



**GENERAL BIOLOGICAL ASSESSMENT  
FOR  
ASSESSOR'S PARCEL NUMBER  
456-030-020**

**CITY OF HEMET  
RIVERSIDE COUNTY, CALIFORNIA**

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## **1.0 Introduction**

Hernandez Environmental Services (HES) was contracted by EPD Solutions, Inc. to prepare a General Biological Assessment (GBA) and Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) consistency analysis for Riverside County Assessor's Parcel Number (APN) 456-030-020 located in the City of Hemet, Riverside County, California.

### **1.1 Project Site Location**

The approximate 43.56-acre project site is located southwest of West Acacia Avenue and South Kirby Street in the City of Hemet, Riverside County, California. Specifically, the project site is located within the San Jacinto Viejo land grant of the *Hemet* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude coordinates for the project site are 33°44'22.4703" North and 116°59'58.9072" West (Figures 1 and 2).

### **1.2 Project Description**

The project proposes the development of an industrial warehouse building with associated parking lots and landscaping (Figure 3). The development is expected to impact the entire 43.56-acre project site. No offsite impacts are expected to occur.

## **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 Inventory 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 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 Western Riverside County MSHCP San Jacinto Valley Area Plan. The project site is not located within a Criteria Cell or Cell Group, or within plan-defined areas requiring surveys for narrow endemic plant species, invertebrate species, criteria area species, amphibian species, or mammalian species. 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, and no vernal pools were observed within the project boundaries. However, the site is located within plan-defined areas requiring surveys for burrowing owl (*Athene cunicularia*). A habitat assessment was conducted for burrowing owl following Step 1 of the Burrowing Owl Survey Instructions for the Western Riverside MSHCP. The assessment determined that the site provides suitable habitat for the species. Focused protocol surveys following the *Burrowing Owl Survey Instructions for the Western Riverside County Multiple Species Habitat Conservation Plan Area* were conducted from March 3 to April 12, 2022. The surveys determined BUOW is absent from the project site and the surrounding 500-foot buffer.

## 2.2 Field Survey

On February 18, 2022, HES biologists conducted a field survey of the 43.56-acre project site. The ambient temperature at 8:09 A.M. was 45 degrees Fahrenheit, 0% cloud cover, with winds ranging from 0 to 1 mile per hour from the north. 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, ruderal land dominated by common fiddleneck (*Amsinckia intermedia*) and redstem filaree (*Erodium cicutarium*). The site is generally surrounded by residential development to the east and south, commercial development to the north, and vacant land to the west. Onsite elevations range from 1,450 feet above mean sea-level (AMSL) to 1,515 feet AMSL. The California ground squirrel was observed frequently and was very active on site. A 2004 historical sighting of a burrowing owl existed west of the project site. The area where the historical sighting occurred has been threatened by agricultural, commercial, and urban development the last several decades.

### 3.2 Soils

Three soil classifications have historically been mapped on the project site by the USDA Web Soil Survey (Appendix D). Onsite mapped soil is comprised of San Emigdio fine sandy loam (SeA), 0 to 2 percent slopes, occasional frost; San Emigdio fine sandy loam (SfA), deep, 0 to 2 percent slopes; and San Emigdio loam (SgA), 0 to 2 percent slopes.

### 3.3 Plant and Habitat Communities

The approximate 43.56-acre project site consists entirely of ruderal habitat (Figure 4). This habitat is dominated by common fiddleneck and redstem filaree. Other characteristic non-native species include compact brome (*Bromus madritensis*), shortpod mustard (*Hirschfeldia incana*), tumbleweed (*Salsola*

*tragus*), and London rocket (*Sisymbrium irio*). A deodar cedar (*Cedrus deodara*) tree is present in the northeast corner of the property.

### **3.4 Wildlife**

General wildlife species documented on the project site or within the vicinity of the site include the common raven (*Corvus corax*), red-tailed hawk (*Buteo jamaicensis*), scrub jay (*Aphelocoma californica*), California ground squirrel (*Otospermophilus beecheyi*), and desert cottontail (*Sylvilagus audubonii*).

### **3.5 Regional Connectivity/Wildlife Movement**

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

The project site is not located within a designated wildlife corridor or linkage. The project area was evaluated for its function as a wildlife corridor that species use to move between wildlife habitat zones. The project site consists of flat, vacant, ruderal land and is surrounded by urban development. No wildlife movement corridors were found to be present on the project site.

## **4.0 Sensitive Biological Resources**

### **4.1 Threatened and Endangered Species**

A total of 56 sensitive species of plants and 59 sensitive species of animals has the potential to occur on or within the vicinity of the project location. These include those species listed or candidates for listing by the USFWS, CDFW, and CNPS. All habitats with the potential to be used by sensitive species were evaluated during the site visit and a determination has been made for the presence or probability of presence within this report. This section will address those species listed as Candidate, Rare, Threatened, or Endangered under the state and federal endangered species laws or directed to be evaluated under the Western Riverside County MSHCP. Sensitive species which have a potential to occur will also be discussed in this section. All special status species are addressed within Appendix B.

#### **4.1.1 Threatened and Endangered Plants**

A total of 16 plant species are listed as state and/or federally Threatened, Endangered, or Candidate species; are 1B.1 listed plants on the CNPS Rare Plant Inventory; or have a potential to be present on 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. The project site consists of ruderal habitat. 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 listed as a federally Endangered and state Threatened Species and is 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. The project site consists of ruderal habitat. 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 a federally Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes chaparral, coastal sage scrub, and valley and foothill grassland. The project site consists of ruderal 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. This species inhabits dry ridges and valleys and open, sandy slopes. It often occurs in grasslands or oak-chaparral habitats. No suitable habitat exists on the project site. **This species is not present.**

*San Jacinto Valley crownscale*

San Jacinto Valley crownscale (*Atriplex coronata* var. *notatior*) is listed as a federally Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes playas, valley and foothill grassland, and vernal pools. The project site consists of ruderal habitat. 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. The project site consists of ruderal habitat. 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 Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. This species grows on steep, north-facing slopes or in low-grade sandy washes within chaparral, cismontane woodland, coastal scrub, or riparian scrub habitats. No suitable habitat exists on the project site. **This species is not present.**

*Thread-leaved brodiaea*

The thread-leaved brodiaea (*brodiaea filifolia*) is listed as 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. The project site consists of ruderal habitat. 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 habitat includes alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, and valley and foothill grasslands. The project site consists of ruderal habitat. 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, and valley and foothill grassland. The project site consists of ruderal habitat. 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 Endangered Species and is ranked 1B.3 in the CNPS Rare Plant Inventory. This species inhabits riparian scrub, coastal scrub, and chaparral within low sandbars and riverbeds or ephemeral grassy areas. No suitable habitat exists on the project site. **This species is not present.**

#### *Cuyamaca larkspur*

Cuyamaca larkspur (*Delphinium hesperium ssp. cuyamacae*) is a state Rare Species and ranked 1B.2 in the CNPS Rare Plant Inventory. This species is usually found in low, moist areas within meadows. No suitable habitat exists on the project site. **This species is not present.**

#### *Slender-horned spineflower*

Slender - horned spineflower (*Dodecahema leptoceras*) is listed as a federally and state 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). The project site consists of ruderal habitat. 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. The project site

consists of ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

#### *Spreading navarretia*

Spreading navarretia (*Navarretia fossalis*) is listed as a federally 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. The project site consists of ruderal habitat. 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 listed as a federally and state Endangered Species. It is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in vernal pools. The project site consists of ruderal habitat with no vernal pools or jurisdictional waters. 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 15 animal species are listed as state and/or federal Threatened, Endangered, Candidate will be reviewed in this section. Sensitive species which have a potential to occur will also be discussed in this section. Below are descriptions of these species:

#### *Tricolored blackbird*

Tricolored blackbird (*Agelaius tricolor*) is a state listed Threatened Species and a CDFW 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. No habitat for this species is present on the project site. **This 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. No habitat for this species is present on the project site. **This species is not present.**

#### *California glossy snake*

California glossy snake (*Arizona elegans occidentalis*) is a CDFW Species of Special Concern. This species is a generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils. Suitable habitat exists on the project site. **This species has potential to be 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 conducted on the site determined that suitable habitat is present due to the nature of the habitat and soil type. In addition, the project area is within a burrowing owl survey area.

