing Habitats**

The development of the proposed project will impact the entire 5.16-acre project site, including approximately 4.36 acres of disturbed areas and 0.80 acre of developed areas.

### **5.2 Impacts to Sensitive Species**

No sensitive species have a potential to occur on the project site; therefore, no sensitive species will be impacted by this project.

### **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 located within designated federal critical habitat. No impact to critical habitat would occur.

## **5.5 State and Federal Drainages**

The project area does not contain any state or federal jurisdictional drainages; therefore, no impacts will result from project implementation.

## **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 consists of flat, disturbed land characterized by disturbed/developed areas. Further, the project site is surrounded by urban development such as residential and commercial uses. 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 city trees or shared responsibility trees will need to comply with City of Corona Ordinance 3328.

## **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 Temescal Canyon Area Plan of the Western Riverside County MSHCP. The project site is not located within a Criteria Cell or 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 streams or drainages or riparian habitat. The project site is flat with elevations ranging from 1,059 feet AMSL to 1,092 feet AMSL. No defined bed, bank, channel, or obvious shifts in vegetation that would suggest a drainage feature were found on the site. Furthermore, no vegetation associated with riparian or wetland habitats was found on site. Therefore, the project site does not contain habitat that may be considered riparian/riverine areas as defined in Section 6.1.2 of the Western

Riverside County MSHCP. Due to the lack of suitable riparian habitat on the project site, focused surveys for riparian/riverine bird species listed in Section 6.1.2 of the MSHCP are not warranted.

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

The entire site was evaluated for the presence of habitat capable of supporting branchiopods. 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 soils do 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 project site is not located within the Western Riverside County MSHCP Narrow Endemic Plant Species Survey Area (NEPSSA) pursuant to Section 6.1.3 of the MSHCP. Therefore, the NEPSSA requirements are not applicable to the project.

#### *Section 6.1.4 Urban/Wildlands Interface Guidelines*

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

#### *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. In addition, 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. However, the project site is located within the Western Riverside County MSHCP Additional survey area for burrowing owl.

A habitat assessment for burrowing owl was conducted on the site (Figure 5). The habitat assessment found that the project site does not provide suitable burrows/nesting opportunities for burrowing owl. No burrow surrogates or fossorial mammals were observed on or near the site. The project site appears to be regularly disturbed by weed abatement activities and is adjacent to busy roads and a parking lot. No burrowing owl signs such as molted feathers, pellets, prey remains, or whitewash were not found during



the habitat assessment. Therefore, it has been determined that the project site does not provide suitable burrowing owl habitat.

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

- A habitat assessment has determined that the site does not provide suitable habitat for burrowing owl. 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.

### Nesting Birds

- It is recommended that vegetation removal be conducted during the non-nesting season for migratory birds to avoid direct impacts. The migratory nesting bird 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 nesting birds 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 12-5-2021 Signed \_\_\_\_\_

PROJECT MANAGER

Fieldwork Performed By:

Elizabeth Gonzalez

\_\_\_\_\_  
SENIOR BIOLOGIST

Sarah Vasquez

\_\_\_\_\_  
ASSOCIATE BIOLOGIST

## 9.0 References

- California Department of Fish and Wildlife (CDFW), Natural Diversity Database (CNDDB). Accessed October 2022. California Department of Fish and Wildlife, Sacramento, California.
- Garrett, K. and J. Dunn, 1981. *Birds of Southern California*. Los Angeles Audubon Society. The Artisan Press, Los Angeles, California.
- Grenfell, W. E., M. D. Parisi, and D. McGriff, 2003. *A Check-list of the Amphibians, Reptiles, Birds and Mammals of California*. California Wildlife Habitat Relationship System, California Department of Fish and Game, Sacramento, California.
- Hickman, J. C., ed. 1993. *The Jepson Manual: Higher Plants of California*. University of California Press. List of Vegetation Alliances and Associations. Vegetation Classification and Mapping Program, California Department of Fish and Game. Sacramento, CA. September 2010.
- Munz, P.A., 1974. *A Flora of Southern California*. University of California Press, Berkeley, California.
- Peterson, R. 1990 *A Field Guide to Western Birds*. Houghton Mifflin Company, Boston, MA.
- Riverside County Integrated Project (RCIP) 2003 Final Multiple Species Habitat Conservation Plan (MSHCP). Riverside, CA.
- Sawyer, J.O., T. Keeler-Wolf, and J.M. Evens 2009 *A Manual of California Vegetation, 2nd edition*. California Native Plant Society Press, Sacramento, CA.
- USGS (United States Geological Survey). 2021. Corona South, California, Quadrangle. 7.5 Minute Series (topographic map).
- Web Soil Survey. Available online at <http://websoilsurvey.nrcs.usda.gov/>. Accessed September 2022.
- Western Riverside County Multiple Species Habitat Conservation Plan. *Burrowing Owl Instructions for Western Riverside Multiple Species Habitat Conservation Plan*.
- Western Riverside County Multiple Species Habitat Conservation Plan. Section 6.0 *MSHCP Implementing Structure*.
- WRCRCA (Western Riverside County Regional Conservation Authority). 2021a. WRCRCA MSHCP Information Tool. Accessed from: <https://www.wrc-rca.org/rcamaps/>. Accessed December 2022.

# FIGURES



### Location Map

EPD Mountain Gate  
 APNs 114-070-020, -021, and -022  
 Riverside County, California

