



**GENERAL BIOLOGICAL ASSESSMENT  
AND  
WESTERN RIVERSIDE COUNTY MSHCP  
CONSISTENCY ANALYSIS  
FOR  
ASSESSOR'S PARCEL NUMBERS  
456-040-028 AND -029**

**CITY OF HEMET, COUNTY OF RIVERSIDE, CALIFORNIA**

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**JANUARY 2023**

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## **1.0 Introduction**

HES was contracted to prepare a General Biological Assessment (GBA) and Western Riverside County MSHCP Consistency Analysis for Assessor's Parcel Numbers (APNs) 456-040-028 and -029. The project site consists of approximately 5.76 acres located south of Wentworth Drive in the City of Hemet, County of Riverside, California.

### **1.1 Project Site Location**

The project site consists of Riverside County Assessor's Parcel Numbers (APNs) 456-040-028 and -029. The 5.76-acre property is located north of BNSF Railway, south of Wentworth Drive, west of Sanderson Avenue and east of South Cawston Avenue in the City of Hemet, County of Riverside, California. Specifically, the project site is located within San Jacinto Viejo land grant of the *Winchester* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude for the project site are 33°44'04.5087" North and 117°00'30.9203" West (Figures 1 and 2, *Location Map* and *Vicinity Map*).

### **1.2 Project Description**

The proposed project includes the construction of a warehouse building with an attached office area. The project also includes related parking lots, driveways, and landscaping. (Figure 3, *Project Plans*). The project will result in impacts to the entire 5.76 acres of the site with no offsite improvements.

## **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 (Dudek and Associates 2003) is a comprehensive, multijurisdictional habitat conservation planning program for western Riverside County, California. The purpose of the Western Riverside County MSHCP is to preserve native habitats,

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

Through agreements with the USFWS and California Department of Fish and Wildlife (CDFWG), 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 Hemet, 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 the San Jacinto Valley Area Plan of the Western Riverside County MSHCP. The project site is not located within a MSHCP Criteria Cell or Cell Group. In addition, the site is not located within plan-defined areas requiring surveys for criteria area species, amphibian species, or mammalian species. Further, 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, and no vernal pools were observed within the project boundaries. However, the site is located within plan-defined areas requiring surveys for narrow endemic plant species and burrowing owl (*Athene cunicularia*).

The project site is in a survey area for the following narrow endemic plant species: Munz's onion (*Allium munzii*), San Diego ambrosia (*Ambrosia pumila*), Many-stemmed dudleya (*Dudleya*

*multicaulis*), Spreading navarretia (*Navarretia fossalis*), California Orcutt grass (*Orcuttia californica*), and Wright's trichocoronis (*Trichocoronis wrightii* var. *wrightii*). No suitable habitat for these narrow endemic species occurs on site (Refer to Table 1).

A habitat assessment was conducted for burrowing owl following Step 1 of the Burrowing Owl Survey Instructions for the Western Riverside MSHCP. A habitat assessment was conducted for burrowing owl following Step 1 of the Burrowing Owl Survey Instructions for the Western Riverside MSHCP. The habitat assessment determined that the site does not provide suitable habitat for the species due to the lack of small mammal burrows and manmade structures that could be utilized as burrows, such as earthen berms; cement, asphalt, rock, or wood debris piles; or openings beneath cement or asphalt pavement. Therefore, Step 2 of the Western Riverside MSHCP Burrowing Owl Survey protocol is not required (Figure 5).

## **2.2 Field Survey**

On January 4, 2023, HES conducted a field survey of the site. Ambient temperature at 11:00 A.M. was 57 degrees Fahrenheit, cloudy skies, with winds ranging from 0 to 4 mile per hour the northeast. 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 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, *Species List*. Sensitive plant and wildlife species with the potential to occur within the project area are listed in Appendix B, *Species Probability List*. Representative site photographs were taken and are included within Appendix C, *Site Photographs*.

## **3.0 Existing Conditions and Results**

### **3.1 Environmental Setting**

The 5.76-acre project site is located south of Wentworth Drive, west of Sanderson Avenue and east of South Cawston Avenue in the City of Hemet, County of Riverside, California. The site consists of storage facilities to the north and east, vacant land to the west, and commercial development to the south. The property is relatively flat with elevations ranging from 1,525 feet to 1,535 feet above mean sea level (AMSL).

### 3.2 Soils

Three soil classes are identified to occur on the project site by the USDA Web Soil Survey (Appendix D, *Soils Map*). Soils at the project site are classified as follows:

- Chino silt loam (DCf), drained, saline-alkali;
- San Emigdio fine sandy loam (SeA), 0 to 2 percent slopes, occasional frost; and
- Traver fine sandy loam (Tt2), strongly saline-alkali, eroded.

The soils above are not classified as hydric soils.

### 3.3 Plant and Habitat Communities

The 5.76-acre project site consists of one habitat: ruderal habitat (Figure 4, *Habitat Map*). Following is a description of the habitat types:

#### *Ruderal*

The project site contains approximately 5.76 acres of ruderal habitat. Dominant species observed are non-native vegetation such as tumbleweed (*Salsola tragus*), prickly lettuce (*Lactuca serriola*), and stinknet (*Oncosiphon piluliferum*).

### 3.4 Wildlife

General wildlife species documented on the project site or within the vicinity of the site includes the house finch (*Haemorhous mexicanus*) and Say's phoebe (*Sayornis saya*).

### 3.5 Regional Connectivity/Wildlife Movement

Wildlife movement corridors link together areas of suitable habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbances. The project area was evaluated for its function as a wildlife corridor that species use to move between wildlife habitat zones. Usually, mountain canyons or riparian corridors are used by wildlife as corridors.

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 ruderal or disturbed land surrounded by storage facilities, commercial development, and busy roads. No wildlife movement corridors were found to be present on the project site.

### 3.6 Sensitive Biological Resources

According to the CNDDDB, a total of 54 sensitive species of plants and 58 sensitive species of animals has the potential to occur on or within the vicinity of the project area. These include those species listed or candidates for listing by the U. S. Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW) and California Native Plant Society

(CNPS). All habitats with the potential to be used by sensitive species were evaluated during the site visit and a determination has been made for the presence or probability of presence within this report. This section will address those species listed as Candidate, Rare, Threatened, or Endangered under the state and federal endangered species laws or directed to be evaluated under the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP). Sensitive species which have a potential to occur will also be discussed in this section. Other special status species are addressed within Appendix B, *Species Probability List*.

