



Hernandez

Environmental

Services

**GENERAL BIOLOGICAL ASSESSMENT
FOR
ASSESSOR'S PARCEL NUMBERS
314-170-009 & -010**

**CITY OF PERRIS
RIVERSIDE COUNTY, CALIFORNIA**

Prepared for:

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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 Assessor's Parcel Numbers (APNs) 314-170-009 & -010 located in the City of Perris, Riverside County, California.

1.1 Project Site Location

The approximate 4.06-acre project site is located south of West Markham Street, west of North Webster Avenue, east of Patterson Avenue, and north of the Ramona expressway in the City of Perris, Riverside County, California. The site consists of Riverside County APNs 314-170-009 & -010. Specifically, the project site is located within Section 1, Township 4 South, Range 4 West of the *Perris* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude coordinates for the project site are 33°51'04.9324" North and 117°14'50.0280" West (Figures 1 and 2).

1.2 Project Description

The project applicant proposes the demolition of all existing structures and pavement, clearing of all existing vegetation and the construction and operation of a speculative tilt-up industrial building. The project also includes the installation of related parking lots, access driveways, retaining walls, and landscaping. The project will impact the entire 4.06 acres.

2.0 Methodology

2.1 Literature Review

HES conducted a literature review and reviewed aerial photographs and topographic maps of the project site and surrounding areas. A five-mile radius was used to identify sensitive species with the California Natural Diversity Data Base (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 site. 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 site is located within the Western Riverside County MSHCP boundaries. The City of Perris, acting as the lead agency for the proposed project, is a permittee under the Western Riverside County MSHCP and, therefore, is afforded coverage under the state or federal ESAs for impacts to listed species covered by the plan. The City is required to document consistency with the Western Riverside County MSHCP in conjunction with any discretionary approvals for the project. As such, this report was prepared to provide all necessary information required to determine project consistency with the Western Riverside County MSHCP.

The project site is located within Mead Valley Area Plan of the Western Riverside County MSHCP. 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, criteria area species, amphibian species, mammalian species, or burrowing owl. Additionally, the project site does not contain any habitat that would be considered riparian/riverine areas as defined in Section 6.1.2 of the Western Riverside MSHCP. No vernal pools were observed within the project boundaries.

2.2 Field Survey

On June 1, 2022, HES biologists conducted a field survey of the 4.06-acre project site. The ambient temperature at 8:10 A.M was 66 degrees Fahrenheit, 0% cloud cover, with 0-3 miles per hour winds 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 site 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 is comprised entirely of disturbed habitat with areas containing mobile homes and sparse vegetation. The site is flat with an elevation range of 1,479 feet above mean sea-level (AMSL) to 1,489 feet AMSL. The project site is adjacent to West Markham Avenue to the north, vacant land to the west, a parking lot to the south, and developed land to the east.

3.2 Soils

Two soil classifications have historically been mapped on the project site by the USDA Web Soil Survey (Appendix D). The soil on site is classified as Pachappa fine sandy loam (PaA), 0 to 2 percent slopes; and Ramona sandy loam (RaA), 0 to 2 percent slopes, MLRA 19.

3.3 Plant and Habitat Communities

The 4.06-acre project site is comprised entirely of disturbed habitat with areas containing mobile homes and sparse vegetation. When vegetation was present, it included prickly Russian thistle (*Salsola tragus*), stinknet (*Oncosiphon piluliferum*), shortpod mustard (*Hirschfeldia incana*), nettle leaf goosefoot (*Chenopodium murale*), prickly lettuce (*Lactuca serriola*), wall barley (*Hordeum murinum*), redstem filaree (*Erodium cicutarium*), and Bermuda grass (*Cynodon dactylon*).

3.4 Wildlife

General wildlife species documented on the project site or within the vicinity of the site include the common raven (*Corvus corax*) and house sparrow (*Passer domesticus*).

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 site was evaluated for its function as a wildlife corridor that species use to move between wildlife habitat zones. The site consists of flat, disturbed land surrounded by development and busy roads. 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 37 sensitive species of plants and 56 sensitive species of animals have the potential to occur on or within the vicinity of the project location. These include those species listed or candidates for listing by the USFWS, CDFW, and CNPS. All habitats with the potential to be used by sensitive species were evaluated during the site visit and a determination has been made for the presence or probability of presence within this report. This section will address those species listed as Candidate, Rare, Threatened, or Endangered under the state and federal endangered species laws or directed to be evaluated under the Western Riverside County MSHCP. Sensitive species which have a potential to occur will also be discussed in this section. All sensitive species within a 5-mile radius of project site were reviewed and a complete list of those species are discussed within Appendix B.