### Legend

 Property Boundary





### Vicinity Map

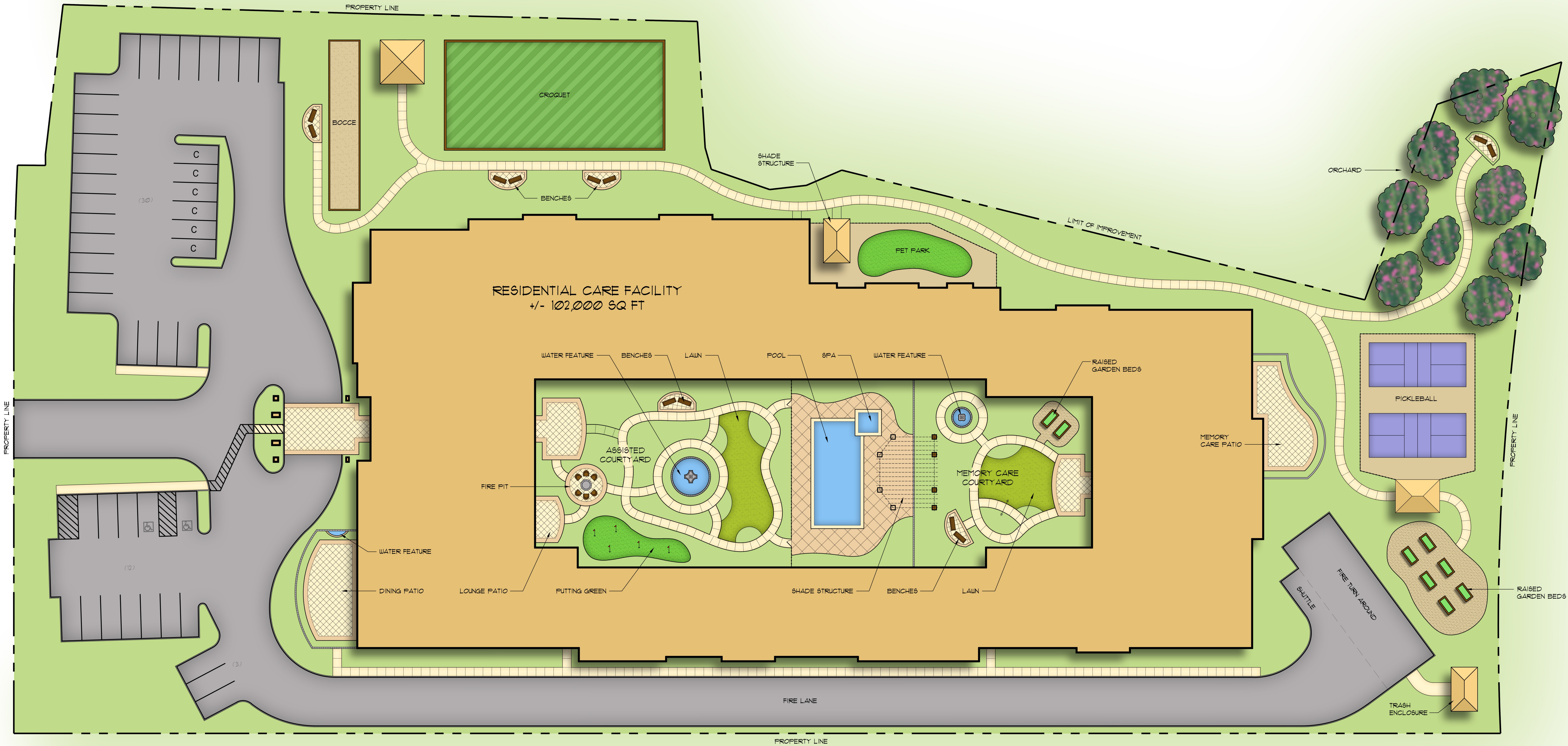
EPD Mountain Gate  
 APNs 114-070-020, -021, and -022  
 Riverside County, California

### Legend

 Property Boundary



WEST FOOTHILL PARKWAY



PRELIMINARY SITE LAYOUT  
 THE IVY AT MOUNTAIN GATE  
 430 WEST FOOTHILL PARKWAY  
 CORONA, CA 92881

DRAWINGS BY:  
 NATE MURRIN  
 1806 KONA PLACE  
 SANTA ROSA, CA 95403  
 707.236.2342

JOB NUMBER:  
 SCALE:  
 AS SHOWN  
 DRAWN BY:  
 N. MURRIN  
 DATE:  
 APRIL 2022

REVISIONS:

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## Habitat Map

EPD Mountain Gate  
APNs 114-070-020, -021, and -022  
Riverside County, California








## BUOW Habitat Assessment Survey Map

EPD Mountain Gate  
APNs 114-070-020, -021, and -022  
Riverside County, California

### Legend

-  Property Boundary
-  500-Foot Buffer
-  Transect



# **APPENDIX A**

## Observed Species List

### Plant List

| <b>Scientific Name</b>         | <b>Common Name</b>     |
|--------------------------------|------------------------|
| <i>Acacia melanoxylon</i>      | Blackwood              |
| <i>Adenostoma fasciculatum</i> | Chamise                |
| <i>Amsinckia intermedia</i>    | Common fiddleneck      |
| <i>Baccharis salicifolia</i>   | Mule fat               |
| <i>Limonium perezii</i>        | Perez's sea lavender   |
| <i>Pennisetum setaceum</i>     | African fountain grass |
| <i>Platanus occidentalis</i>   | Sycamore sp.           |
| <i>Salsola tragus</i>          | Russian thistle        |
| <i>Schinus terebinthifolia</i> | Brazilian pepper tree  |
| <i>Tamarix</i>                 | Tamarisk               |
| <i>Washingtonia robusta</i>    | Mexican fan palm       |

### Wildlife List

| <b>Scientific Name</b>  | <b>Common Name</b> |
|-------------------------|--------------------|
| <i>Zenaida macroura</i> | Mourning dove      |

## **APPENDIX B**

| Scientific Name                           | Common Name            | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat  | Presence/Absence  |
|---|------------------------|-------------|--------------|------------|-----------------|---|--|--|---|
| <i>Abronia villosa</i> var. <i>aurita</i> | chaparral sand-verbena | Dicots      | None         | None       | 1B.1            | Chaparral   Coastal scrub   Desert dunes  | Chaparral, coastal scrub, desert dunes.  | Sandy areas. -60-1570 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Allium marvinii</i>                    | Yucaipa onion          | Monocots    | None         | None       | 1B.2            | Chaparral   | Chaparral.   | In openings on clay soils. 850-1070 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Allium munzii</i>                      | Munz's onion           | Monocots    | Endangered   | Threatened | 1B.1            | Chaparral   Cismontane woodland   Coastal scrub   Pinon & juniper woodlands   Valley & foothill grassland | Chaparral, coastal scrub, cismontane woodland, pinyon and juniper woodland, valley and foothill grassland. | Heavy clay soils; grows in grasslands and openings within shrublands or woodlands. 375-1040 m. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name       | Common Name           | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat  | Presence/Absence  |
|-----------------------|-----------------------|-------------|--------------|------------|-----------------|---|--|--|---|
| Ambrosia pumila       | San Diego ambrosia    | Dicots      | Endangered   | None       | 1B.1            | 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.  | No suitable habitat is present on site. <b>This species is not present.</b> |
| Astragalus brauntonii | Braunton's milk-vetch | Dicots      | Endangered   | None       | 1B.1            | Chaparral   Coastal scrub   Limestone   Valley & foothill grassland | Chaparral, coastal scrub, valley and foothill grassland. | Recent burns or disturbed areas; usually on sandstone with carbonate layers. Soil specialist; requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. 3-640 m. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name              | Common Name        | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat   | Micro Habitat   | Presence/Absence  |
|------------------------------|--------------------|-------------|--------------|------------|-----------------|---|---|---|---|
| <i>Atriplex coulteri</i>     | Coulter's saltbush | Dicots      | None         | None       | 1B.2            | Coastal bluff scrub   Coastal dunes   Coastal scrub   Valley & foothill grassland | Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. | Ocean bluffs, ridgetops, as well as alkaline low places. Alkaline or clay soils. 2-460 m.                     | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Baccharis malibuensis</i> | Malibu baccharis   | Dicots      | None         | None       | 1B.1            | Chaparral   Cismontane woodland   Coastal scrub   Riparian woodland               | Coastal scrub, chaparral, cismontane woodland, riparian woodland.                 | In Conejo volcanic substrates, often on exposed roadcuts. Sometimes occupies oak woodland habitat. 150-320 m. | No suitable habitat is present on site. <b>This species is not present.</b> |