### 3.6.1 Sensitive Plant Resources

A total of eighteen plant species are listed as state and/or federal Threatened, Endangered, or Candidate species; are 1B.1 listed plants on the CNPS Rare Plant Inventory; or have been found to have a potential to exist on the project site. Below are descriptions of these species:

#### **Chaparral sand-verbena**

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

#### **Munz's onion**

Munz's onion (*Allium munzii*) is a federally Endangered, state Threatened, and CNPS 1B.1 listed plant species. It is found in chaparral, coastal scrub, valley and foothill grasslands, cismontane woodland, and pinyon and juniper woodland. The project site does not have suitable habitat for this species. **This species is not present.**

#### **San Diego ambrosia**

San Diego ambrosia (*Ambrosia pumila*) is listed as federally Endangered and ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes wetlands in chaparral, coastal sage scrub, valley, and foothill grassland. It is commonly found in sandy loam or clay soil and sometimes in alkaline soils. This species persists where disturbance has been superficial. It is also sometimes found on margins or near vernal pools. No habitat for this species is present on the project site. **This species is not present.**

#### **Rainbow manzanita**

Rainbow Manzanita (*Arctostaphylos rainbowensis*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is usually found in gabbro chaparral habitat. No habitat for this species is present on the project site. **This species is not present.**

#### **Jaeger's milk-vetch**

Jaeger's milk-vetch (*Astragalus pachypus var. jaegeri*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is often found in dry ridges and valleys and open sandy slopes. Its habitat includes

coastal scrub, chaparral, valley and foothill grassland, and cismontane woodland. No habitat for this species is present on the project site. **This species is not present.**

### **San Jacinto Valley crownscale**

San Jacinto Valley crownscale (*Atriplex coronata* var. *notatior*) is a federally listed endangered species and is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes playas, valley and foothill grassland, and vernal pools. It is commonly found in the alkaline areas in the San Jacinto River Valley. No habitat for this species is present on the project site. **This species is not present.**

### **Parish's brittlescale**

Parish's brittlescale (*Atriplex parishii*) is ranked 1B.1 in the CNPS Rare Plant inventory. Its habitat includes shadescale scrub, alkali sink, riparian, playas, vernal pools, and wetland. It is usually found on drying alkali flats with fine soils. No habitat for this species is present on the project site. **This species is not present.**

### **Nevin's barberry**

Nevin's barberry (*Berberis nevini*) is a federally and state listed Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is typically found on steep, north facing slopes or in low grade sandy washes. Its habitat includes chaparral, cismontane woodland, coastal scrub, and riparian scrub. 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 and state Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in chaparral, cismontane woodlands, coastal sage scrub, valley and foothill grasslands, vernal pools and wetland. No habitat for this species is present on the project site. **This species is not present.**

### **Smooth tarplant**

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

### **Mojave tarplant**

Mojave tarplant (*Deinandra mohavensis*) is a state listed Endangered Species and is ranked 1B.3 in the CNPS Rare Plant Inventory. This species is typically found in low sand bars in river beds and most commonly in riparian or ephemeral grassy areas. Its habitat includes chaparral, coastal scrub, and riparian scrub. 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.**

### **San Diego button-celery**

San Diego button-celery (*Eryngium aristulatum var. parishii*) is a federally and state listed Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes coastal scrub, valley & foothill grasslands, vernal pools, and wetlands. 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. This species is usually found on alkaline soils in playas, sinks, and grasslands and flowers during April through May. 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.**

### **Spreading navarretia**

Spreading navarretia (*Navarretia fossalis*) is a federally listed Threatened Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes alkali playa, chenopod scrub, marsh and swamp, vernal pools, and wetlands. This species is typically found in swales and vernal pools, often surrounded by other habitat types. No habitat for this species is present on the project site. **This species is not present.**

### **California Orcutt grass**

California Orcutt grass (*Orcuttia californica*) is a federally and state listed Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in vernal pools. No habitat for this species is present on the project site. **This species is not present.**

**Bottle liverwort**

Bottle liverwort (*Sphaerocarpos drewiae*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is typically found in chaparral and coastal scrub in openings on soil. No habitat for this species is present on the project site. **This species is not present.**

**3.6.2 Sensitive Animal Resources**

A total of thirteen animal species 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, *Species Probability List*. Below are descriptions of these species:

**Tricolored blackbird**

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

**Burrowing owl**

Burrowing owl (*Athene cunicularia*) is a CDFW Species of Special Concern. This species is found in 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 conducted on the site determined that no suitable habitat is present due to the lack of small mammal burrows and manmade structures that could be utilized as burrows, such as earthen berms; cement, asphalt, rock, or wood debris piles; or openings beneath cement or asphalt pavement. No burrowing mammal were found on or in the vicinity of the site. The project site does not contain suitable habitat for this species. **This species is not present.**

**Crotch bumble bee**

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

**Vernal pool fairy shrimp**

Vernal pool fairy shrimp (*Branchinecta lynchi*) is a federally listed Threatened Species. This species is found in seasonal pools of water in valley and foothill grasslands. This species typically inhabits small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools. The project site does not contain suitable habitat for this species. **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. There is no habitat for this species on the project site. **The 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 nesting habitat for this species. **This species is not present.**

### **Western yellow-billed cuckoo**

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

### **San Bernardino kangaroo rat**

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

### **Stephen's kangaroo rat**

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

**3.6.3 Nesting Birds**

Migratory non-game native bird species are protected under the federal Migratory Bird Treaty Act. Additionally, Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds and their active nests. The project site contains shrubs that can support nesting songbirds during the nesting bird season of February 1 through September 15.

### **3.7 Jurisdictional Waters**

No streams, drainages, or riparian habitat occur on site. No CDFW, United States Army Corps of Engineers (USACE), or Regional Water Quality Control Board (RWQCB) jurisdictional waters occur on site. Further, no wetlands or vernal pools were found on site.

### **4.0 Project Impacts**

#### **4.1 Impacts to Habitats**

The proposed project is expected to impact the entire 5.76-acre project site consisting of ruderal habitat.

#### **4.2 Impacts to Sensitive Species**

The project site is heavily disturbed, and no sensitive plant or animal species have the potential to occur on site. Therefore, no sensitive species are expected to be impacted by future development of the site.

#### **4.3 Impacts to Nesting Birds**

The project site contains shrubs that can support nesting songbirds during the nesting bird season of February 1 through September 15. Implementation of the measures identified in the Recommendations section of this report (Section 6) will ensure that potential impacts to nesting birds are less than significant.

#### **4.4 Impacts to Critical Habitat**

The project is not located within designated federal critical habitat. No impact to critical habitat is expected to occur.

#### **4.5 Impacts to Wildlife Movement Corridors**

Wildlife movement corridors link together areas of suitable habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbances. The project site was evaluated for its function as a wildlife corridor that species would use to move between wildlife habitat zones. 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 ruderal or disturbed land surrounded by storage facilities, commercial development, and busy roads. No wildlife movement corridors were found to be present on the project site. No impacts to wildlife movement corridors are expected.

#### **4.6 Conflict with Local Policies or Ordinances Protecting Biological Resources**

Should the proposed project result in the removal of trees, it will be required to comply with City of Hemet Ordinance No. 1358. Article IV details the required care and maintenance of street

trees. The project site does not contain any trees; therefore, project activities are not expected to conflict with local policies or ordinances protecting biological resources.