Focused surveys for this species were conducted from March 3 to April 12, 2022. Evidence of ground squirrel and ground squirrel activity was observed, and approximately 189 suitable burrows were identified and recorded in the study area. BUOW signs such as molted feathers, cast pellets, and excrement found on rock outcroppings were not found. All burrows are considered inactive and not in use by burrowing owl. This species was not observed on the project site or within the 500-foot buffer. Based on the focused survey results, the project site is not in use by the burrowing owl. **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. No habitat for this species is present on the project site. **This species is not present.**

*Southern rubber boa*

Southern rubber boa (*Charina umbratica*) is a state Threatened Species. It is found in the vicinity of streams or wet meadows and requires loose, moist soil for burrowing and rocks or surface objects for cover. No suitable habitat exists on the project site. **This species is not present.**

*Western yellow-billed cuckoo*

Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*) is a federally Threatened and state Endangered Species. This bird nests in riparian forests along broad, lower flood-bottoms of large river systems. No suitable habitat exists on the project site. **This species is not present.**

*San Bernardino kangaroo rat*

San Bernardino kangaroo rat (*Dipodomys merriami parvus*) is a federally listed Endangered Species and a state listed Candidate Endangered Species. It is listed as 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. No habitat for this species is present on the project site. **This species is not present.**

*Stephens' kangaroo rat*

Stephens' kangaroo rat (*Dipodomys stephensi*) is a federally listed Endangered 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 area is disturbed and appears to be routinely impacted by weed abatement activities. No suitable habitat for this species is present on site. **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*. No habitat for this species is present on the project site. **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 forests and old-growth forests. 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.**

*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. No habitat for this species is present on the project site. **This species is not present.**

*Southern mountain yellow-legged frog*

Southern mountain yellow-legged frog (*Rana muscosa*) is a federally and state Endangered Species and on the CDFW Watch List. It lives in aquatic habitats and is often encountered within a few feet of water. No suitable habitat exists on the project site. **This species is not present.**

*Riverside fairy shrimp*

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

*Least Bell's vireo*

Least Bell's vireo (*Vireo bellii pusillus*) is a federal and state listed Endangered species. This species is found in riparian forest, riparian scrub, and riparian woodland. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams. 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 a tree that can be utilized by nesting birds during the nesting bird season of February 1 through September 15.

## 4.3 Critical Habitat

The project site is not within or adjacent to any designated federal critical habitat for endangered species. The closest critical habitats are coastal California gnatcatcher critical habitat located approximately 1.50 miles south of the project site near Diamond Valley Lake and spreading navarretia critical habitat located approximately 1.50 miles west of the project site.

## 4.4 State and Federal Drainages

No CDFW, USACE, or RWQCB jurisdictional waters are present within the project site.

## 5.0 Project Impacts

### 5.1 Impacts to Existing Habitats

The 43.56-acre project site consists of ruderal habitat. The proposed project is expected to impact 100% of the project site, with 43.56 acres of ruderal habitat expected to be disturbed from project implementation (Figure 5).

### 5.2 Impacts to Sensitive Species

#### *California glossy snake*

California glossy snake) is a CDFW Species of Special Concern. Suitable habitat for this species is present within the ruderal habitat on site. Development of the proposed project may impact this species.

### 5.2 Impacts to Nesting Birds

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

### 5.4 Impacts to Critical Habitat

The project site is not within or adjacent to any federal critical habitat for endangered species. No impacts to critical habitat would result from project implementation.

## 5.5 State and Federal Drainages

No CDFW, USACE, or RWQCB jurisdictional waters occur within the project area. No impacts to jurisdictional waters will occur from development.

## 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, ruderal land surrounded by urban development. No wildlife movement corridors were found to be present on the project site. No impacts to wildlife movement corridors are expected.

## 5.7 Conflict with Local Policies or Ordinances Protecting Biological Resources

Any project activities that have the potential to impact onsite trees require a survey of oak and native trees to comply with Riverside County Ordinance 559. No oak or native trees are located on the project site. Therefore, development of the project site would not conflict with this ordinance.

## 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. The project area falls within the Western Riverside County MSHCP, and therefore must comply with the updated mitigation fees (2022). For an industrial development, the fee is \$16,358/acre.

## 6.0 Western Riverside County MSHCP Consistency Analysis

### 6.1 MSHCP Requirements

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

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 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.

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 suitable habitat is present. Protocol surveys for the burrowing owl determined the absence of this species from the project site.

### **Table 1. Focused Burrowing Owl Survey Information**

Survey	Date	Survey Start Time	Survey End Time	Sunrise/Sunset	Weather
1	March 3, 2022	O630 hours	O812 hours	O612 hours 1746 hours	48-57 degrees Fahrenheit, 10% cloud cover, winds 0-2 miles per hour from the southeast.
2	March 16, 2022	O736 hours	O855 hours	O655 hours 1856 hours	46-54 degrees Fahrenheit, 0% cloud cover, winds 0-2 miles per hour from the southeast.
3	April 5, 2022	O730 hours	O820 hours	O628 hours 1911 hours	52-56 degrees Fahrenheit, 0% cloud cover, no winds.
4	April 12, 2022	O740 hours	O830 hours	O619 hours 1916 hours	49-51 degrees Fahrenheit, 0% cloud cover, winds 0-5 mile per hour from the northwest.

Evidence of ground squirrels and ground squirrel activity was observed, and approximately 189 suitable burrows were identified and recorded in the study area. 159 burrows occur within the project site and 30 burrows occur within the 500-foot buffer. BUOW signs such as molted feathers, cast pellets, and excrement found on rock outcroppings were not found. All burrows are considered inactive and not in use by burrowing owl. No BUOW were observed on the project site.

Based on the absence of BUOW and BUOW evidence (i.e., scat, pellets, and feathers) within the study area, it can be concluded that the study area is not in use by BUOW. Refer to Appendix E.

## 7.0 Recommendations

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

### Nesting Birds

- It is recommended that vegetation removal be conducted during the non-nesting season for migratory birds to avoid direct impacts. The 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 suitable buffer shall be fenced around the nests, as determined by a qualified biologist.
- 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.

### Burrowing Owl

- Based on the presence of suitable habitat documented during the habitat assessment and focused burrowing owl surveys, a 30-day preconstruction survey will be conducted immediately prior to the initiation of construction to ensure the protection of this species and compliance with the conservation goals as outlined in the MSHCP.

### Sensitive Species

- No sensitive plants occur within the project area.
- The California glossy snake has the potential to occur on site. A pre-construction survey shall be conducted to determine the presence or absence of this species on the project site prior to any ground-disturbing activities.
  - If any California glossy snake is found on site during the preconstruction survey a qualified biologist will relocate the snake to the nearest available offsite area with suitable habitat.

## 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 05/6/2022 Signed \_\_\_\_\_

PROJECT MANAGER

Fieldwork Performed By:

Elizabeth Gonzalez

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

Sarah Vasquez

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

Sarah Gulyas

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

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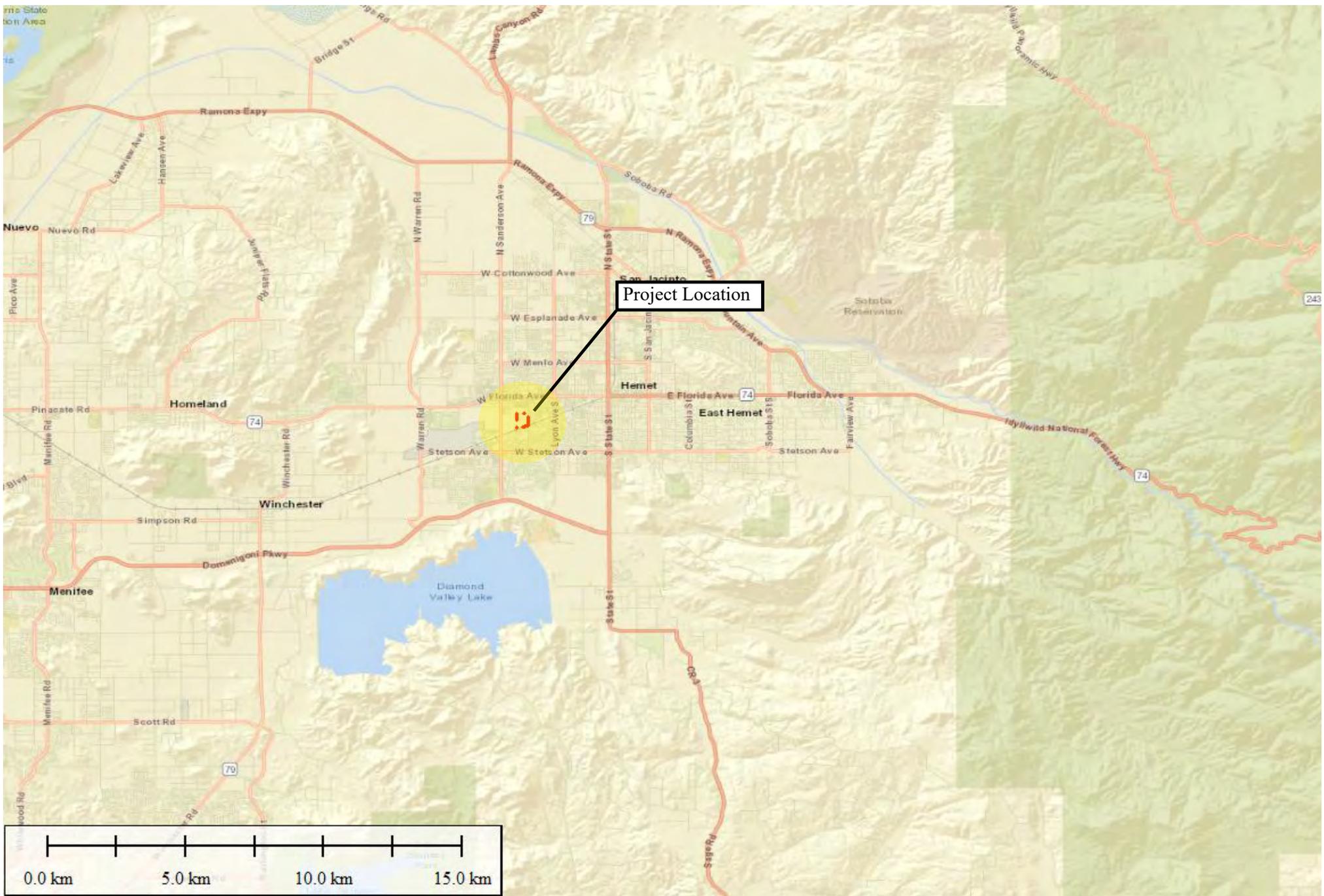
# FIGURES