| Scientific Name              | Common Name                | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|------------------------------|----------------------------|-------------|--------------|------------|-----------------|---|--|---|---|
| <i>Brodiaea filifolia</i>    | thread-leaved brodiaea     | Monocots    | Threatened   | Endangered | 1B.1            | Chaparral   Cismontane woodland   Coastal scrub   Valley & foothill grassland   Vernal pool   Wetland           | Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools. | Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Occurs in openings on clay soils. 15-1030 m. | No suitable habitat is present on site. <b>This species is not present.</b> |
| California Walnut Woodland   | California Walnut Woodland | Woodland    | None         | None       |                 | Cismontane woodland   |  |   | <b>This is not present.</b>   |
| <i>Calochortus plummerae</i> | Plummer's mariposa-lily    | Monocots    | None         | None       | 4.2             | Chaparral   Cismontane woodland   Coastal scrub   Lower montane coniferous forest   Valley & foothill grassland | Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland, lower montane coniferous forest. | Occurs on rocky and sandy sites, usually of granitic or alluvial material. Can be very common after fire. 60-2500 m.                            | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                     | Common Name                   | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat  | Presence/Absence  |
|-------------------------------------|-------------------------------|-------------|--------------|------------|-----------------|---|--|--|---|
| Calochortus weedii var. intermedius | intermediate mariposa-lily    | Monocots    | None         | None       | 1B.2            | Chaparral   Coastal scrub   Valley & foothill grassland | Coastal scrub, chaparral, valley and foothill grassland. | Dry, rocky calcareous slopes and rock outcrops. 60-1575 m. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Calystegia felix                    | lucky morning-glory           | Dicots      | None         | None       | 1B.1            | Meadow & seep   Riparian scrub                          | Meadows and seeps, riparian scrub.                       | Sometimes alkaline, alluvial. 9-205 m.                     | No suitable habitat is present on site. <b>This species is not present.</b> |
| Canyon Live Oak Ravine Forest       | Canyon Live Oak Ravine Forest | Riparian    | None         | None       |                 | Riparian forest   |  |  | <b>This is not present.</b>   |

| Scientific Name                                  | Common Name                     | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat  | Presence/Absence  |
|--|---------------------------------|-------------|--------------|------------|-----------------|---|--|--|---|
| <i>Centromadia pungens</i> ssp. <i>laevis</i>    | smooth tarplant                 | Dicots      | None         | None       | 1B.1            | Alkali playa   Chenopod scrub   Meadow & seep   Riparian woodland   Valley & foothill grassland   Wetland | Valley and foothill grassland, chenopod scrub, meadows and seeps, playas, riparian woodland. | Alkali meadow, alkali scrub; also in disturbed places. 5-1170 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Chorizanthe parryi</i> var. <i>fernandina</i> | San Fernando Valley spineflower | Dicots      | None         | Endangered | 1B.1            | Coastal scrub   Valley & foothill grassland   | Coastal scrub, valley and foothill grassland.  | Sandy soils. 15-1015 m.  | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Chorizanthe parryi</i> var. <i>parryi</i>     | Parry's spineflower             | Dicots      | None         | None       | 1B.1            | 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. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name  | Common Name             | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats   | General Habitat  | Micro Habitat  | Presence/Absence  |
|--|-------------------------|-------------|--------------|------------|-----------------|--|--|--|---|
| <i>Chorizanthe polygonoides</i> var. <i>longispina</i>       | long-spined spineflower | Dicots      | None         | None       | 1B.2            | Chaparral   Coastal scrub   Meadow & seep   Ultramafic   Valley & foothill grassland   Vernal pool             | Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools.        | Gabbroic clay. 30-1630 m.  | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Clinopodium chandleri</i>                                 | San Miguel savory       | Dicots      | None         | None       | 1B.2            | Chaparral   Cismontane woodland   Coastal scrub   Riparian woodland   Ultramafic   Valley & foothill grassland | Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland. | Rocky, gabbroic or metavolcanic substrate. 120-975 m.                  | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i> | summer holly            | Dicots      | None         | None       | 1B.2            | Chaparral   Cismontane woodland  | Chaparral, cismontane woodland.  | Often in mixed chaparral in California, sometimes post-burn. 30-855 m. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name       | Common Name                | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|-----------------------|----------------------------|-------------|--------------|------------|-----------------|---|--|---|---|
| Dodecahema leptoceras | slender-horned spineflower | Dicots      | Endangered   | Endangered | 1B.1            | 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. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Dudleya multicaulis   | many-stemmed dudleya       | Dicots      | None         | None       | 1B.2            | Chaparral   Coastal scrub   Valley & foothill grassland               | Chaparral, coastal scrub, valley and foothill grassland.                 | In heavy, often clayey soils or grassy slopes. 1-910 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| Dudleya viscida       | sticky dudleya             | Dicots      | None         | None       | 1B.2            | Chaparral   Cismontane woodland   Coastal bluff scrub   Coastal scrub | Coastal scrub, coastal bluff scrub, chaparral, cismontane woodland.      | On north and south-facing cliffs and banks. 20-870 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                                    | Common Name                | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|--|----------------------------|-------------|--------------|------------|-----------------|---|--|---|---|
| <i>Eriastrum densifolium</i> ssp. <i>sanctorum</i> | Santa Ana River woollystar | Dicots      | Endangered   | Endangered | 1B.1            | Chaparral   Coastal scrub   | Coastal scrub, chaparral.                                | In sandy soils on river floodplains or terraced fluvial deposits. 180-705 m.                            | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Harpagonella palmeri</i>                        | Palmer's grapplinghook     | Dicots      | None         | None       | 4.2             | Chaparral   Coastal scrub   Valley & foothill grassland           | Chaparral, coastal scrub, valley and foothill grassland. | Clay soils; open grassy areas within shrubland. 20-955 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Hesperocyparis forbesii</i>                     | Tecate cypress             | Gymnosperms | None         | None       | 1B.1            | Chaparral   Closed-cone coniferous forest                         | Closed-cone coniferous forest, chaparral.                | Primarily on north-facing slopes; groves often associated with chaparral. On clay or gabbro. 60-1650 m. | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Horkelia cuneata</i> var. <i>puberula</i>       | mesa horkelia              | Dicots      | None         | None       | 1B.1            | Chaparral   Cismontane woodland   Coastal scrub                   | Chaparral, cismontane woodland, coastal scrub.           | Sandy or gravelly sites. 15-1645 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>     | Coulter's goldfields       | Dicots      | None         | None       | 1B.1            | Alkali playa   Marsh & swamp   Salt marsh   Vernal pool   Wetland | Coastal salt marshes, playas, vernal pools.              | Usually found on alkaline soils in playas, sinks, and grasslands. 1-1375 m.                             | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                                    | Common Name               | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|--|---------------------------|-------------|--------------|------------|-----------------|---|--|---|---|
| <i>Lepechinia cardiophylla</i>                     | heart-leaved pitcher sage | Dicots      | None         | None       | 1B.2            | Chaparral   Cismontane woodland   Closed-cone coniferous forest   | Closed-cone coniferous forest, chaparral, cismontane woodland.               | 115-1345 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Lepidium virginicum</i> var. <i>robinsonii</i>  | Robinson's pepper-grass   | Dicots      | None         | None       | 4.3             | Chaparral   Coastal scrub   | Chaparral, coastal scrub.  | Dry soils, shrubland. 4-1435 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Monardella australis</i> ssp. <i>jokerstii</i>  | Jokerst's monardella      | Dicots      | None         | None       | 1B.1            | Chaparral   Lower montane coniferous forest                       | Lower montane coniferous forest, chapparal.                                  | Steep scree or talus slopes between breccia. Secondary alluvial benches along drainages and washes. 210-1740 m. | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Monardella hypoleuca</i> ssp. <i>intermedia</i> | intermediate monardella   | Dicots      | None         | None       | 1B.3            | Chaparral   Cismontane woodland   Lower montane coniferous forest | Chaparral, cismontane woodland, lower montane coniferous forest (sometimes). | Often in steep, brushy areas. 195-1675 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                                | Common Name            | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat  | Presence/Absence  |
|--|------------------------|-------------|--------------|------------|-----------------|---|--|--|---|
| <i>Monardella macrantha</i> ssp. <i>hallii</i> | Hall's monardella      | Dicots      | None         | None       | 1B.3            | Broadleaved upland forest   Chaparral   Cismontane woodland   Lower montane coniferous forest   Valley & foothill grassland | Broadleafed upland forest, chaparral, lower montane coniferous forest, cismontane woodland, valley and foothill grassland. | Dry slopes and ridges in openings. 700-1800 m.                                   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Nama stenocarpa</i>                         | mud nama               | Dicots      | None         | None       | 2B.2            | Marsh & swamp   Wetland   | Marshes and swamps.  | Lake shores, river banks, intermittently wet areas. 15-815 m.                    | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Nolina cismontana</i>                       | chaparral nolina       | Monocots    | None         | None       | 1B.2            | Chaparral   Coastal scrub   Ultramafic  | Chaparral, coastal scrub.  | Primarily on sandstone and shale substrates; also known from gabbro. 140-1100 m. | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Penstemon californicus</i>                  | California beardtongue | Dicots      | None         | None       | 1B.2            | Chaparral   Lower montane coniferous forest   Pinon & juniper woodlands   | Chaparral, lower montane coniferous forest, pinyon and juniper woodland.   | Stony slopes and shrubby openings; sandy or granitic soils. 240-2290 m.          | No suitable habitat is present on site. <b>This species is not present.</b> |