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

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

#### **4.8 State and Federal Drainages**

No jurisdictional waters or associated habitat occur on site. Therefore, no impacts to state or federal jurisdictional drainages will result from project implementation.

### **5.0 Western Riverside County MSHCP Consistency Analysis**

#### **5.1 MSHCP Requirements**

The project area is located within the San Jacinto Valley Area Plan of the Western Riverside County MSHCP. The project site is not located within a MSHCP 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 site does not contain streams or 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 loam. 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 located within the Western Riverside County MSHCP Narrow Endemic Plant Species Survey Area (NEPSSA) pursuant to Section 6.1.3 of the MSHCP. The project site is within the survey areas for the following narrow endemic plant species: Munz's onion, San Diego ambrosia, Many-stemmed dudleya, Spreading navarretia, California Orcutt grass, and Wright's trichocoronis. As specified in Table 1, no suitable habitat for these narrow endemic species occurs on site. Therefore, the NEPSSA requirements are not applicable to the project.

Table 1.  
Habitat Assessments for Narrow Endemic Species

Scientific Name	Common Name	Habitat	Blooming Period	Habitat Assessment
<i>Orcuttia californica</i>	California Orcutt grass	Occurs in wetlands. Habitats include vernal pools in the following communities: freshwater wetlands, valley grassland, and wetland-riparian	April-August	No wetlands or vernal pools occur on site. <b>No suitable habitat for this species occurs on site.</b>
<i>Dudleya multicaulis</i>	many-stemmed dudleya	Often found on clay in chaparral, coastal scrub, and valley and foothill grassland	April-June	No clay soils occur on site. <b>No suitable soils or habitat for this species occurs on site.</b>
<i>Allium munzii</i>	Munz's onion	Found on mesic and clay soils in chaparral, cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland	March-May	No clay soils occur on site. <b>No suitable soils or habitat for this species occurs on site.</b>

<i>Ambrosia pumila</i>	San Diego ambrosia	Occurs usually in non wetlands, occasionally in wetlands. Found on sandy loam or clay soil often in disturbed areas in chaparral, coastal scrub, valley and foothill grassland, and vernal pools	April-October	No clay soils occur on site. <b>No suitable soils or habitat for this species occurs on site.</b>
<i>Navarretia fossalis</i>	spreading navarretia	Occurs in wetlands. found in chenopod scrub, marshes and swamps (assorted shallow freshwater), playas, and vernal pools	April-June	No wetlands or vernal pools occur on site. <b>No suitable habitat for this species occurs on site.</b>
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis	Occurs usually in wetlands, occasionally in non wetlands. Found on alkaline soils in meadows and seeps, marshes and swamps, riparian forest, and vernal pools	May-September	No wetlands or vernal pools occur on site. <b>No suitable habitat for this species occurs on site.</b>

#### *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.

The project site is located within the Western Riverside County MSHCP Additional survey area for burrowing owl. A habitat assessment conducted on the site determined that no suitable habitat is present due to the lack of small mammal burrows and manmade structures that could be utilized as burrows, such as earthen berms; cement, asphalt, rock, or wood debris piles; or

openings beneath cement or asphalt pavement. Therefore, it has been determined that burrowing owl are not currently present on the project site.

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.

## **6.0 Recommendations**

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

### Burrowing Owl

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

### Nesting Birds

- It is recommended that vegetation removal be conducted during the non-nesting season for migratory birds to avoid direct impacts. The non-nesting season is between February 1 and September 15.

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

## 7.0 Certification

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



Date 01-31-2023

Signed \_\_\_\_\_

PROJECT MANAGER

Fieldwork Performed By:

Elizabeth Gonzalez

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SENIOR BIOLOGIST

Sarah Vasquez

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ASSOCIATE BIOLOGIST

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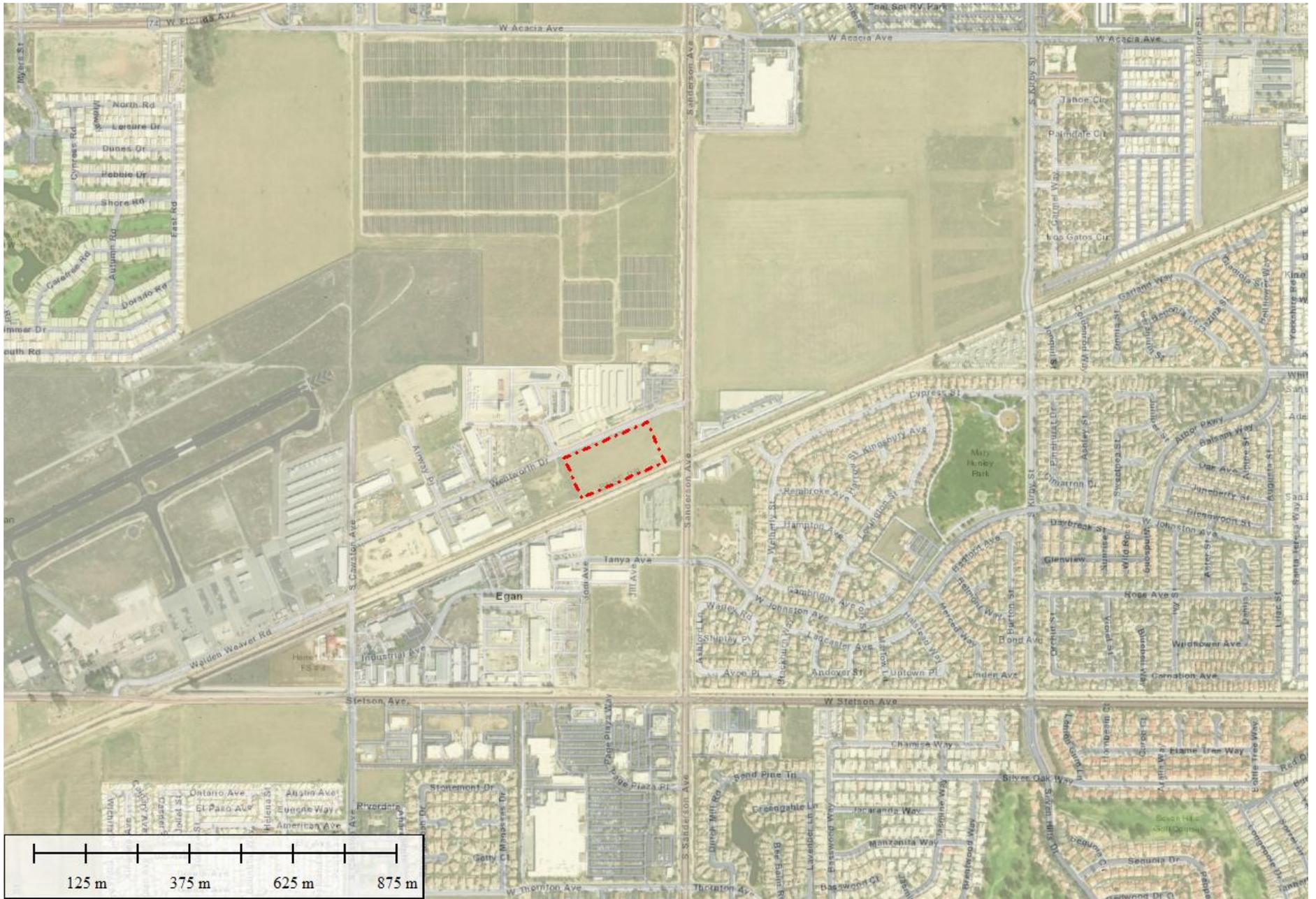
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Western Riverside County Multiple Species Habitat Conservation Plan. Section 6.0 *MSHCP Implementing Structure*.