**Figure 1**  
 Location Map  
 APN 456-030-020  
 City of Hemet, Riverside County, California

**Legend**  
 Project Site Boundary





**Figure 2**  
 Vicinity Map  
 APN 456-030-020  
 City of Hemet, Riverside County, California

**Legend**  
 Project Site Boundary





**PROJECT DATA:**

SITE AREA:		
GROSS:		43.02 AC
BUILDING FOOTPRINT: 1,873,859 SF		
BUILDING USE:		
WAREHOUSE		823,280 SF
OFFICE	@ 2%	15,600 SF
COVERAGE: 45%		
PARKING REQUIRED:		
WAREHOUSE	1/1000 SF	823 STALLS
OFFICE	1/250 SF	62 STALLS
TOTAL		886 STALLS
PARKING PROVIDED:		
AUTO:		901 STALLS
		@1.07/1000 SF
		18 STALLS
		158 STALLS
REQ. ACCESSIBLE		
TRAILER:		158 STALLS
TRUCK DOCKS:		
DOCK-HIGH DOORS		119
KNOCK-OUTS OR RATED		5
GRADE-LEVEL DOORS		4
LANDSCAPE	@ 10%	187,772 SF

**DEVELOPMENT STANDARDS:**

**ZONING:** B-P

MAX. F.A.R.: 0.60  
 MAX. COVERAGE: 65%  
 MAX. BLDG. HT.: 55 FT

**BUILDING SETBACKS:**

FRONT: 20 FT  
 SIDE: 0 FT<sup>3</sup>  
 REAR: 0 FT<sup>2</sup>

**LANDSCAPE SETBACKS:**

FRONT: 20 FT  
 SIDE: 0 FT<sup>3</sup>  
 REAR: 0 FT<sup>2</sup>

**LANDSCAPE REQ.:** 10%<sup>4</sup>

**OFF-STREET PARKING:**

STANDARD: 9X18<sup>5</sup>  
 DRIVE AISLE: 25 FT  
 OVERHANG: 2 FT  
 TREE WELL: 5 FT

**REQ. PARKING RATIO BY USE:**

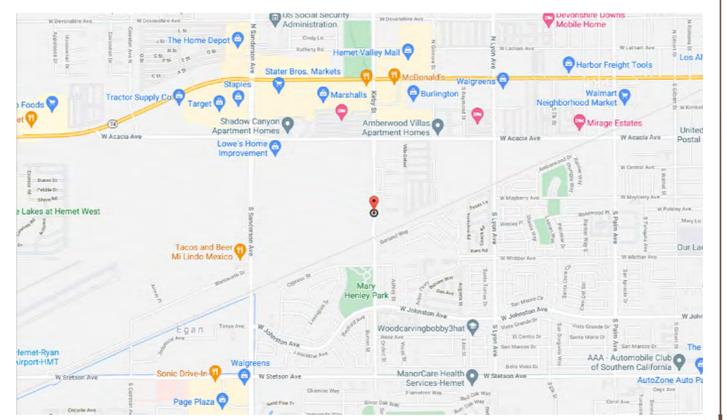
WAREHOUSE: 1/1000 SF<sup>1</sup>  
 MANUF.: 1/500 SF<sup>6</sup>  
 OFFICE: 1/250 SF

- NOTES:**
- CUP required for warehouses larger than 400,000 sf.
  - Adjacent to an alley or local street - 10 feet
  - Adjacent to a secondary street - 15 feet
  - Adjacent to residential zone - 30 feet
  - Not adjacent to an alley or street or residential zone - 0 feet
  - Interior side yard - 0 feet
  - Street side and corner - 15 feet
  - Adjacent to residential zone - 30 feet
  - 10% of parking area.
  - End spaces to be 10X18

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed.

Stormwater Management Design: ASSUMED UNDERGROUND SYSTEM

Boundary Source: BROKER PLAN



scheme: 05

Conceptual Site Plan

Kirby St  
 Hemet, California 92545

**WARE MALCOMB**

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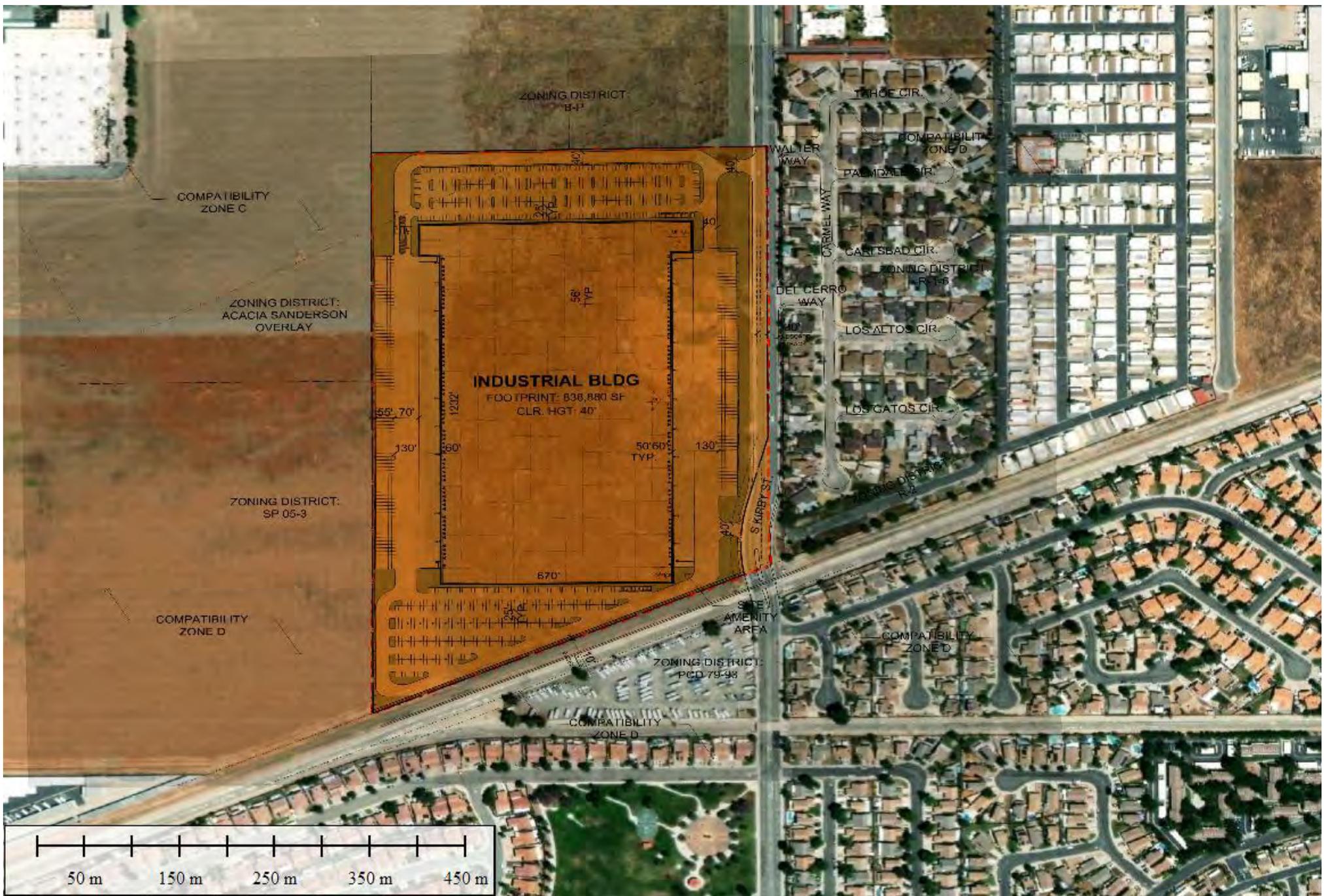
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**Figure 4**  
Habitat Map  
APN 456-030-020  
City of Hemet, Riverside County, California

- Legend**
-  Project Site Boundary
  -  Ruderal Habitat (43.56 Ac.)