| Scientific Name                              | Common Name                         | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat   | Micro Habitat                                   | Presence/Absence  |
|--|-------------------------------------|-------------|--------------|------------|-----------------|---|---|---|---|
| <i>Pentachaeta aurea</i> ssp. <i>allenii</i> | Allen's pentachaeta                 | Dicots      | None         | None       | 1B.1            | Coastal scrub   Valley & foothill grassland                         | Valley and foothill grasslands, coastal scrub.                    | Openings in scrub or grassland. 75-520 m.       | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Phacelia keckii</i>                       | Santiago Peak phacelia              | Dicots      | None         | None       | 1B.3            | Chaparral   Closed-cone coniferous forest                           | Closed-cone coniferous forest, chaparral.                         | Open areas, sometimes along creeks. 545-1525 m. | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Phacelia stellaris</i>                    | Brand's star phacelia               | Dicots      | None         | None       | 1B.1            | Coastal dunes   Coastal scrub                                       | Coastal scrub, coastal dunes.                                     | Open areas. 3-370 m.                            | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Pseudognaphalium leucocephalum</i>        | white rabbit-tobacco                | Dicots      | None         | None       | 2B.2            | Chaparral   Cismontane woodland   Coastal scrub   Riparian woodland | Riparian woodland, cismontane woodland, coastal scrub, chaparral. | Sandy, gravelly sites. 35-515 m.                | No suitable habitat is present on site. <b>This species is not present.</b> |
| Riversidian Alluvial Fan Sage Scrub          | Riversidian Alluvial Fan Sage Scrub | Scrub       | None         | None       |                 | Coastal scrub   |   |   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Senecio aphanactis</i>                    | chaparral ragwort                   | Dicots      | None         | None       | 2B.2            | Chaparral   Cismontane woodland   Coastal scrub                     | Chaparral, cismontane woodland, coastal scrub.                    | Drying alkaline flats. 20-1020 m.               | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name   | Common Name   | Taxon Group   | Federal List | State List | Rare Plant Rank | Habitats   | General Habitat   | Micro Habitat                         | Presence/Absence  |
|---|---|---------------|--------------|------------|-----------------|--|---|---------------------------------------|---|
| Sidalcea neomexicana                                    | salt spring checkerbloom                                | Dicots        | None         | None       | 2B.2            | Alkali playa   Chaparral   Coastal scrub   Lower montane coniferous forest   Mojavean desert scrub   Wetland | Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub. | Alkali springs and marshes. 3-2380 m. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Southern California Arroyo Chub/Santa Ana Sucker Stream | Southern California Arroyo Chub/Santa Ana Sucker Stream | Inland Waters | None         | None       |                 |  |   |                                       | <b>This is not present.</b>   |
| Southern Coast Live Oak Riparian Forest                 | Southern Coast Live Oak Riparian Forest                 | Riparian      | None         | None       |                 | Riparian forest  |   |                                       | <b>This is not present.</b>   |
| Southern Cottonwood Willow Riparian Forest              | Southern Cottonwood Willow Riparian Forest              | Riparian      | None         | None       |                 | Riparian forest  |   |                                       | <b>This is not present.</b>   |
| Southern Interior Cypress Forest                        | Southern Interior Cypress Forest                        | Forest        | None         | None       |                 | Closed-cone coniferous forest  |   |                                       | <b>This is not present.</b>   |
| Southern Riparian Forest                                | Southern Riparian Forest                                | Riparian      | None         | None       |                 | Riparian forest  |   |                                       | <b>This is not present.</b>   |