# **FIGURE 1**



### Location Map

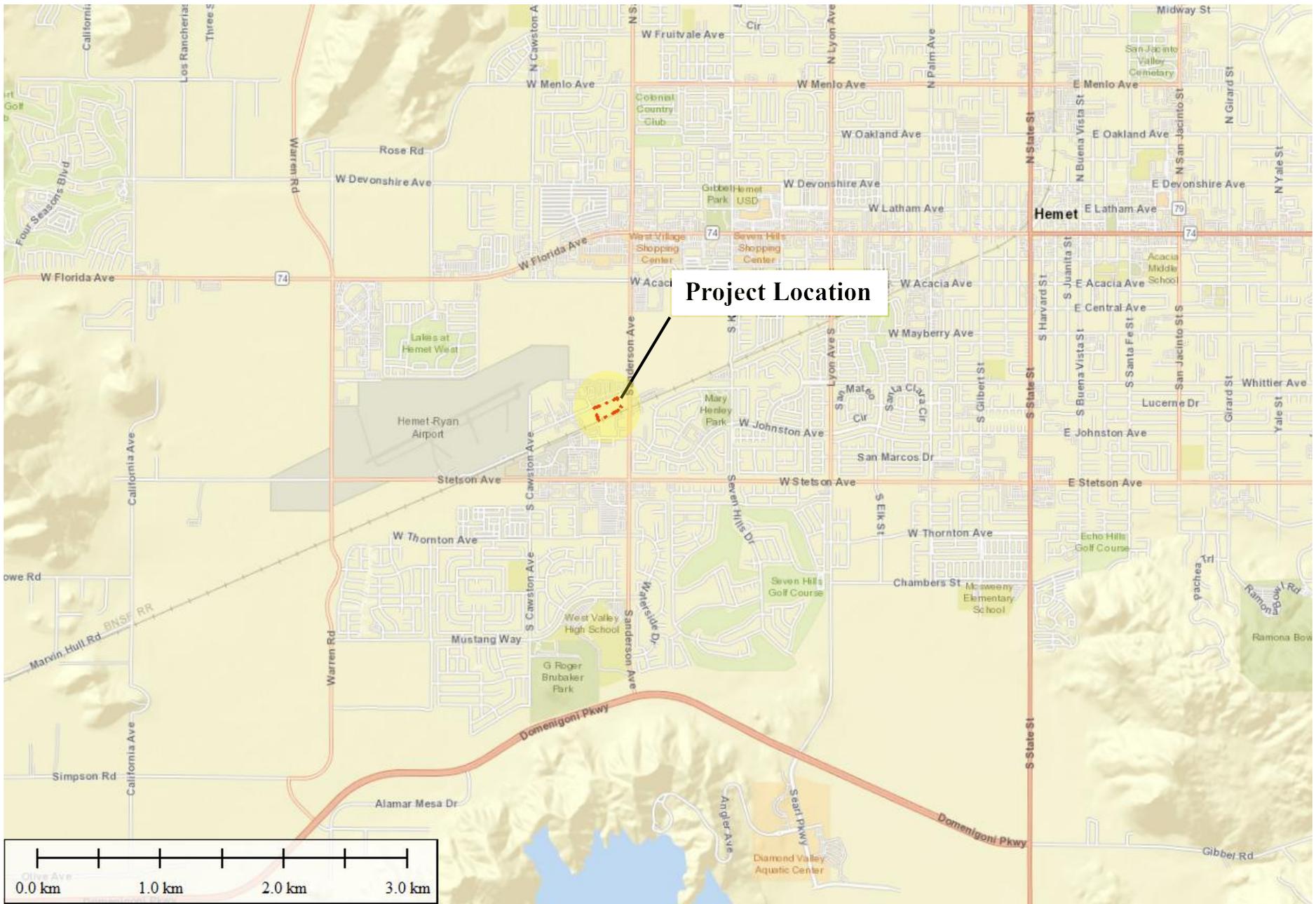
EPD Hemet Wentworth Drive  
 APNs 456-040-028 & -029  
 Riverside County, California

### Legend

 Property Boundary



## **FIGURE 2**



### Vicinity Map

EPD Hemet Wentworth Drive  
 APNs 456-040-028 & -029  
 Riverside County, California