**Figure 5**  
 Impact Map  
 APN 456-030-020  
 City of Hemet, Riverside County, California

- Legend**
- Project Site Boundary
  - Impacts to Ruderal Habitat (43.56 Ac.)



# **APPENDIX A**

## Observed Species List

### Plant List

Scientific Name	Common Name
<i>Amsinckia intermedia</i>	Common fiddleneck
<i>Bromus madritensis</i>	Compact brome
<i>Cedrus deodara</i>	Deodar cedar
<i>Erodium cicutarium</i>	Redstem filaree
<i>Hirschfeldia incana</i>	Shortpod mustard
<i>Salsola tragus</i>	Tumbleweed
<i>Sisymbrium irio</i>	London rocket

### Wildlife List

Scientific Name	Common Name
<i>Corvus brachyrhynchos</i>	American crow
<i>Corvus corax</i>	Common raven
<i>Falco sparverius</i>	American kestrel
<i>Otospermophilus beecheyi</i>	California ground squirrel
<i>Sayornis saya</i>	Say's phoebe
<i>Sturnus vulgaris</i>	European starling

## **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 exists on the project 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 exists on the project 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 exists on the project 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 exists on the project 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 exists on the project 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 exists on the project 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
Atriplex parishii	Parish's brittle scale	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 exists on the project site. <b>This species is not present.</b>
Atriplex serenana var. davidsonii	Davidson's salt scale	Dicots	None	None	1B.2	Coastal bluff scrub   Coastal scrub	Coastal bluff scrub, coastal scrub.	Alkaline soil. 0-480 m.	No suitable habitat exists on the project 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 exists on the project 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
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 exists on the project site. <b>This species is not present.</b>
Calochortus palmeri var. munzii	San Jacinto mariposa-lily	Monocots	None	None	1B.2	Chaparral   Lower montane coniferous forest   Meadow & seep	Lower montane coniferous forest, chaparral, meadows and seeps.	Seen in open Jeffrey pine forest as well as in chaparral. 940-1815 m.	No suitable habitat exists on the project 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 exists on the project 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 exists on the project site. <b>This species is not present.</b>
Canyon Live Oak Ravine Forest	Canyon Live Oak Ravine Forest	Riparian	None	None		Riparian forest			Not present.
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 exists on the project 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
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 exists on the project 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 exists on the project 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 exists on the project site. <b>This species is not present.</b>
<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower	Dicots	None	None	1B.2	Coastal scrub   Mojavean desert scrub   Pinon & juniper woodlands	Mojavean desert scrub, pinyon and juniper woodland, coastal scrub (alluvial fans).	Sandy or gravelly places. 365-1830 m.	No suitable habitat exists on the project site. <b>This species is not present.</b>
<i>Cryptantha wigginsii</i>	Wiggins' cryptantha	Dicots	None	None	1B.2	Coastal scrub	Coastal scrub.	Often on clay soils. 45-110 m.	No suitable habitat exists on the project site. <b>This species is not present.</b>
<i>Deinandra mohavensis</i>	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 exists on the project 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
Delphinium hesperium ssp. cuyamaca	Cuyamaca larkspur	Dicots	None	Rare	1B.2	Lower montane coniferous forest   Meadow & seep   Vernal pool   Wetland	Lower montane coniferous forest, meadows and seeps, vernal pools.	Usually found in low, moist areas within meadows. 1215-1855 m.	No suitable habitat exists on the project site. <b>This species is not present.</b>
Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	Riparian	None	None		Riparian woodland			Not present.
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 exists on the project 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 exists on the project 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>Galium angustifolium</i> ssp. <i>jacinticum</i>	San Jacinto Mountains bedstraw	Dicots	None	None	1B.3	Lower montane coniferous forest	Lower montane coniferous forest.	Open mixed forest. 1190-2440 m.	No suitable habitat exists on the project site. <b>This species is not present.</b>
<i>Galium californicum</i> ssp. <i>primum</i>	Alvin Meadow bedstraw	Dicots	None	None	1B.2	Chaparral   Lower montane coniferous forest	Chaparral, lower montane coniferous forest.	Grows in shade of trees and shrubs at the lower edge of the pine belt, in pine forest-chaparral ecotone. Granitic, sandy soils. 1460-1830 m.	No suitable habitat exists on the project site. <b>This species is not present.</b>
<i>Githopsis diffusa</i> ssp. <i>filicaulis</i>	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 exists on the project 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>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 exists on the project site. <b>This species is not present.</b>
<i>Imperata brevifolia</i>	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 exists on the project 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 exists on the project 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
Lepidium virginicum var. robinsonii	Robinson's pepper-grass	Dicots	None	None	4.3	Chaparral   Coastal scrub	Chaparral, coastal scrub.	Dry soils, shrubland. 4-1435 m.	No suitable habitat exists on the project site. <b>This species is not present.</b>
Lilium parryi	lemon lily	Monocots	None	None	1B.2	Lower montane coniferous forest   Meadow & seep   Riparian forest   Upper montane coniferous forest   Wetland	Lower montane coniferous forest, meadows and seeps, riparian forest, upper montane coniferous forest.	Wet, mountainous terrain; generally in forested areas; on shady edges of streams, in open boggy meadows and seeps. 625-2930 m.	No suitable habitat exists on the project 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	Broadleaved upland forest, chaparral, lower montane coniferous forest, cismontane woodland, valley and foothill grassland.	Dry slopes and ridges in openings. 700-1800 m.	No suitable habitat exists on the project site. <b>This species is not present.</b>
<i>Monardella nana</i> ssp. <i>leptosiphon</i>	San Felipe monardella	Dicots	None	None	1B.2	Chaparral   Lower montane coniferous forest	Chaparral, lower montane coniferous forest.	Sometimes in openings and fuelbreaks or in the understory of forest or chaparral. 850-2425 m.	No suitable habitat exists on the project site. <b>This species is not present.</b>
<i>Myosurus minimus</i> ssp. <i>apus</i>	little mousetail	Dicots	None	None	3.1	Valley & foothill grassland   Vernal pool   Wetland	Vernal pools, valley and foothill grassland.	Alkaline soils. 20-640 m.	No suitable habitat exists on the project 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>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 exists on the project site. <b>This species is not present.</b>
<i>Navarretia fossalis</i>	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 exists on the project site. <b>This species is not present.</b>
<i>Orcuttia californica</i>	California Orcutt grass	Monocots	Endangered	Endangered	1B.1	Vernal pool   Wetland	Vernal pools.	10-660 m.	No suitable habitat exists on the project 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
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 exists on the project site. <b>This species is not present.</b>
Petalonyx linearis	narrow-leaf sandpaper-plant	Dicots	None	None	2B.3	Mojavean desert scrub   Sonoran desert scrub	Mojavean desert scrub, Sonoran desert scrub.	Sandy or rocky canyons. -30-1090 m.	No suitable habitat exists on the project 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 exists on the project site. <b>This species is not present.</b>
Saltugilia latimeri	Latimer's woodland-gilia	Dicots	None	None	1B.2	Chaparral   Limestone   Mojavean desert scrub   Pinon & juniper woodlands	Chaparral, Mojavean desert scrub, pinyon and juniper woodland.	Rocky or sandy substrate; sometimes in washes, sometimes limestone. 120-2200 m.	No suitable habitat exists on the project 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
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 exists on the project 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 exists on the project 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			Not present.
Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	Riparian	None	None		Riparian forest			Not present.
Southern Mixed Riparian Forest	Southern Mixed Riparian Forest	Riparian	None	None		Riparian forest			Not present.