| Scientific Name                           | Common Name                               | Taxon Group | Federal List | State List | Rare Plant Rank | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|---|---|-------------|--------------|------------|-----------------|---|--|---|---|
| Southern Riparian Scrub                   | Southern Riparian Scrub                   | Riparian    | None         | None       |                 | Riparian scrub  |  |   | <b>This is not present.</b>   |
| Southern Sycamore Alder Riparian Woodland | Southern Sycamore Alder Riparian Woodland | Riparian    | None         | None       |                 | Riparian woodland   |  |   | <b>This is not present.</b>   |
| Southern Willow Scrub                     | Southern Willow Scrub                     | Riparian    | None         | None       |                 | Riparian scrub  |  |   | <b>This is not present.</b>   |
| Symphytotrichum defoliatum                | San Bernardino aster                      | Dicots      | None         | None       | 1B.2            | Cismontane woodland   Coastal scrub   Lower montane coniferous forest   Marsh & swamp   Meadow & seep   Valley & foothill grassland | Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. | Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 3-2045 m. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Tortula californica                       | California screw moss                     | Bryophytes  | None         | None       | 1B.2            | Chenopod scrub   Valley & foothill grassland  | Chenopod scrub, valley and foothill grassland.   | Moss growing on sandy soil. 45-750 m.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| Valley Needlegrass Grassland              | Valley Needlegrass Grassland              | Herbaceous  | None         | None       |                 | Valley & foothill grassland   |  |   | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name    | Common Name          | Taxon Group | Federal List | State List | Other Status  | Habitats  | General Habitat   | Micro Habitat  | 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. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Agelaius tricolor  | tricolored blackbird | Birds       | None         | Threatened | BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_EN-Endangered   NABCI_RWL-Red Watch List   USFWS_BCC-Birds of Conservation Concern | Freshwater marsh   Marsh & swamp   Swamp   Wetland  | Highly colonial species, most numerous in Central Valley 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.    | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                     | Common Name                                | Taxon Group | Federal List | State List | Other Status  | Habitats                    | General Habitat  | Micro Habitat  | Presence/Absence  |
|-------------------------------------|--|-------------|--------------|------------|---|-----------------------------|--|--|---|
| <i>Aimophila ruficeps canescens</i> | southern California rufous-crowned sparrow | Birds       | None         | None       | CDFW_WL-Watch List  | Chaparral   Coastal scrub   | Resident in Southern California coastal sage scrub and sparse mixed chaparral.                           | Frequents relatively steep, often rocky hillsides with grass and forb patches.                             | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Ammodramus savannarum</i>        | grasshopper sparrow                        | Birds       | None         | None       | CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern | Valley & foothill grassland | Dense grasslands on rolling hills, lowland plains, in valleys and on hillsides on lower mountain slopes. | Favors native grasslands with a mix of grasses, forbs and scattered shrubs. Loosely colonial when nesting. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name       | Common Name | Taxon Group | Federal List | State List | Other Status   | Habitats   | General Habitat   | Micro Habitat  | Presence/Absence   |
|-----------------------|-------------|-------------|--------------|------------|--|--|---|--|--|
| Anaxyrus californicus | arroyo toad | Amphibians  | Endangered   | None       | CDFW_SSC-<br>Species of<br>Special Concern<br>  IUCN_EN-<br>Endangered | Desert wash  <br>Riparian scrub  <br>Riparian<br>woodland   South<br>coast flowing<br>waters   South<br>coast standing<br>waters | Semi-arid<br>regions near<br>washes or<br>intermittent<br>streams,<br>including valley-<br>foothill and<br>desert riparian,<br>desert wash,<br>etc. | Rivers with sandy<br>banks, willows,<br>cottonwoods,<br>and sycamores;<br>loose, gravelly<br>areas of streams<br>in drier parts of<br>range. | No suitable<br>habitat is<br>present on<br>site. <b>This<br/>species is not<br/>present.</b> |

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

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



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

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

| Scientific Name         | Common Name              | Taxon Group | Federal List | State List | Other Status  | Habitats  | General Habitat   | Micro Habitat  | Presence/Absence  |
|-------------------------|--------------------------|-------------|--------------|------------|---|---|---|--|---|
| Asio otus               | long-eared owl           | Birds       | None         | None       | CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFWS_BCC-Birds of Conservation Concern | Cismontane woodland   Great Basin scrub   Riparian forest   Riparian woodland   Upper montane coniferous forest | Riparian bottomlands grown to tall willows and cottonwoods; also, belts of live oak paralleling stream courses. | Require adjacent open land, productive of mice and the presence of old nests of crows, hawks, or magpies for breeding.         | No suitable habitat is present on site. <b>This species is not present.</b> |
| Aspidoscelis hyperythra | orange-throated whiptail | Reptiles    | None         | None       | CDFW_WL-Watch List   IUCN_LC-Least Concern   USFS_S-Sensitive   | Chaparral   Cismontane woodland   Coastal scrub   | Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats.                         | Prefers washes and other sandy areas with patches of brush and rocks. Perennial plants necessary for its major food: termites. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                       | Common Name      | Taxon Group | Federal List | State List | Other Status   | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|---------------------------------------|------------------|-------------|--------------|------------|--|---|--|---|---|
| <i>Aspidoscelis tigris stejnegeri</i> | coastal whiptail | Reptiles    | None         | None       | CDFW_SSC-<br>Species of<br>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.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Athene cunicularia</i>             | burrowing owl    | Birds       | None         | None       | BLM_S-Sensitive<br>  CDFW_SSC-<br>Species of<br>Special Concern<br>  IUCN_LC-Least<br>Concern  <br>USFWS_BCC-<br>Birds of<br>Conservation<br>Concern | Coastal prairie  <br>Coastal scrub  <br>Great Basin<br>grassland   Great<br>Basin scrub  <br>Mojavean desert<br>scrub   Sonoran<br>desert scrub  <br>Valley & foothill<br>grassland | Open, dry<br>annual or<br>perennial<br>grasslands,<br>deserts, and<br>scrublands<br>characterized by<br>low-growing<br>vegetation. | Subterranean<br>nester,<br>dependent upon<br>burrowing<br>mammals, most<br>notably, the<br>California ground<br>squirrel. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name             | Common Name            | Taxon Group | Federal List | State List | Other Status       | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|-----------------------------|------------------------|-------------|--------------|------------|--------------------|---|--|---|---|
| Bombus crotchii             | Crotch bumble bee      | Insects     | None         | None       | 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. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Branchinecta sandiegonensis | San Diego fairy shrimp | Crustaceans | Endangered   | None       | IUCN_EN-Endangered | Chaparral   Coastal scrub   Vernal pool   Wetland | Endemic to San Diego and Orange County mesas.                              | Vernal pools.   | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name | Common Name      | Taxon Group | Federal List | State List | Other Status                               | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|-----------------|------------------|-------------|--------------|------------|--|---|--|---|---|
| Buteo regalis   | ferruginous hawk | Birds       | None         | None       | CDFW_WL-Watch List   IUCN_LC-Least Concern | Great Basin grassland   Great Basin scrub   Pinon & juniper woodlands   Valley & foothill grassland | Open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats.  | Eats mostly lagomorphs, ground squirrels, and mice. Population trends may follow lagomorph population cycles.           | No suitable habitat is present on site. <b>This species is not present.</b> |
| 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. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                              | Common Name           | Taxon Group | Federal List | State List | Other Status  | Habitats                                   | General Habitat  | Micro Habitat   | Presence/Absence   |
|--|-----------------------|-------------|--------------|------------|---|--|--|---|--|
| Campylorhynchus brunneicapillus sandiegensis | coastal cactus wren   | Birds       | None         | None       | CDFW_SSC-<br>Species of<br>Special Concern<br>  USFS_S-<br>Sensitive  <br>USFWS_BCC-<br>Birds of<br>Conservation<br>Concern | Coastal scrub                              | Southern<br>California<br>coastal sage<br>scrub.             | Wrens require<br>tall opuntia<br>cactus for nesting<br>and roosting.  | No suitable<br>habitat is<br>present on<br>site. <b>This<br/>species is not<br/>present.</b> |
| Catostomus santaanae                         | Santa Ana<br>sucker   | Fish        | Threatened   | None       | AFS_TH-<br>Threatened  <br>IUCN_EN-<br>Endangered   | Aquatic   South<br>coast flowing<br>waters | Endemic to Los<br>Angeles Basin<br>south coastal<br>streams. | Habitat<br>generalists, but<br>prefer sand-<br>rubble-boulder<br>bottoms, cool,<br>clear water, and<br>algae. | No suitable<br>habitat is<br>present on<br>site. <b>This<br/>species is not<br/>present.</b> |
| Ceratochrysis longimala                      | Desert cuckoo<br>wasp | Insects     | None         | None       |   |  |  |   | No suitable<br>habitat is<br>present on<br>site. <b>This<br/>species is not<br/>present.</b> |