### Legend

 Property Boundary



## **FIGURE 3**

VICINITY MAP



TABULATION

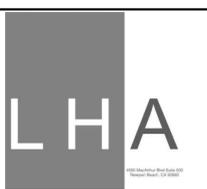
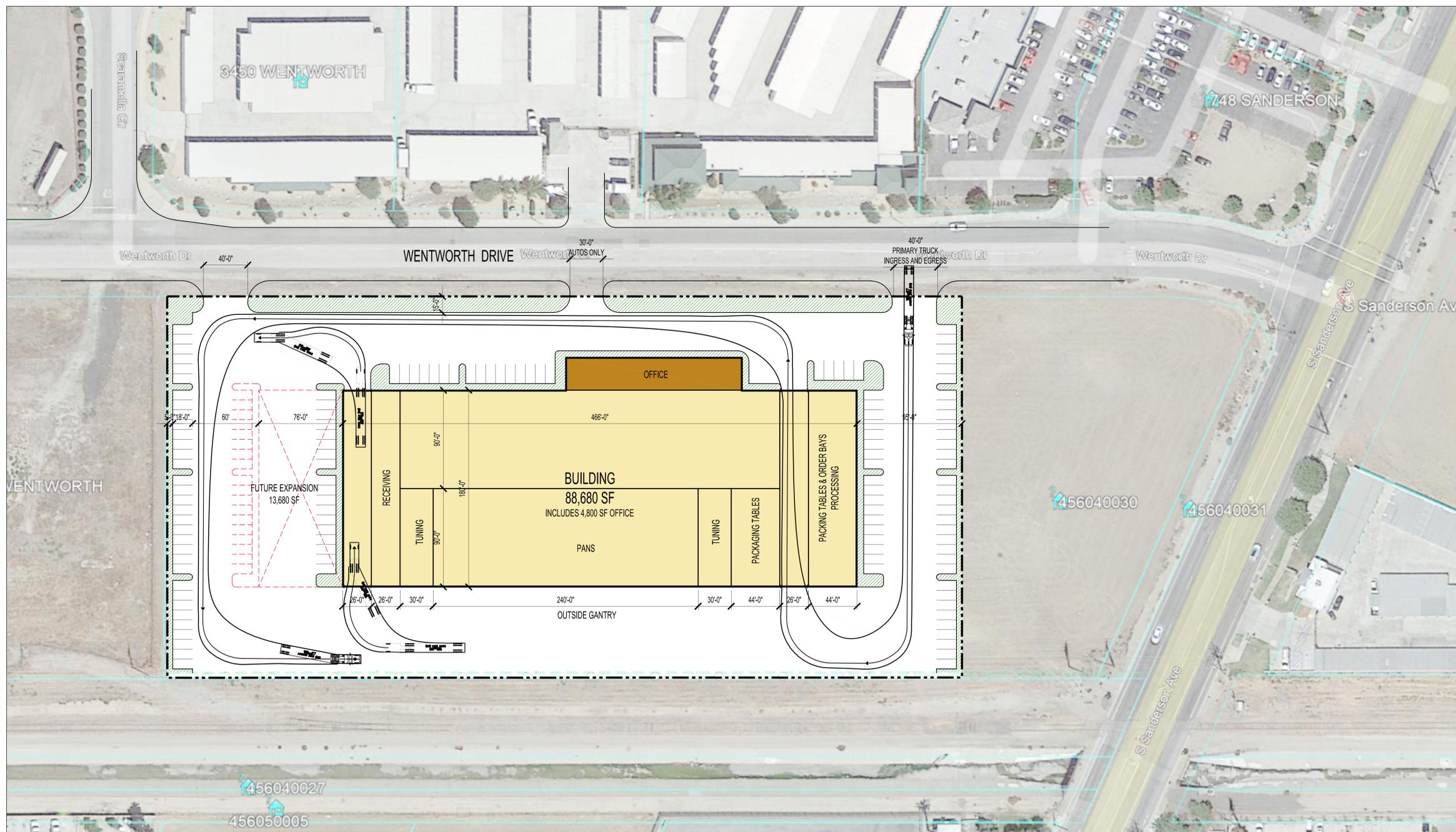
NTS, HEMET			
SITE AREA		251,076	SF
		5.76	Acres
BUILDING AREA	WAREHOUSE	66,600	SF
	MFR	17,280	SF
	OFFICE	4,800	SF
1ST FLOOR TOTAL		88,680	SF
PROJECT FACT	FAR MAX		45%
	FAR PROVIDED		0.36
	CLEAR HEIGHT		32'
	ZONING		M-2
ZONE ORDINANCE	MAX BUILDING HEIGHT		60'
	SET BACK		
	FRONT	15'	
	SIDE	0'	
	REAR	0'	
PARKING REQ	AUTO PARKING		
	SIZE		9'X18'
	WAREHOUSE	1/1000	67
	MFR	1/500	35
	OFFICE	1/250	20
TOTAL			122
PROJECT PROVIDED	PARKING PROVIDED		
	AUTO PARKING STANDARD	9'X18'	123

LEGEND

- WAREHOUSE
- OFFICE
- GRADE LEVEL DOOR

NOTE

THIS IS A CONCEPTUAL SITE PLAN. DIMENSIONS, BUILDING AREA, AND NOTES AS SHOWN ON THE PROJECT TABULATION WILL NEED TO BE VERIFIED ONCE INFORMATION BECOMES AVAILABLE. THIS IS ONLY MEANT TO SERVE TO QUANTIFY AND ILLUSTRATE THE GENERAL BUILDING AND SITE ORIENTATION AS WELL UNDERSTANDING BASIC PARAMETERS OF THE SITE.



PROJECT: **NTS - Sanderson and Wentworth**  
 LOCATION: **Hemet, CA**

DATE: **11.29.2022**  
 PROJECT NO.: **22-350**

VERSION: **3**  
 SCALE: **1" = 40'**



## **FIGURE 4**



### Habitat Map

EPD Hemet Wentworth Drive  
APNs 456-040-028 & -029  
Riverside County, California

### Legend



Property Boundary



Ruderal Habitat (5.76 Ac.)



Hernandez  
Environmental  
Services

# **APPENDIX A**

## Species List

### **Plant List**

*Amsinckia intermedia*

*Brassica tournefortii*

*Erodium* spp.

*Hordeum* sp.

*Lactuca serriola*

*Malva parviflora*

*Oncosiphon piluliferum*

*Salsola tragus*

Common fiddleneck

Asian mustard

Filaree

Barley

Prickly lettuce

Cheeseweed

Stinknet

Tumbleweed

**Animal List**

*Haemorrhous mexicanus*

*Sayornis saya*

House finch

Say's Phoebe

## **APPENDIX 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>

<p>Aimophila ruficeps canescens</p>	<p>southern California rufous-crowned sparrow</p>	<p>Birds</p>	<p>None</p>	<p>None</p>	<p>CDFW_WL-Watch List</p>	<p>Chaparral   Coastal scrub</p>	<p>Resident in Southern California coastal sage scrub and sparse mixed chaparral.</p>	<p>Frequents relatively steep, often rocky hillsides with grass and forb patches.</p>	<p>No suitable habitat is present on site. <b>This species is not present.</b></p>
<p>Anniella stebbinsi</p>	<p>Southern California legless lizard</p>	<p>Reptiles</p>	<p>None</p>	<p>None</p>	<p>CDFW_SSC-Species of Special Concern   USFS_S-Sensitive</p>	<p>Broadleaved upland forest   Chaparral   Coastal dunes   Coastal scrub</p>	<p>Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County.</p>	<p>Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.</p>	<p>No suitable habitat is present on site. <b>This species is not present.</b></p>

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>
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<p>Aquila chrysaetos</p>	<p>golden eagle</p>	<p>Birds</p>	<p>None</p>	<p>None</p>	<p>BLM_S-Sensitive   CDF_S-Sensitive   CDFW_FP-Fully Protected   CDFW_WL-Watch List   IUCN_LC-Least Concern</p>	<p>Broadleaved upland forest   Cismontane woodland   Coastal prairie   Great Basin grassland   Great Basin scrub   Lower montane coniferous forest   Pinon &amp; juniper woodlands   Upper montane coniferous forest   Valley &amp; foothill grassland</p>	<p>Rolling foothills, mountain areas, sage-juniper flats, and desert.</p>	<p>Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.</p>	<p>No suitable habitat is present on site. <b>This species is not present.</b></p>
<p>Arizona elegans occidentalis</p>	<p>California glossy snake</p>	<p>Reptiles</p>	<p>None</p>	<p>None</p>	<p>CDFW_SSC-Species of Special Concern</p>		<p>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.</p>	<p>Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.</p>	<p>No suitable habitat is present on site. <b>This species is not present.</b></p>