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			Not present.
Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	Riparian	None	None		Riparian woodland			Not present.
Southern Willow Scrub	Southern Willow Scrub	Riparian	None	None		Riparian scrub			Not present.
Streptanthus bernardinus	Laguna Mountains jewelflower	Dicots	None	None	4.3	Chaparral   Lower montane coniferous forest   Upper montane coniferous forest	Chaparral, lower montane coniferous forest.	Clay or decomposed granite soils; sometimes in disturbed areas such as streamsides or roadcuts. 1440-2500 m.	No suitable habitat exists on the project 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>Symphotrichum defoliatum</i>	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 exists on the project site. <b>This species is not present.</b>
<i>Texosporium sancti-jacobi</i>	woven-spored lichen	Lichens	None	None	3	Chaparral	Chaparral.	Open sites; in California with <i>Adenostoma fasciculatum</i> , <i>Eriogonum</i> , <i>Selaginella</i> . Found on soil, small mammal pellets, dead twigs, and on <i>Selaginella</i> . 60-870 m.	No suitable habitat exists on the project 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
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 exists on the project 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 exists on the project 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 exists on the project 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 exists on the project 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 exists on the project site. <b>This species is not present.</b>
<i>Anaxyrus californicus</i>	arroyo toad	Amphibians	Endangered	None	CDFW_SSC-Species of Special Concern   IUCN_EN-Endangered	Desert wash   Riparian scrub   Riparian woodland   South coast flowing waters   South coast standing waters	Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc.	Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range.	No suitable habitat exists on the project 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
Anniella stebbinsi	Southern California legless lizard	Reptiles	None	None	CDFW_SSC-Species of Special Concern   USFS_S-Sensitive	Broadleaved upland forest   Chaparral   Coastal dunes   Coastal scrub	Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County.	Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.	No suitable habitat exists on the project 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
Antrozous pallidus	pallid bat	Mammals	None	None	BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive   WBWG_H-High Priority	Chaparral   Coastal scrub   Desert wash   Great Basin grassland   Great Basin scrub   Mojavean desert scrub   Riparian woodland   Sonoran desert scrub   Upper montane coniferous forest   Valley & foothill grassland	Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting.	Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	No suitable habitat exists on the project 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   USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest   Cismontane woodland   Coastal prairie   Great Basin grassland   Great Basin scrub   Lower montane coniferous forest   Pinon & juniper woodlands   Upper montane coniferous forest   Valley & foothill grassland	Rolling foothills, mountain areas, sage-juniper flats, and desert.	Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	No suitable habitat exists on the project 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- 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.	Suitable habitat exists on the project site. <b>This species has potential to be present.</b>
Artemisiospiza belli belli	Bell's sage sparrow	Birds	None	None	CDFW_WL- Watch List   USFWS_BCC- Birds of Conservation Concern	Chaparral   Coastal scrub	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range.	Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart.	No suitable habitat exists on the project 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
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 exists on the project 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 exists on the project 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
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.	Suitable habitat exists on the project site. Focused, protocol surveys were conducted. <b>This species is not present.</b>
Bombus crotchii	Crotch bumble bee	Insects	None	None			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 exists on the project 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
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 exists on the project site. <b>This species is not present.</b>
Buteo regalis	ferruginous hawk	Birds	None	None	CDFW_WL-Watch List   IUCN_LC-Least Concern   USFWS_BCC-Birds of Conservation Concern	Great Basin grassland   Great Basin scrub   Pinon & juniper woodlands   Valley & foothill grassland	Open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats.	Eats mostly lagomorphs, ground squirrels, and mice. Population trends may follow lagomorph population cycles.	No suitable habitat exists on the project 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-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 exists on the project 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 exists on the project 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 exists on the project 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
Chaetodipus fallax pallidus	pallid San Diego pocket mouse	Mammals	None	None	CDFW_SSC- Species of Special Concern	Desert wash   Pinon & juniper woodlands   Sonoran desert scrub	Desert border areas in eastern San Diego County in desert wash, desert scrub, desert succulent scrub, pinyon- juniper, etc.	Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	No suitable habitat exists on the project 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
Charina umbratica	southern rubber boa	Reptiles	None	Threatened	USFS_S-Sensitive	Meadow & seep   Riparian forest   Riparian woodland   Upper montane coniferous forest   Wetland	Known from the San Bernardino and San Jacinto mtns; found in a variety of montane forest habitats. Snakes resembling C. umbratica reported from Mt. Pinos and Tehachapi mtns group with C. bottae based on mtDNA. Further research needed.	Found in vicinity of streams or wet meadows; requires loose, moist soil for burrowing; seeks cover in rotting logs, rock outcrops, and under surface litter.	No suitable habitat exists on the project 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
Circus hudsonius	northern harrier	Birds	None	None	CDFW_SSC-Species of Special Concern   IUCN_LC-Least 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 exists on the project 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   USFWS_BCC-Birds of Conservation Concern	Riparian forest	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems.	Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	No suitable habitat exists on the project 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 exists on the project 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
Corynorhinus townsendii	Townsend's big-eared bat	Mammals	None	None	BLM_S-Sensitive   CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive   WBWG_H-High Priority	Broadleaved upland forest   Chaparral   Chenopod scrub   Great Basin grassland   Great Basin scrub   Joshua tree woodland   Lower montane coniferous forest   Meadow & seep   Mojavean desert scrub   Riparian forest   Riparian woodland   Sonoran desert scrub   Sonoran thorn woodland   Upper montane coniferous	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 exists on the project 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
Crotalus ruber	red-diamond rattlesnake	Reptiles	None	None	CDFW_SSC-Species of Special Concern   USFS_S-Sensitive	Chaparral   Mojavean desert scrub   Sonoran desert scrub	Chaparral, woodland, grassland, 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 exists on the project site. <b>This species is not present.</b>
Cypseloides niger	black swift	Birds	None	None	CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   NABCI_YWL-Yellow Watch List   USFWS_BCC-Birds of Conservation Concern		Coastal belt of Santa Cruz and Monterey counties; central and southern Sierra Nevada; San Bernardino and San Jacinto mountains.	Breeds in small colonies on cliffs behind or adjacent to waterfalls in deep canyons and sea-bluffs above the surf; forages widely.	No suitable habitat exists on the project 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
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 exists on the project site. <b>This species is not present.</b>
Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	Mammals	None	None		Chaparral   Coastal scrub	Known only from San Diego and Riverside counties. Associated with riversidean sage scrub, chaparral, and non-native grassland.	Need sandy loam substrates for digging of burrows.	No suitable habitat exists on the project 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- 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 exists on the project site. <b>This species is not present.</b>
Dipodomys stephensi	Stephens' kangaroo rat	Mammals	Endangered	Threatened	IUCN_EN- Endangered	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 exists on the project 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 exists on the project 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
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/S an Joaquin flowing waters   Sacramento/S an 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 exists on the project 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 exists on the project 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 exists on the project 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
Gonidea angulata	western ridged mussel	Mollusks	None	None		Aquatic	Primarily creeks and rivers and less often lakes. Originally in most of state, now extirpated from Central and Southern California.		No suitable habitat exists on the project 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   USFWS_BCC-Birds of Conservation Concern	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 exists on the project 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
Lanius ludovicianus	loggerhead shrike	Birds	None	None	CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest   Desert wash   Joshua tree woodland   Mojavean desert scrub   Pinon & juniper woodlands   Riparian woodland   Sonoran desert scrub	Broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub and washes.	Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting.	No suitable habitat exists on the project 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   WBWG_H-High Priority	Desert wash	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats.	Roosts in trees, particularly palms. Forages over water and among trees.	No suitable habitat exists on the project 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
Lepus californicus bennettii	San Diego black-tailed jackrabbit	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Intermediate canopy stages of shrub habitats and open shrub / herbaceous and tree / herbaceous edges.	Coastal sage scrub habitats in Southern California.	No suitable habitat exists on the project 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 exists on the project 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 exists on the project 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
Palaeoxenus dohrni	Dohrn's elegant eucnemid beetle	Insects	None	None					No suitable habitat exists on the project 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 exists on the project 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 exists on the project 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 exists on the project 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 exists on the project 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>Poliptila californica californica</i>	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 exists on the project site. <b>This species is not present.</b>
<i>Progne subis</i>	purple martin	Birds	None	None	CDFW_SSC-Species of Special Concern   IUCN_LC-Least Concern	Broadleaved upland forest   Lower montane coniferous forest	Inhabits woodlands, low elevation coniferous forest of Douglas-fir, ponderosa pine, and Monterey pine.	Nests in old woodpecker cavities mostly; also in human-made structures. Nest often located in tall, isolated tree/snag.	No suitable habitat exists on the project 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
Rana muscosa	southern mountain yellow-legged frog	Amphibians	Endangered	Endangered	CDFW_WL-Watch List   IUCN_EN-Endangered   USFS_S-Sensitive	Aquatic	Disjunct populations known from southern Sierras (northern DPS) and San Gabriel, San Bernardino, and San Jacinto Mtns (southern DPS). Found at 1,000 to 12,000 ft in lakes and creeks that stem from springs and snowmelt. May overwinter under frozen lakes.	Often encountered within a few feet of water. Tadpoles may require 2 - 4 yrs to complete their aquatic development.	No suitable habitat exists on the project 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 exists on the project 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
Setophaga petechia	yellow warbler	Birds	None	None	CDFW_SSC-Species of Special Concern   USFWS_BCC-Birds of Conservation Concern	Riparian forest   Riparian scrub   Riparian woodland	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada.	Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	No suitable habitat exists on the project site. <b>This species is not present.</b>
Socalchemmis icenoglei	Icenogle's socialchemmis spider	Arachnids	None	None		Coastal scrub	Known only from the type locality in the vicinity of Winchester, Riverside County.		No suitable habitat exists on the project site. <b>This species is not present.</b>
Spea hammondi	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 exists on the project 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 exists on the project 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
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	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 exists on the project 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 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 exists on the project 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 exists on the project 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
Vireo bellii pusillus	least Bell's vireo	Birds	Endangered	Endangered	IUCN_NT-Near Threatened   NABCI_YWL-Yellow Watch List	Riparian forest   Riparian scrub   Riparian woodland	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft.	Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	No suitable habitat exists on the project 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 exists on the project site. <b>This species is not present.</b>

## **APPENDIX C**



View of the site from the southeast corner facing north.