| Scientific Name            | Common Name                         | Taxon Group | Federal List | State List | Other Status  | Habitats   | General Habitat  | Micro Habitat   | Presence/Absence  |
|----------------------------|-------------------------------------|-------------|--------------|------------|---|--|--|---|---|
| Chaetodipus fallax fallax  | northwestern San Diego pocket mouse | Mammals     | None         | None       | CDFW_SSC-Species of Special Concern   | Chaparral   Coastal scrub  | Coastal scrub, chaparral, grasslands, sagebrush, etc. in western San Diego County.                                     | Sandy, herbaceous areas, usually in association with rocks or coarse gravel.                                      | No suitable habitat is present on site. <b>This species is not present.</b> |
| Charadrius nivosus nivosus | western snowy plover                | Birds       | Threatened   | None       | CDFW_SSC-Species of Special Concern   NABCI_RWL-Red Watch List  | Great Basin standing waters   Sand shore   Wetland   | Sandy beaches, salt pond levees and shores of large alkali lakes.  | Needs sandy, gravelly or friable soils for nesting.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| Circus hudsonius           | northern harrier                    | Birds       | None         | None       | CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFWS_BCC-Birds of Conservation Concern | Coastal scrub   Great Basin grassland   Marsh & swamp   Riparian scrub   Valley & foothill grassland   Wetland | Coastal salt and freshwater marsh. Nest and forage in grasslands, from salt grass in desert sink to mountain cienagas. | Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas. | No suitable habitat is present on site. <b>This species is not present.</b> |



| Scientific Name                         | Common Name                  | Taxon Group | Federal List | State List | Other Status  | Habitats                  | General Habitat   | Micro Habitat  | Presence/Absence  |
|---|------------------------------|-------------|--------------|------------|---|---------------------------|---|--|---|
| <i>Coccyzus americanus occidentalis</i> | western yellow-billed cuckoo | Birds       | Threatened   | Endangered | BLM_S-Sensitive   NABCI_RWL-Red Watch List   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. | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Coleonyx variegatus abbotti</i>      | 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.  | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name            | Common Name             | Taxon Group | Federal List | State List | Other Status  | Habitats   | General Habitat  | Micro Habitat   | Presence/Absence  |
|----------------------------|-------------------------|-------------|--------------|------------|---|--|--|---|---|
| Coturnicops noveboracensis | yellow rail             | Birds       | None         | None       | CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   NABCI_RWL-Red Watch List   USFS_S-Sensitive   USFWS_BCC-Birds of Conservation Concern | Freshwater marsh   Meadow & seep                         | Summer resident in eastern Sierra Nevada in Mono County.   | Freshwater marshlands.  | No suitable habitat is present on site. <b>This species is not present.</b> |
| 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. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name           | Common Name                 | Taxon Group | Federal List | State List           | Other Status                               | Habitats  | General Habitat   | Micro Habitat  | Presence/Absence  |
|---------------------------|-----------------------------|-------------|--------------|----------------------|--|---|---|--|---|
| Dipodomys merriami parvus | San Bernardino kangaroo rat | Mammals     | Endangered   | Candidate Endangered | CDFW_SSC-<br>Species of<br>Special Concern | Coastal scrub                                     | Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains.                | Needs early to intermediate seral stages.  | No suitable habitat is present on site. <b>This species is not present.</b> |
| Dipodomys stephensi       | Stephens' kangaroo rat      | Mammals     | Threatened   | Threatened           | IUCN_VU-<br>Vulnerable                     | Coastal scrub  <br>Valley & foothill<br>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. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name            | Common Name                    | Taxon Group | Federal List | State List | Other Status  | Habitats  | General Habitat   | Micro Habitat   | Presence/Absence  |
|----------------------------|--------------------------------|-------------|--------------|------------|---|---|---|---|---|
| Elanus leucurus            | white-tailed kite              | Birds       | None         | None       | BLM_S-Sensitive   CDFW_FP-Fully Protected   IUCN_LC-Least Concern | Cismontane woodland   Marsh & swamp   Riparian woodland   Valley & foothill grassland   Wetland | Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland. | Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Empidonax traillii extimus | southwestern willow flycatcher | Birds       | Endangered   | Endangered | NABCI_RWL-Red Watch List  | Riparian woodland   | Riparian woodlands in Southern California.  |   | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name       | Common Name         | Taxon Group | Federal List | State List | Other Status  | Habitats   | General Habitat  | Micro Habitat   | Presence/Absence  |
|-----------------------|---------------------|-------------|--------------|------------|---|--|--|---|---|
| <i>Emys marmorata</i> | western pond turtle | Reptiles    | None         | None       | BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_VU-Vulnerable   USFS_S-Sensitive | Aquatic   Artificial flowing waters   Klamath/North coast flowing waters   Klamath/North coast standing waters   Marsh & swamp   Sacramento/San Joaquin flowing waters   Sacramento/San Joaquin standing waters   South coast flowing waters   South coast standing waters   Wetland | A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. | Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                   | Common Name            | Taxon Group | Federal List | State List | Other Status                               | Habitats  | General Habitat  | Micro Habitat  | Presence/Absence  |
|-----------------------------------|------------------------|-------------|--------------|------------|--|---|--|--|---|
| <i>Eremophila alpestris actia</i> | California horned lark | Birds       | None         | None       | CDFW_WL-Watch List   IUCN_LC-Least Concern | Marine intertidal & splash zone communities   Meadow & seep | Coastal regions, chiefly from Sonoma County to San Diego County. Also main part of San Joaquin Valley and east to foothills. | Short-grass prairie, "bald" hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats. | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Eugnosta busckana</i>          | Busck's gallmoth       | Insects     | None         | None       |  | Coastal dunes   Coastal scrub                               |  |  | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                    | Common Name                 | Taxon Group | Federal List | State List | Other Status  | Habitats  | General Habitat  | Micro Habitat  | Presence/Absence  |
|------------------------------------|-----------------------------|-------------|--------------|------------|---|---|--|--|---|
| <i>Eumops perotis californicus</i> | 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.  | No suitable habitat is present on site. <b>This species is not present.</b> |
| <i>Euphydryas editha quino</i>     | 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 <i>Plantago erecta</i> , <i>P. insularis</i> , and <i>Orthocarpus purpureus</i> . | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name          | Common Name | Taxon Group | Federal List | State List | Other Status   | Habitats                                    | General Habitat  | Micro Habitat   | 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.        | No suitable habitat is present on site. <b>This species is not present.</b> |
| Haliaeetus leucocephalus | bald eagle  | Birds       | Delisted     | Endangered | BLM_S-Sensitive   CDF_S-Sensitive   CDFW_FP-Fully Protected   IUCN_LC-Least Concern   USFS_S-Sensitive | Lower montane coniferous forest   Oldgrowth | Ocean shore, lake margins, and rivers for both nesting and wintering. Most nests within 1 mile of water.   | Nests in large, old-growth, or dominant live tree with open branches, especially ponderosa pine. Roosts communally in winter. | No suitable habitat is present on site. <b>This species is not present.</b> |