Artemisiospiza belli belli	Bell's sage sparrow	Birds	None	None	CDFW_WL-Watch List	Chaparral   Coastal scrub	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range.	Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart.	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>

Aspidoscelis tigris stejnegeri	coastal whiptail	Reptiles	None	None	CDFW_SSC- Species of Special Concern		Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland 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>
Athene cunicularia	burrowing owl	Birds	None	None	BLM_S-Sensitive   CDFW_SSC- Species of Special Concern   IUCN_LC-Least Concern   USFWS_BCC- Birds of Conservation Concern	Coastal prairie   Coastal scrub   Great Basin grassland   Great Basin scrub   Mojavean desert scrub   Sonoran desert scrub   Valley & foothill grassland	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation.	Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	No suitable habitat is present on site. <b>This species is not present.</b>
Bombus crotchii	Crotch bumble bee	Insects	None	Candidate Endangered	IUCN_EN- Endangered		Coastal California east to the Sierra-Cascade crest and south into Mexico.	Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	No suitable habitat is present on site. <b>This species is not present.</b>

Branchinecta lynchi	vernal pool fairy shrimp	Crustaceans	Threatened	None	IUCN_VU-Vulnerable	Valley & foothill grassland   Vernal pool   Wetland	Endemic to the grasslands of the Central Valley, Central Coast mountains, and South Coast mountains, in astatic rain-filled pools.	Inhabit small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools.	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>
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>
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	Birds	None	None	CDFW_SSC-Species of Special Concern   USFS_S-Sensitive   USFWS_BCC-Birds of Conservation Concern	Coastal scrub	Southern California coastal sage scrub.	Wrens require tall opuntia cactus for nesting and roosting.	No suitable habitat is present on site. <b>This species is not present.</b>
Chaetodipus californicus femoralis	Dulzura pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Chaparral   Coastal scrub   Valley & foothill grassland	Variety of habitats including coastal scrub, chaparral and grassland in San Diego County.	Attracted to grass-chaparral edges.	No suitable habitat is present on site. <b>This species is not present.</b>

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>
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 cienegas.	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>
Coccyzus americanus occidentalis	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>

Coleonyx variegatus abbotti	San Diego banded gecko	Reptiles	None	None	CDFW_SSC- Species of Special Concern	Chaparral   Coastal scrub	Coastal and cismontane Southern California.	Found in granite or rocky outcrops in coastal scrub and chaparral habitats.	No suitable habitat is present on site. <b>This species is not present.</b>
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Corynorhinus townsendii	Townsend's big-eared bat	Mammals	None	None	BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive	Broadleaved upland forest   Chaparral   Chenopod scrub   Great Basin grassland   Great Basin scrub   Joshua tree woodland   Lower montane coniferous forest   Meadow & seep   Mojavean desert scrub   Riparian forest   Riparian woodland   Sonoran desert scrub   Sonoran thorn woodland   Upper montane coniferous forest   Valley & foothill grassland	Throughout California in a wide variety of habitats. Most common in mesic sites.	Roosts in the open, hanging from walls and ceilings. Roosting sites limiting. Extremely sensitive to human disturbance.	No suitable habitat is present on site. <b>This species is not present.</b>
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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>
Diadophis punctatus modestus	San Bernardino ringneck snake	Reptiles	None	None	USFS_S-Sensitive		Most common in open, relatively rocky areas. Often in somewhat moist microhabitats near intermittent streams.	Avoids moving through open or barren areas by restricting movements to areas of surface litter or herbaceous veg.	No suitable habitat is present on site. <b>This species is not present.</b>
Dipodomys merriami parvus	San Bernardino kangaroo rat	Mammals	Endangered	Candidate Endangered	CDFW_SSC-Species of Special Concern	Coastal scrub	Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains.	Needs early to intermediate seral stages.	No suitable habitat is present on site. <b>This species is not present.</b>

Dipodomys stephensi	Stephens' kangaroo rat	Mammals	Threatened	Threatened	IUCN_VU-Vulnerable	Coastal scrub   Valley & foothill grassland	Primarily annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover.	Prefers buckwheat, chamise, brome grass and filaree. Will burrow into firm soil.	No suitable habitat is present on site. <b>This species is not present.</b>
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>

Emys marmorata	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>
Eremophila alpestris actia	California horned lark	Birds	None	None	CDFW_WL-Watch List   IUCN_LC-Least Concern	Marine intertidal & splash zone communities   Meadow & seep	Coastal regions, chiefly from Sonoma County to San Diego County. Also main part of San Joaquin Valley and east to foothills.	Short-grass prairie, "bald" hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats.	No suitable habitat is present on site. <b>This species is not present.</b>

Eumops perotis californicus	western mastiff bat	Mammals	None	None	BLM_S-Sensitive   CDFW_SSC-Species of Special Concern	Chaparral   Cismontane woodland   Coastal scrub   Valley & foothill grassland	Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc.	Roosts in crevices in cliff faces, high buildings, trees and tunnels.	No suitable habitat is present on site. <b>This species is not present.</b>
Euphydryas editha quino	quino checkerspot butterfly	Insects	Endangered	None		Chaparral   Coastal scrub	Sunny openings within chaparral and coastal sage shrublands in parts of Riverside and San Diego counties.	Hills and mesas near the coast. Need high densities of food plants <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>

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>

Lanius ludovicianus	loggerhead shrike	Birds	None	None	CDFW_SSC-Species of Special Concern   IUCN_NT-Near Threatened	Broadleaved upland forest   Desert wash   Joshua tree woodland   Mojavean desert scrub   Pinon & juniper woodlands   Riparian woodland   Sonoran desert scrub	Broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub and washes.	Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting.	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>
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>

Linderiella occidentalis	California linderiella	Crustaceans	None	None	IUCN_NT-Near Threatened	Vernal pool	Seasonal pools in unplowed grasslands with old alluvial soils underlain by hardpan or in sandstone depressions.	Water in the pools has very low alkalinity, conductivity, and total dissolved solids.	No suitable habitat is present on site. <b>This species is not present.</b>
Linderiella santarosae	Santa Rosa Plateau fairy shrimp	Crustaceans	None	None		Vernal pool	Found only in the vernal pools on Santa Rosa Plateau in Riverside County.	Southern basalt flow vernal pools.	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>

Neotoma lepida intermedia	San Diego desert woodrat	Mammals	None	None	CDFW_SSC- Species of Special Concern	Coastal scrub	Coastal scrub of Southern California from San Diego County to San Luis Obispo County.	Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	No suitable habitat is present on site. <b>This species is not present.</b>
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>
Perognathus longimembris brevinasus	Los Angeles pocket mouse	Mammals	None	None	CDFW_SSC- Species of Special Concern	Coastal scrub	Lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin.	Open ground with fine, sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead.	No suitable habitat is present on site. <b>This species is not present.</b>