View of the southeast corner of the site.



View of the southern portion of the site from the southeast corner facing west.



View of railroad tracks along southern border of the site.



View from southwest corner of the site facing north.



View of large depression with many burrows near western border of site.

## **APPENDIX D**

Soil Map—Western Riverside Area, California  
(Project Area)



Map Scale: 1:3,470 if printed on A portrait (8.5" x 11") sheet.



## 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: May 15, 2018—Jun 26, 2018

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

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
SeA	San Emigdio fine sandy loam, 0 to 2 percent slopes, occasional frost	10.3	23.4%
SfA	San Emigdio fine sandy loam, deep, 0 to 2 percent slopes	26.6	60.6%
SgA	San Emigdio loam, 0 to 2 percent slopes	7.0	16.0%
<b>Totals for Area of Interest</b>		<b>44.0</b>	<b>100.0%</b>

# **APPENDIX E**



# Memorandum

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Date: April 28, 2022  
To: EPD Solutions, Inc.  
From: Juan J. Hernandez, Principal Biologist  
Subject: Focused Burrowing Owl Survey Report for APN 456-030-020

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This memorandum provides the methods and results of a Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) burrowing owl (*Athene cunicularia*) (BUOW) survey for Assessor's Parcel Number (APN) 456-030-020 located within the City of Hemet, Riverside County, California.

## Project Location

The approximate 43.56-acre project site is located southwest of West Acacia Avenue and South Kirby Street in the City of Hemet, Riverside County, California. Specifically, the project site is located within the San Jacinto Viejo land grant of the *Hemet* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude for the project site are 33°44'22.4703" North and 116°59'58.9072" West (Figures 1 and 2).

## Project Description

The project proposed the development of an industrial warehouse building with associated parking lots and landscaping (Figure 3). The development is expected to impact the entire 43.56-acre project site. No offsite impacts are expected to occur.

## Project Contact Information

Owner/Applicant: Lake View 888, LLC  
2168 Adair Street  
San Marino, CA 91108

Principal Investigator: Juan J. Hernandez  
Hernandez Environmental Services  
17037 Lakeshore Drive  
Lake Elsinore, CA 92530  
(909) 772-9009

## Field Survey Methods

HES implemented the three steps as described in the *Burrowing Owl Survey Instructions for the Western Riverside County Multiple Species Habitat Conservation Plan Area*. The General Biological Assessment and Western Riverside MSHCP Consistency Analysis prepared for the project determined that focused surveys for BUOW would be required due to the presence of suitable habitat documented during the February 18, 2022, habitat assessment. In accordance with the *Burrowing Owl Survey Instructions for the Western Riverside County Multiple Species Habitat Conservation Plan Area*, focused burrow and focused BUOW surveys (Part A and Part B, respectively) were conducted on four separate days during the 2022 nesting season: March 3, March 16, April 5, and April 12. Survey times, weather, and sunrise/sunset information is described in Table 1 below.

**Table 1. Survey Information**

Survey	Date	Survey Start Time	Survey End Time	Sunrise/Sunset	Weather
1	March 3, 2022	O630 hours	O812 hours	O612 hours 1746 hours	48-57 degrees Fahrenheit, 10% cloud cover, winds 0-2 miles per hour from the southeast.
2	March 16, 2022	O736 hours	O855 hours	O655 hours 1856 hours	46-54 degrees Fahrenheit, 0% cloud cover, winds 0-2 miles per hour from the southeast.
3	April 5, 2022	O730 hours	O820 hours	O628 hours 1911 hours	52-56 degrees Fahrenheit, 0% cloud cover, no winds.
4	April 12, 2022	O740 hours	O830 hours	O619 hours 1916 hours	49-51 degrees Fahrenheit, 0% cloud cover, winds 0-5 mile per hour from the northwest.

Surveys were conducted from one hour before sunrise to two hours after sunrise or two hours before sunset to one hour after sunset and during weather that was conducive to observing owls outside their burrows and detecting BUOW sign. The surveys were not conducted during rain, high winds (> 20 miles per hour), dense fog, or temperatures above 90 degrees Fahrenheit. Surveys involved walking through potentially suitable habitat within the survey area. The pedestrian survey transects were spaced approximately 30 to 50 feet apart to allow 100 percent visual coverage of the ground surface. Special attention was paid to those habitat areas that appeared to provide suitable habitat for BUOW. Where permission to access the buffer areas could not be obtained, the biologist visually inspects adjacent habitats with binoculars (Figure 4).

All encountered burrows or structure entrances were checked for the presence of BUOW, molted feathers, cast pellets, prey remains, eggshell fragments, tracks, or excrement. Natural or man-made structures and debris piles that could support BUOW were also surveyed. The locations of all suitable BUOW habitat, potential burrows, BUOW sign, and any BUOW observed was recorded and mapped with a handheld Global Positioning System (GPS) unit.

All wildlife species encountered visually or audibly during the field survey were identified and recorded in field notes. Binoculars were used to aid in the identification of observed wildlife. Representative site photographs were taken and are included within Appendix A.

## Results

The project site supports one habitat community: ruderal habitat. Soil at the project site is classified as San Emigdio fine sandy loam (SeA), 0 to 2 percent slopes, occasional frost; San Emigdio fine sandy loam (SfA), deep, 0 to 2 percent slopes; and San Emigdio loam (SgA), 0 to 2 percent slopes. The project site has elevation ranges of 1,450 feet above mean sea-level (AMSL) to 1,515 feet AMSL. The California ground squirrel was observed frequently and was very active on site. A 2004 historical sighting of a burrowing owl existed west of the project site. This burrow has been threatened by agricultural, commercial, and urban development the last several decades. Very few burrows were found during the focused surveys, and all were determined to be inactive. The site is surrounded by residential development to the east and south, commercial development to the north, and vacant land to the west. Dominant characteristic species on site include common fiddleneck (*Amsinckia intermedia*) and redstem filaree (*Erodium cicutarium*).

The habitat assessment conducted on February 18, 2022, found that the project site does provide suitable burrows/nesting opportunities for BUOW. Evidence of ground squirrels and ground squirrel activity was observed, and approximately 189 suitable burrows were identified and recorded in the study area (Figure 5). 159 burrows occur within the project site and 30 burrow occur within the 500-foot buffer. BUOW signs such as molted feathers, cast pellets, and excrement found on rock outcroppings were not found. All burrows are considered inactive and not in use by burrowing owl. No BUOW were observed on the project site.

Based on the absence of BUOW and BUOW evidence (i.e., scat, pellets, and feathers) within the study area, it can be concluded that the study area is not in use by BUOW.

## Recommendations

It is recommended that the following measures be implemented to ensure that potential impacts to BUOW are less than significant:

- Based on the presence of suitable habitat documented during the habitat assessment and focused burrowing owl surveys, a 30-day preconstruction survey will be conducted immediately prior to the initiation of construction to ensure the protection of this species and compliance with the conservation goals as outlined in the MSHCP.