| Scientific Name    | Common Name          | Taxon Group | Federal List | State List | Other Status  | Habitats   | General Habitat   | Micro Habitat   | 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. | No suitable habitat is present on site. <b>This species is not present.</b> |
| 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.  | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                     | Common Name                       | Taxon Group | Federal List | State List | Other Status  | Habitats   | General Habitat  | Micro Habitat  | Presence/Absence  |
|-------------------------------------|-----------------------------------|-------------|--------------|------------|---|--|--|--|---|
| Laterallus jamaicensis coturniculus | California black rail             | Birds       | None         | Threatened | BLM_S-Sensitive   CDFW_FP-Fully Protected   IUCN_EN-Endangered   NABCI_RWL-Red Watch List | 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. | No suitable habitat is present on site. <b>This species is not present.</b> |
| 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.  | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name   | Common Name      | Taxon Group | Federal List | State List | Other Status                               | Habitats   | General Habitat   | Micro Habitat   | Presence/Absence  |
|-------------------|------------------|-------------|--------------|------------|--|--|---|---|---|
| Myotis yumanensis | Yuma myotis      | Mammals     | None         | None       | BLM_S-Sensitive<br>  IUCN_LC-Least Concern | Lower montane coniferous forest<br>  Riparian forest<br>  Riparian woodland<br>  Upper montane coniferous forest | Optimal habitats are open forests and woodlands with sources of water over which to feed. | Distribution is closely tied to bodies of water. Maternity colonies in caves, mines, buildings or crevices. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Neolarra alba     | white cuckoo bee | Insects     | None         | None       |  |  | Known only from localities in Southern California.  | Cleptoparasitic in the nests of perdita bees.   | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name           | Common Name              | Taxon Group | Federal List | State List | Other Status  | Habitats                                     | General Habitat   | Micro Habitat  | Presence/Absence  |
|---------------------------|--------------------------|-------------|--------------|------------|---|--|---|--|---|
| Neotoma lepida intermedia | San Diego desert woodrat | Mammals     | None         | None       | CDFW_SSC-<br>Species of<br>Special Concern  | Coastal scrub                                | Coastal scrub of Southern California from San Diego County to San Luis Obispo County. | Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Nolina cismontana         | chaparral nolina         | Monocots    | None         | None       | SB_CalBG/RSAB<br>G-<br>California/Ranch<br>o Santa Ana<br>Botanic Garden<br>  SB_SBBG-<br>Santa Barbara<br>Botanic Garden<br>  USFS_S-<br>Sensitive | Chaparral  <br>Coastal scrub  <br>Ultramafic | Chaparral,<br>coastal scrub.  | Primarily on sandstone and shale substrates; also known from gabbro. 140-1100 m.                                 | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                     | Common Name                         | Taxon Group | Federal List | State List           | Other Status  | Habitats   | General Habitat   | Micro Habitat   | Presence/Absence  |
|-------------------------------------|-------------------------------------|-------------|--------------|----------------------|---|--|---|---|---|
| Nyctinomops femorosaccus            | 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.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| Oncorhynchus mykiss irideus 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. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name           | Common Name                | Taxon Group | Federal List | State List | Other Status   | Habitats        | General Habitat  | Micro Habitat  | 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.  | No suitable habitat is present on site. <b>This species is not present.</b> |
| Pandion haliaetus         | osprey                     | Birds       | None         | None       | CDF_S-Sensitive   CDFW_WL-Watch List   IUCN_LC-Least Concern | Riparian forest | Ocean shore, bays, freshwater lakes, and larger streams.   | Large nests built in tree-tops within 15 miles of a good fish-producing body of water. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name        | Common Name         | Taxon Group | Federal List | State List | Other Status  | Habitats   | General Habitat   | Micro Habitat  | Presence/Absence  |
|------------------------|---------------------|-------------|--------------|------------|---|--|---|--|---|
| Phrynosoma blainvillii | coast horned lizard | Reptiles    | None         | None       | BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern | Chaparral   Cismontane woodland   Coastal bluff scrub   Coastal scrub   Desert wash   Pinon & juniper woodlands   Riparian scrub   Riparian woodland   Valley & foothill grassland | Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. | Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Plegadis chihi         | white-faced ibis    | Birds       | None         | None       | CDFW_WL-Watch List   IUCN_LC-Least Concern                                    | Marsh & swamp   Wetland  | Shallow freshwater marsh.   | Dense tule thickets for nesting, interspersed with areas of shallow water for foraging.                                    | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name                           | Common Name                    | Taxon Group | Federal List | State List | Other Status  | Habitats                                   | General Habitat  | Micro Habitat  | Presence/Absence   |
|---|--------------------------------|-------------|--------------|------------|---|--|--|--|--|
| <i>Polioptila californica californica</i> | coastal California gnatcatcher | Birds       | Threatened   | None       | CDFW_SSC-<br>Species of<br>Special Concern<br>  NABCI_YWL-<br>Yellow Watch<br>List              | Coastal bluff<br>scrub   Coastal<br>scrub  | Obligate,<br>permanent<br>resident of<br>coastal sage<br>scrub below<br>2500 ft in<br>Southern<br>California.              | Low, coastal sage<br>scrub in arid<br>washes, on mesas<br>and slopes. Not<br>all areas classified<br>as coastal sage<br>scrub are<br>occupied.     | No suitable<br>habitat is<br>present on<br>site. <b>This<br/>species is not<br/>present.</b> |
| <i>Rhinichthys osculus</i> ssp. 8         | Santa Ana speckled dace        | Fish        | None         | None       | AFS_TH-<br>Threatened  <br>CDFW_SSC-<br>Species of<br>Special Concern<br>  USFS_S-<br>Sensitive | Aquatic   South<br>coast flowing<br>waters | Headwaters of<br>the Santa Ana<br>and San Gabriel<br>rivers. May be<br>extirpated from<br>the Los Angeles<br>River system. | Requires<br>permanent<br>flowing streams<br>with summer<br>water temps of<br>17-20 C. Usually<br>inhabits shallow<br>cobble and gravel<br>riffles. | No suitable<br>habitat is<br>present on<br>site. <b>This<br/>species is not<br/>present.</b> |