Perognathus longimembris internationalis	Jacumba pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub   Desert wash   Sonoran desert scrub	Desert riparian, desert scrub, desert wash, coastal scrub and sagebrush.	Rarely found on rocky sites; uses all canopy coverages.	No suitable habitat is present on site. <b>This species is not present.</b>
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>

Polioptila californica californica	coastal California gnatcatcher	Birds	Threatened	None	CDFW_SSC- Species of Special Concern   NABCI_YWL- Yellow Watch List	Coastal bluff scrub   Coastal scrub	Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California.	Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	No suitable habitat is present on site. <b>This species is not present.</b>
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>
Socalchemmis icenoglei	Icenogle's socalchemmis spider	Arachnids	None	None		Coastal scrub	Known only from the type locality in the vicinity of Winchester, Riverside County.		No suitable habitat is present on site. <b>This species is not present.</b>
Spea hammondii	western spadefoot	Amphibian s	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>

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>

Taxidea taxus	American badger	Mammals	None	None	CDFW_SSC- Species of Special Concern   IUCN_LC-Least Concern	Alkali marsh   Alkali playa   Alpine   Alpine dwarf scrub   Bog & fen   Brackish marsh   Broadleaved upland forest   Chaparral   Chenopod scrub   Cismontane woodland   Closed-cone coniferous forest   Coastal bluff scrub   Coastal dunes   Coastal prairie   Coastal scrub   Desert dunes   Desert wash   Freshwater marsh   Great Basin grassland   Great Basin scrub   Interior dunes   lone formation   Joshua tree	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils.	Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	No suitable habitat is present on site. <b>This species is not present.</b>
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Thamnophis hammondi	two-striped gartersnake	Reptiles	None	None	BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive	Marsh & swamp   Riparian scrub   Riparian woodland   Wetland	Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation.	Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	No suitable habitat is present on site. <b>This species is not present.</b>
Toxostoma bendirei	Bendire's thrasher	Birds	None	None	BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_VU-Vulnerable   NABCI_RWL-Red Watch List   USFWS_BCC-Birds of Conservation Concern	Joshua tree woodland   Mojavean desert scrub	Migratory; local spring/summer resident in flat areas of desert succulent shrub/Joshua tree habitats in Mojave Desert.	Nests in cholla, yucca, palo verde, thorny shrub, or small tree, usually 0.5 to 20 feet above ground.	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>
Xanthocephalus xanthocephalus	yellow-headed blackbird	Birds	None	None	CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern	Marsh & swamp   Wetland	Nests in freshwater emergent wetlands with dense vegetation and deep water. Often along borders of lakes or ponds.	Nests only where large insects such as Odonata are abundant, nesting timed with maximum emergence of aquatic insects.	No suitable habitat is present on site. <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>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>

Allium munzii	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>
Almutaster pauciflorus	alkali marsh aster	Dicots	None	None	2B.2	Meadow & seep	Meadow and seeps.	Alkaline. 60-765 m.	No suitable habitat is present on site. <b>This species is not present.</b>

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>
Arctostaphylos rainbowensis	Rainbow manzanita	Dicots	None	None	1B.1	Chaparral   Ultramafic	Chaparral.	Usually found in gabbro chaparral. 100-870 m.	No suitable habitat is present on site. <b>This species is not present.</b>

Astragalus pachypus var. jaegeri	Jaeger's milk-vetch	Dicots	None	None	1B.1	Chaparral   Cismontane woodland   Coastal scrub   Valley & foothill grassland	Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland.	Dry ridges and valleys and open sandy slopes; often in grassland and oak-chaparral. 365-1040 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Atriplex coronata var. notatior	San Jacinto Valley crownscale	Dicots	Endangered	None	1B.1	Alkali playa   Valley & foothill grassland   Vernal pool   Wetland	Playas, valley and foothill grassland, vernal pools.	Alkaline areas in the San Jacinto River Valley. 35-460 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Atriplex parishii	Parish's brittlescale	Dicots	None	None	1B.1	Alkali playa   Chenopod scrub   Meadow & seep   Vernal pool   Wetland	Vernal pools, chenopod scrub, playas.	Usually on drying alkali flats with fine soils. 4-1420 m.	No suitable habitat is present on site. <b>This species is not present.</b>

Atriplex serenana var. davidsonii	Davidson's saltscale	Dicots	None	None	1B.2	Coastal bluff scrub   Coastal scrub	Coastal bluff scrub, coastal scrub.	Alkaline soil. 0-480 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Berberis nevinii	Nevin's barberry	Dicots	Endangered	Endangered	1B.1	Chaparral   Cismontane woodland   Coastal scrub   Riparian scrub	Chaparral, cismontane woodland, coastal scrub, riparian scrub.	On steep, N-facing slopes or in low grade sandy washes. 90-1590 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Bombus crotchii	Crotch bumble bee	Insects	None	Candidate 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>

Brodiaea filifolia	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>
Brodiaea santarosae	Santa Rosa Basalt brodiaea	Monocots	None	None	1B.2	Valley & foothill grassland	Valley and foothill grassland.	Santa Rosa Basalt. 585-1045 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Calochortus plummerae	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>

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>
Caulanthus simulans	Payson's jewelflower	Dicots	None	None	4.2	Chaparral   Coastal scrub	Chaparral, coastal scrub.	Frequently in burned areas, or in disturbed sites such as streambeds; also on rocky, steep slopes. Sandy, granitic soils. 90-2200 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Centromadia pungens ssp. laevis	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>

Chorizanthe parryi var. parryi	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>
Chorizanthe polygonoides var. longispina	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>
Clinopodium chandleri	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>

Cryptantha wigginsii	Wiggins' cryptantha	Dicots	None	None	1B.2	Coastal scrub	Coastal scrub.	Often on clay soils. 45-110 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Deinandra mohavensis	Mojave tarplant	Dicots	None	Endangered	1B.3	Chaparral   Coastal scrub   Riparian scrub	Riparian scrub, coastal scrub, chaparral.	Low sand bars in river bed; mostly in riparian areas or in ephemeral grassy areas. 640-1645 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	Riparian	None	None		Riparian woodland			<b>This is not present.</b>
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>
Eryngium aristulatum var. parishii	San Diego button-celery	Dicots	Endangered	Endangered	1B.1	Coastal scrub   Valley & foothill grassland   Vernal pool   Wetland	Vernal pools, coastal scrub, valley and foothill grassland.	San Diego mesa hardpan and claypan vernal pools and southern interior basalt flow vernal pools; usually surrounded by scrub. 15-880 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Githopsis diffusa ssp. filicaulis	Mission Canyon bluecup	Dicots	None	None	3.1	Chaparral	Chaparral.	Probably in open, grassy places and mesic, disturbed areas; much overlooked. 450-700 m.	No suitable habitat is present on site. <b>This species is not present.</b>