- According to the MSHCP, if BUOW are detected on the project site then the action(s) taken will be as follows:
  - If the site is within the Criteria Area, then at least 90 percent of the area with long-term conservation value will be included in the MSHCP Conservation Area.
  - Otherwise:
    1. If the site contains or is part of an area supporting less than 35 acres of suitable habitat or the survey reveals that the site and the surrounding area supports fewer than 3 pairs of BUOWs, then the on-site BUOWs will be passively or actively relocated following accepted protocols.
    2. If the site (including adjacent areas) supports three or more pairs of BUOWs, supports greater than 35 acres of suitable habitat and is non-contiguous with MSHCP Conservation Area lands, at least 90 percent of the area with long-term conservation value and BUOW pairs will be conserved onsite.
  - If the project site is found to support BUOWs, a Determination of Biologically Equivalent or Superior Preservation (DBESP) Report and Burrowing Owl Relocation Plan will need to be prepared in coordination with the RCA and resource agencies.
    - The DBESP and Burrowing Owl Relocation Plan will include the following:
      - Location that BUOWs are being removed from;
      - Number of BUOWs being relocated, including number of pairs and number of singles;
      - Description of methods that will be used to ensure that onsite burrows are vacant prior to their collapse;
      - Location and landowner contact information for the release site;
      - Description of the release site, including habitat description, presence/absence of ground squirrels, presence/absence of other BUOWs, results of predator survey, results of prey survey, and plans to maintain artificial burrow systems and manage the land for BUOWs long-term.
- If the presence/absence survey finds that BUOW no longer occupy the study area, conduct an MSHCP preconstruction survey within 30 days prior to the start of any ground disturbing activities 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.

## Certification

I hereby certify that the statements furnished above and in the attached exhibits present 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: April 28, 2022



Juan J. Hernandez  
Principal Biologist

## Enclosures:

- Figure 1: Location Map
- Figure 2: Vicinity Map
- Figure 3: Project Plans
- Figure 4: Survey Area Map
- Figure 5: Survey Results Map
- Appendix A: Site Photographs

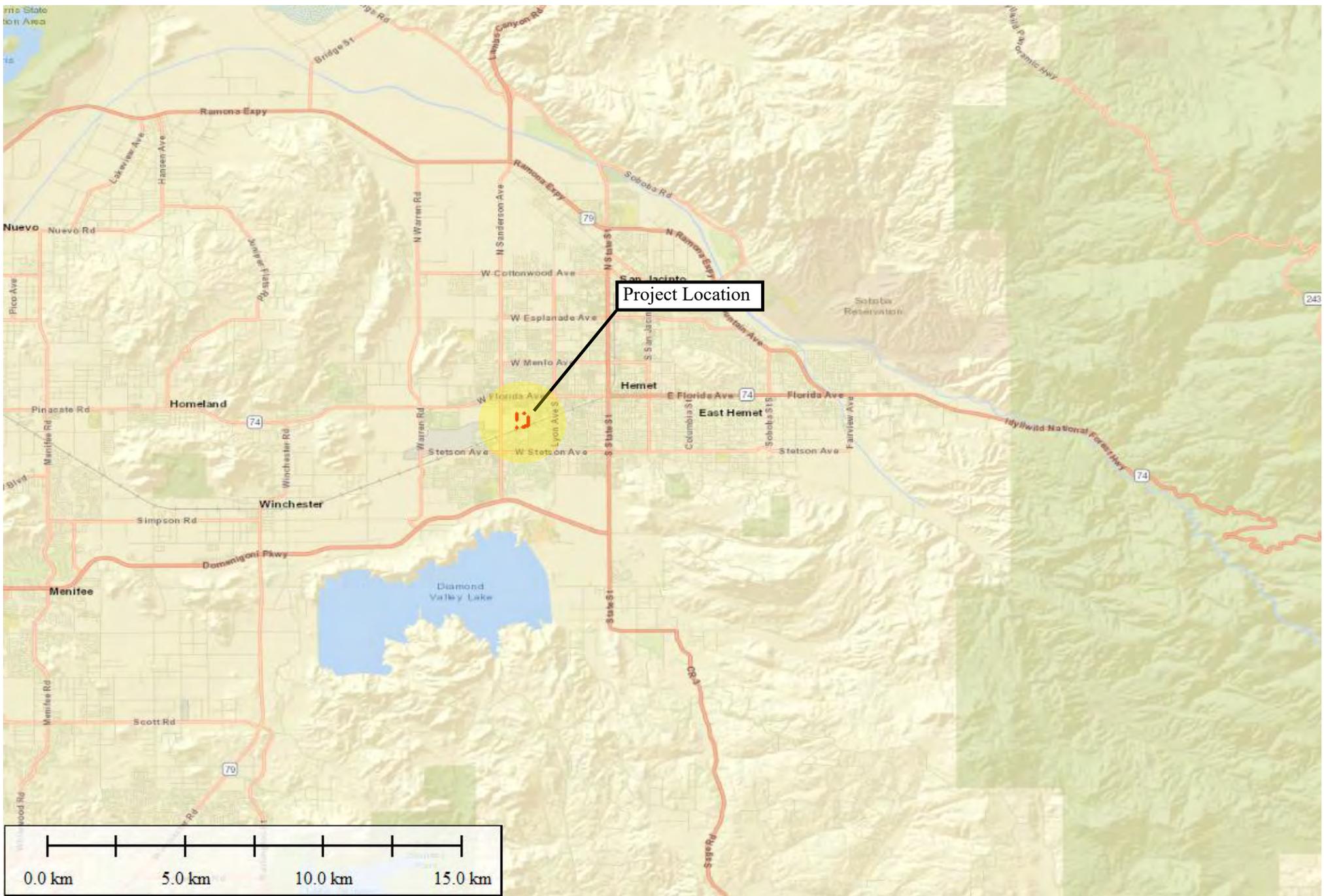
# FIGURES



**Figure 1**  
 Location Map  
 APN 456-030-020  
 City of Hemet, Riverside County, California

**Legend**  
 Project Site Boundary





**Figure 2**  
 Vicinity Map  
 APN 456-030-020  
 City of Hemet, Riverside County, California

**Legend**  
 Project Site Boundary





**PROJECT DATA:**

<b>SITE AREA:</b>		
GROSS:		43.02 AC
<b>BUILDING FOOTPRINT:</b> 1,873,859 SF		
<b>BUILDING USE:</b> 838,880 SF		
WAREHOUSE		823,280 SF
OFFICE	@ 2%	15,600 SF
<b>COVERAGE:</b>		
GROSS:		45%
<b>PARKING REQUIRED:</b>		
WAREHOUSE	1/1000 SF	823 STALLS
OFFICE	1/250 SF	62 STALLS
<b>TOTAL</b>		<b>886 STALLS</b>
<b>PARKING PROVIDED:</b>		
AUTO:		901 STALLS
	@ 1.07/1000 SF	18 STALLS
<b>REQ. ACCESSIBLE</b>		<b>158 STALLS</b>
<b>TRAILER:</b>		
<b>TRUCK DOCKS:</b>		
DOCK-HIGH DOORS		119
KNOCK-OUTS OR RATED		5
GRADE-LEVEL DOORS		4
<b>LANDSCAPE</b>		@ 10% 187,772 SF

**DEVELOPMENT STANDARDS:**

**ZONING:** B-P

MAX. F.A.R.: 0.60  
 MAX. COVERAGE: 65%  
 MAX. BLDG. HT.: 55 FT

**BUILDING SETBACKS:**

FRONT: 20 FT  
 SIDE: 0 FT<sup>3</sup>  
 REAR: 0 FT<sup>2</sup>

**LANDSCAPE SETBACKS:**

FRONT: 20 FT  
 SIDE: 0 FT<sup>3</sup>  
 REAR: 0 FT<sup>2</sup>

**LANDSCAPE REQ.:** 10%<sup>4</sup>

**OFF-STREET PARKING:**

STANDARD: 9X18<sup>5</sup>  
 DRIVE AISLE: 25 FT  
 OVERHANG: 2 FT  
 TREE WELL: 5 FT

**REQ. PARKING RATIO BY USE:**

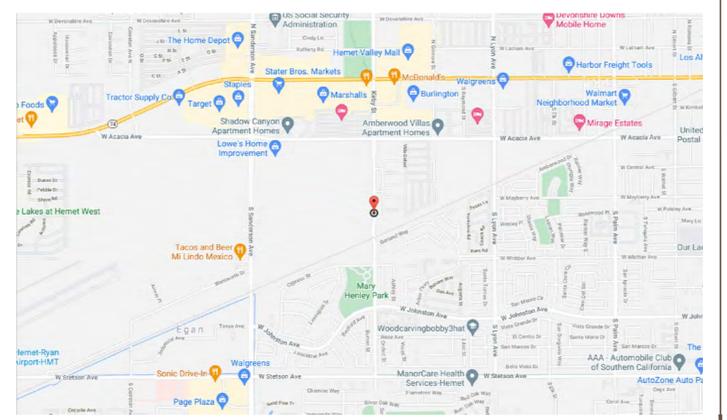
WAREHOUSE: 1/1000 SF<sup>1</sup>  
 MANUF.: 1/500 SF<sup>6</sup>  
 OFFICE: 1/250 SF

- NOTES:**
- CUP required for warehouses larger than 400,000 sf.
  - Adjacent to an alley or local street - 10 feet
  - Adjacent to a secondary street - 15 feet
  - Adjacent to residential zone - 30 feet
  - Not adjacent to an alley or street or residential zone - 0 feet
  - Interior side yard - 0 feet
  - Street side and corner - 15 feet
  - Adjacent to residential zone - 30 feet
  - 10% of parking area.
  - End spaces to be 10X18

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed.