| Scientific Name               | Common Name             | Taxon Group | Federal List | State List | Other Status  | Habitats   | General Habitat   | Micro Habitat  | Presence/Absence  |
|-------------------------------|-------------------------|-------------|--------------|------------|---|--|---|--|---|
| Salvadora hexalepis virgultea | coast patch-nosed snake | Reptiles    | None         | None       | CDFW_SSC-Species of Special Concern                         | Coastal scrub  | Brushy or shrubby vegetation in coastal Southern California.  | Require small mammal burrows for refuge and overwintering sites.   | No suitable habitat is present on site. <b>This species is not present.</b> |
| 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. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name  | Common Name          | Taxon Group | Federal List | State List | Other Status  | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|------------------|----------------------|-------------|--------------|------------|---|---|--|---|---|
| Spea hammondii   | western spadefoot    | Amphibians  | None         | None       | BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_NT-Near Threatened               | Cismontane woodland   Coastal scrub   Valley & foothill grassland   Vernal pool   Wetland | Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands.                  | Vernal pools are essential for breeding and egg-laying. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Spinus lawrencei | Lawrence's goldfinch | Birds       | None         | None       | IUCN_LC-Least Concern   NABCI_YWL-Yellow Watch List   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.                           | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name          | Common Name            | Taxon Group | Federal List | State List | Other Status                        | Habitats  | General Habitat  | Micro Habitat   | Presence/Absence  |
|--------------------------|------------------------|-------------|--------------|------------|-------------------------------------|---|--|---|---|
| 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.        | No suitable habitat is present on site. <b>This species is not present.</b> |
| Taricha torosa           | Coast Range newt       | Amphibians  | None         | None       | CDFW_SSC-Species of Special Concern |   | Coastal drainages from Mendocino County to San Diego County.   | Lives in terrestrial habitats and will migrate over 1 km to breed in ponds, reservoirs and slow moving streams. | No suitable habitat is present on site. <b>This species is not present.</b> |

| Scientific Name       | Common Name             | Taxon Group | Federal List | State List | Other Status   | Habitats   | General Habitat   | Micro Habitat  | Presence/Absence  |
|-----------------------|-------------------------|-------------|--------------|------------|--|--|---|--|---|
| Thamnophis hammondii  | two-striped gartersnake | Reptiles    | None         | None       | BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive | Marsh & swamp   Riparian scrub   Riparian woodland   Wetland | Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation.     | Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth. | No suitable habitat is present on site. <b>This species is not present.</b> |
| Vireo bellii pusillus | least Bell's vireo      | Birds       | Endangered   | Endangered | NABCI_YWL-Yellow Watch List  | Riparian forest   Riparian scrub   Riparian woodland         | Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. | Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.  | No suitable habitat is present on site. <b>This species is not present.</b> |

## **APPENDIX C**



Disturbed habitat on site. View from the northern border facing south.



View of disturbed areas and paved developed areas on the southern portion of the site.



View of ornamental Sycamore trees (*Platanus occidentalis*) along northern border of site.



View of disturbed areas on southwest corner of site.

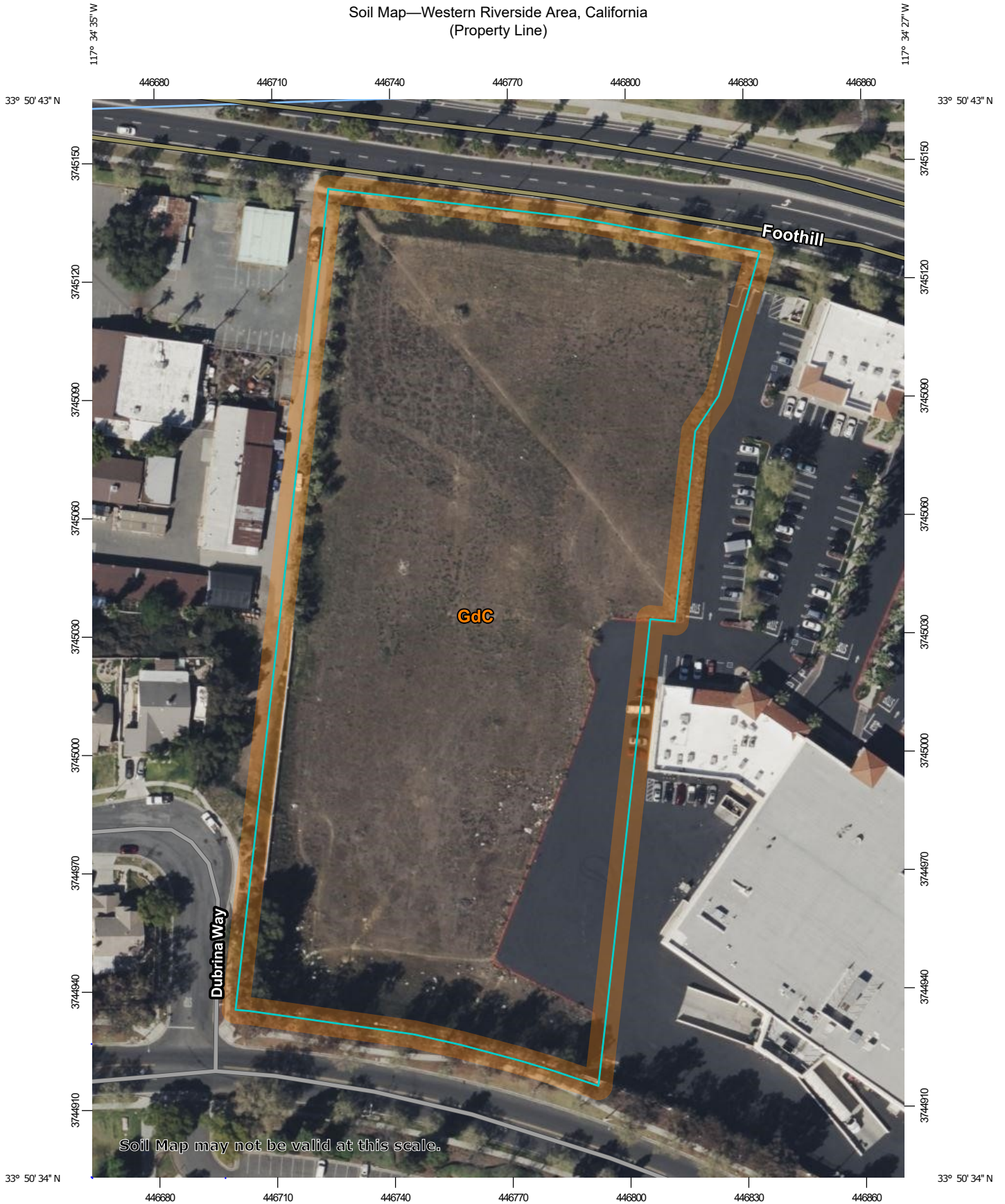


View of developed paved areas on southeast corner of site.

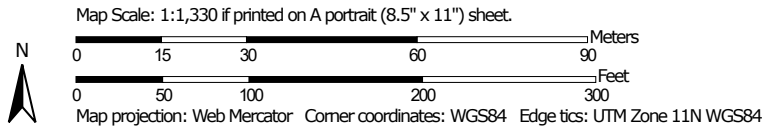
## **APPENDIX D**



Soil Map—Western Riverside Area, California  
(Property Line)



Soil Map may not be valid at this scale.



## 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 14, Sep 13, 2021

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

Date(s) aerial images were photographed: Mar 14, 2022—Mar 17, 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 |
|------------------------------------|--|--------------|----------------|
| GdC                                | Garretson gravelly very fine sandy loam, 2 to 8 percent slopes | 5.2          | 100.0%         |
| <b>Totals for Area of Interest</b> |  | <b>5.2</b>   | <b>100.0%</b>  |