Harpagonella palmeri	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>
Imperata brevifolia	California satintail	Monocots	None	None	2B.1	Chaparral   Coastal scrub   Meadow & seep   Mojavean desert scrub   Riparian scrub   Wetland	Coastal scrub, chaparral, riparian scrub, mojavean desert scrub, meadows and seeps (alkali), riparian scrub.	Mesic sites, alkali seeps, riparian areas. 3-1495 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Juncus luciensis	Santa Lucia dwarf rush	Monocots	None	None	1B.2	Chaparral   Great Basin scrub   Lower montane coniferous forest   Meadow & seep   Vernal pool   Wetland	Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub.	Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 280-2035 m.	No suitable habitat is present on site. <b>This species is not present.</b>

<p>Lasthenia glabrata ssp. coulteri</p>	<p>Coulter's goldfields</p>	<p>Dicots</p>	<p>None</p>	<p>None</p>	<p>1B.1</p>	<p>Alkali playa   Marsh &amp; swamp   Salt marsh   Vernal pool   Wetland</p>	<p>Coastal salt marshes, playas, vernal pools.</p>	<p>Usually found on alkaline soils in playas, sinks, and grasslands. 1-1375 m.</p>	<p>No suitable habitat is present on site. <b>This species is not present.</b></p>
<p>Lepidium virginicum var. robinsonii</p>	<p>Robinson's pepper-grass</p>	<p>Dicots</p>	<p>None</p>	<p>None</p>	<p>4.3</p>	<p>Chaparral   Coastal scrub</p>	<p>Chaparral, coastal scrub.</p>	<p>Dry soils, shrubland. 4-1435 m.</p>	<p>No suitable habitat is present on site. <b>This species is not present.</b></p>
<p>Myosurus minimus ssp. apus</p>	<p>little mousetail</p>	<p>Dicots</p>	<p>None</p>	<p>None</p>	<p>3.1</p>	<p>Valley &amp; foothill grassland   Vernal pool   Wetland</p>	<p>Vernal pools, valley and foothill grassland.</p>	<p>Alkaline soils. 20-640 m.</p>	<p>No suitable habitat is present on site. <b>This species is not present.</b></p>

Nama stenocarpa	mud nama	Dicots	None	None	2B.2	Marsh & swamp   Wetland	Marshes and swamps.	Lake shores, river banks, intermittently wet areas. 15-815 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Navarretia fossalis	spreading navarretia	Dicots	Threatened	None	1B.1	Alkali playa   Chenopod scrub   Marsh & swamp   Vernal pool   Wetland	Vernal pools, chenopod scrub, marshes and swamps, playas.	San Diego hardpan and San Diego claypan vernal pools; in swales and vernal pools, often surrounded by other habitat types. 15-850 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Navarretia prostrata	prostrate vernal pool navarretia	Dicots	None	None	1B.2	Coastal scrub   Meadow & seep   Valley & foothill grassland   Vernal pool   Wetland	Coastal scrub, valley and foothill grassland, vernal pools, meadows and seeps.	Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 3-1235 m.	No suitable habitat is present on site. <b>This species is not present.</b>

Orcuttia californica	California Orcutt grass	Monocots	Endangered	Endangered	1B.1	Vernal pool   Wetland	Vernal pools.	10-660 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Penstemon californicus	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>
Pseudognaphalium leucocephalum	white rabbit-tobacco	Dicots	None	None	2B.2	Chaparral   Cismontane woodland   Coastal scrub   Riparian woodland	Riparian woodland, cismontane woodland, coastal scrub, chaparral.	Sandy, gravelly sites. 35-515 m.	No suitable habitat is present on site. <b>This species is not present.</b>

Scutellaria bolanderi ssp. austromontana	southern mountains skullcap	Dicots	None	None	1B.2	Chaparral   Cismontane woodland   Lower montane coniferous forest	Chaparral, cismontane woodland, lower montane coniferous forest.	In gravelly soils on streambanks or in mesic sites in oak or pine woodland. 425-2000 m.	No suitable habitat is present on site. <b>This species is not present.</b>
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 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 Basalt Flow Vernal Pool	Southern Interior Basalt Flow Vernal Pool	Herbaceous	None	None		Vernal pool   Wetland			<b>This is not present.</b>

Southern Mixed Riparian Forest	Southern Mixed Riparian Forest	Riparian	None	None		Riparian forest			<b>This is not present.</b>
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>
Sphaerocarpos drewiae	bottle liverwort	Bryophytes	None	None	1B.1	Chaparral   Coastal scrub	Chaparral, coastal scrub.	Liverwort in openings; on soil. 60-585 m.	No suitable habitat is present on site. <b>This species 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>
Texosporium sancti-jacobi	woven-spored lichen	Lichens	None	None	3	Chaparral	Chaparral.	Open sites; in California with Adenostoma fasciculatum, Eriogonum, Selaginella. Found on soil, small mammal pellets, dead twigs, and on Selaginella. 60-870 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>
Trichocoronis wrightii var. wrightii	Wright's trichocoronis	Dicots	None	None	2B.1	Marsh & swamp   Meadow & seep   Riparian forest   Vernal pool   Wetland	Marshes and swamps, riparian forest, meadows and seeps, vernal pools.	Mud flats of vernal lakes, drying river beds, alkali meadows. 5-435 m.	No suitable habitat is present on site. <b>This species is not present.</b>
Valley Needlegrass Grassland	Valley Needlegrass Grassland	Herbaceous	None	None		Valley & foothill grassland			<b>This is not present.</b>

## **APPENDIX C**



View of western border of the site. Photo taken from the northwest corner facing south.



View of site from the west facing east.



View of railroad track north south of the project site.



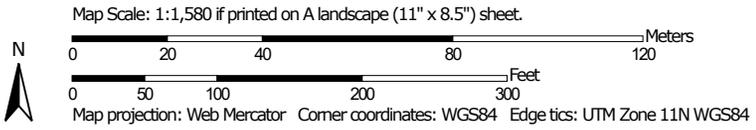
View of the site from the eastern border facing west.



View of intersection of Wentworth Dr. and Sanderson Ave. northeast of the project site.

## **APPENDIX D**

Soil Map—Western Riverside Area, California  
(Wentworth PL)



## 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 15, Sep 6, 2022

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

Date(s) aerial images were photographed: Mar 15, 2022—May 28, 2022

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

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cf	Chino silt loam, drained, saline-alkali	5.1	87.7%
SeA	San Emigdio fine sandy loam, 0 to 2 percent slopes, occasional frost	0.5	9.4%
Tt2	Traver fine sandy loam, strongly saline-alkali, eroded	0.2	2.9%
<b>Totals for Area of Interest</b>		<b>5.8</b>	<b>100.0%</b>