Stormwater Management Design: ASSUMED UNDERGROUND SYSTEM

Boundary Source: BROKER PLAN



scheme: 05

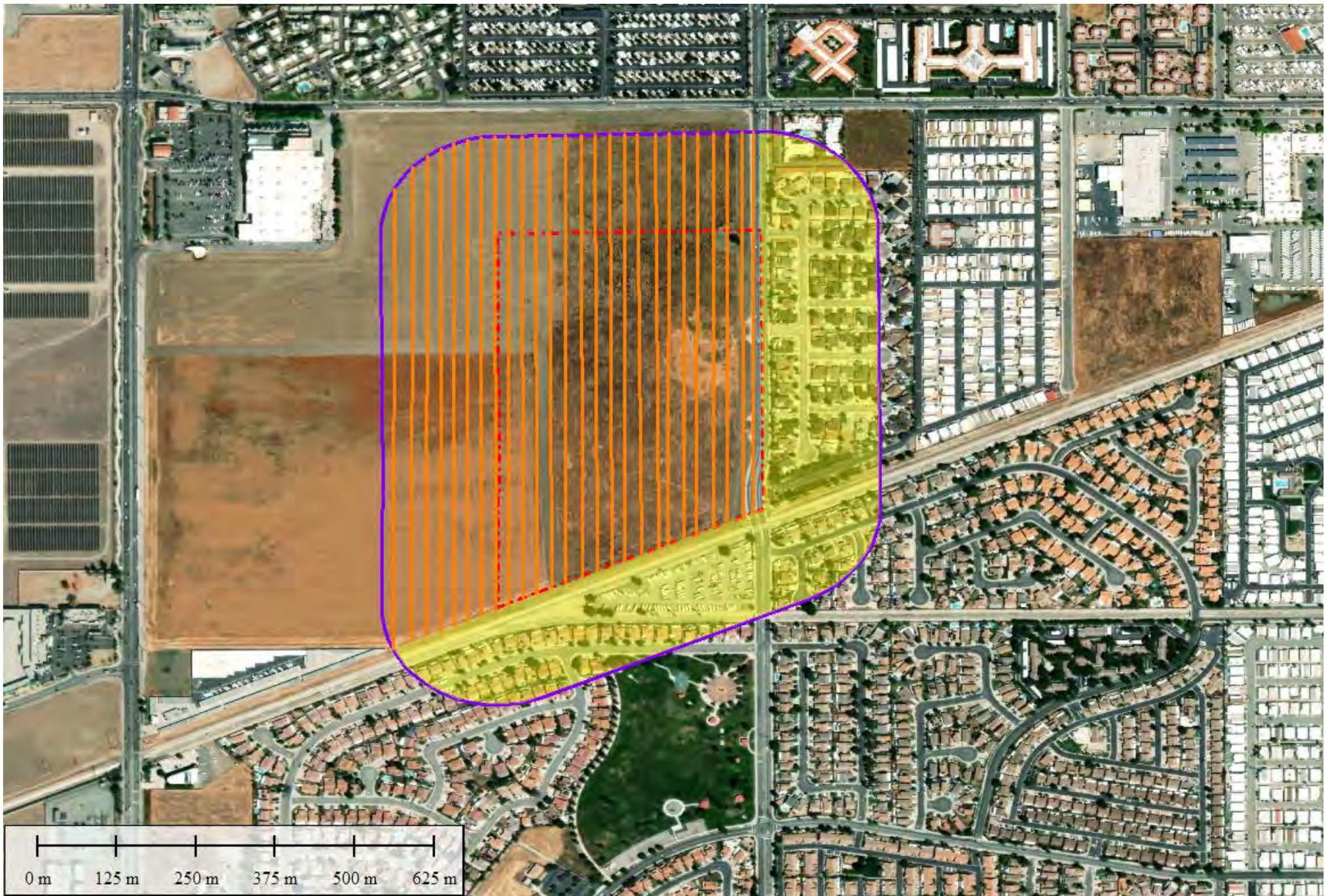
Conceptual Site Plan

Kirby St  
 Hemet, California 92545

**WARE MALCOMB**

IRV21-0146-00  
 02.09.2022

SHEET  
 1



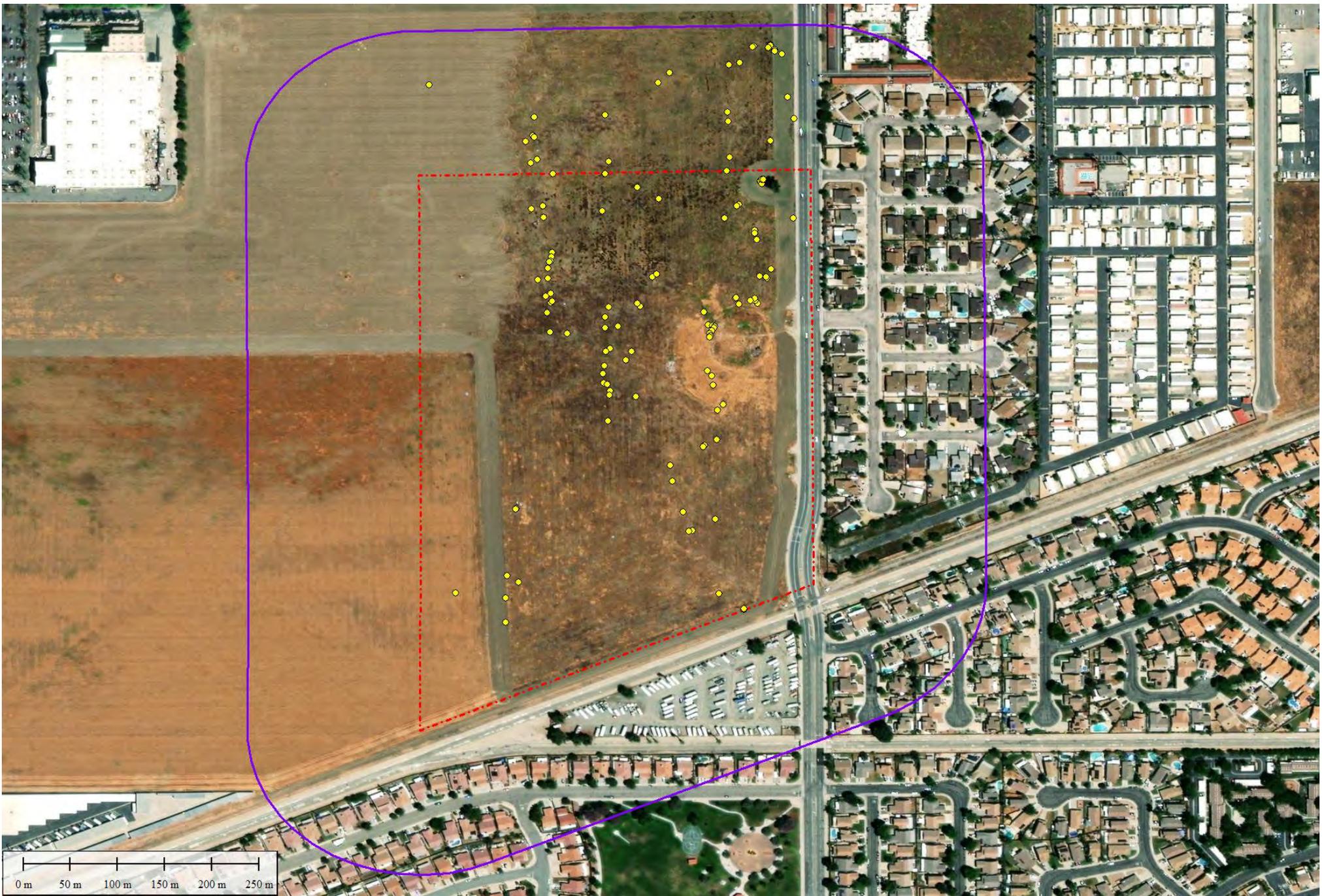
**Figure 4**  
 BUOW Survey Area Map  
 APN 456-030-020  
 City of Hemet, Riverside County, California

**Legend**

- Project Site Boundary
- 500 Foot Buffer
- Transect
- Area Viewed with Binoculars

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Hernandez  
 Environmental  
 Services



**Figure 5**  
 BUOW Survey Results Map  
 APN 456-030-020  
 City of Hemet, Riverside County, California

**Legend**

-  Project Site Boundary
-  500 Foot Buffer

-  Potential Burrow



# **APPENDIX A**



Burrow found on site in ruderal habitat.



Burrows found on site near large depression near western border.



Burrows found on site near large depression near western border.