4.1.1 Threatened and Endangered Plants

A total of sixteen plant species listed as state and/or federally Threatened, Endangered, Rare, or Candidate Species; listed as 1B.1 on the CNPS Rare Plant Inventory; or have a potential to exist on the project site will be discussed in this section. Below are descriptions of these species:

Chaparral sand-verbena

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

Munz's onion

Munz's onion (*Allium munzii*) is a federally Endangered Species, a 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. It is commonly found in heavy clay soils. 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 a federally Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes wetlands in chaparral, coastal sage scrub, and valley and foothill grassland. It is commonly found in sandy loam or clay soil and sometimes in alkaline soils. This species persists where disturbance has been superficial. It is also sometimes found on margins or near vernal pools. No habitat for this species is present on the project site. **This species is not present.**

Marsh sandwort

Marsh sandwort (*Arenaria paludicola*) is a federally and state Endangered Species and ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in freshwater marsh, wetland, and marsh and swamp habitats. No habitat for this species is present on the project site. **This species is not present.**

Jaeger's milk-vetch

Jaeger's milk-vetch (*Astragalus pachypus var. jaegeri*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is often found in dry ridges and valleys, and open sandy slopes. Its habitat includes sandy areas in coastal scrub, chaparral, valley and foothill grassland, and cismontane woodland. No habitat for this species is present on the project site. **This species is not present.**

San Jacinto Valley crownscale

San Jacinto Valley crownscale (*Atriplex coronata var. notatior*) is 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. 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. No habitat for this species is present on the project site. **This species is not present.**

Nevin's barberry

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

Thread-leaved brodiaea

Thread-leaved brodiaea (*Brodiaea filifolia*) is a federally Threatened Species, a state Endangered Species, and is ranked 1B.1 in the CNPS Rare Plant Inventory. This species is usually associated with annual grassland and vernal pools and is often surrounded by shrubland habitats. Its habitats include chaparral,

cismontane woodlands, coastal sage scrub, valley and foothill grasslands, vernal pools, and wetland. No habitat for this species is present on the project site. **This species is not present.**

Smooth tarplant

Smooth tarplant (*Centromadia pungens ssp. laevis*) is ranked 1B.1 in the CNPS Rare Plant Inventory. The species habitat includes alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, and valley and foothill grasslands. No habitat for this species is present on the project site. **This species is not present.**

Salt marsh bird's-beak

Salt marsh bird's-beak (*Chloropyron maritimum ssp. maritimum*) is a federally and state Endangered Species. This species is limited to the higher zones of salt marsh habitat at elevations of less than ten meters. Its habitat includes coastal dunes, marsh and swamp, salt marsh, and wetland. 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. No habitat for this species is present on the project site. **This species is not present.**

Slender-horned spineflower

Slender-horned spineflower (*Dodecahema leptoceras*) is a federally and state Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. This species is typically found near flood deposited terraces and washes. Its habitat includes chaparral, cismontane woodland, and coastal scrub (alluvial fan sage scrub). No habitat for this species is present on the project site. **This species is not present.**

Coulter's goldfields

Coulter's goldfields (*Lasthenia glabrata ssp. coulteri*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes alkali playas, marsh, swamp, salt marsh, vernal pool, and wetland. It is usually found on alkaline soils in playas, sinks, and grasslands. No habitat for this species is present on the project site. **This species is not present.**

Spreading navarretia

Spreading navarretia (*Navarretia fossalis*) is 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. No habitat for this species is present on the project site. **This species is not present.**

California Orcutt grass

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

4.1.2 Threatened and Endangered Wildlife

A total of fourteen animal species listed as state and/or federally Threatened, Endangered, Rare, or Candidate Species 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 Threatened Species and a CDFW Species of Special Concern. Its habitat includes freshwater marsh, marsh and swamp, swamp, and wetland. This species is largely endemic to California and is most numerous in and around Central Valley. This species requires open accessible water, protected nesting substrate, and foraging area with insect prey within a few kilometers of the colony. There is no habitat for this species on the project site. **This species is not present.**

Burrowing owl

Burrowing owl (*Athene cunicularia*) is a CDFW Species of Special Concern. Its habitat includes coastal prairie, coastal scrub, Great Basin grassland, Great Basin scrub, Mojave Desert scrub, Sonoran Desert scrub, and valley and foothill grassland. This species is typically found in open and dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. It is a subterranean nester and is dependent upon burrowing mammals, most notably the California ground squirrel. There is no habitat for this species on the project site. **This species is not present.**

Vernal pool fairy shrimp

Vernal pool fairy shrimp (*Branchinecta lynchi*) is a federally Threatened Species. This species is found in seasonal pools of water in valley and foothill grasslands. This species typically inhabits small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools. The project site does not contain suitable habitat for this species. **This species is not present.**

Western snowy plover

Western snowy plover (*Charadrius alexandrinus nivosus*) is federally Threatened Species and a CDFW Species of Special Concern. It is found in great basin standing waters, sand shore, and wetland. This species needs sandy, gravelly, or friable soils for nesting. The project site does not contain suitable habitat for this species. **This species is not present.**

Western yellow-billed cuckoo

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

San Bernardino kangaroo rat

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

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

Southwestern willow flycatcher

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

Quino checkerspot butterfly

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

Bald eagle

Bald eagle (*Haliaeetus leucocephalus*) is a state Endangered Species and CDFW Fully Protected Species. This species is found in lower montane coniferous forest and old-growth forest. They nest in large old-growth or tress with open branches, especially ponderosa pine. The project site does not contain suitable habitat for this species. **This species is not present.**

California black rail

California black rail (*Laterallus jamaicensis coturniculus*) is a state Threatened Species and a CDFW Fully Protected Species. It inhabits freshwater marshes, wet meadows, and shallow margins of saltwater marshes bordering larger bays. This species needs water depths of about one inch that do not fluctuate

throughout the year and dense vegetation for nesting habitat. Its habitat includes brackish marsh, freshwater marsh, marsh and swamp, salt marsh, and wetland. The project site does not have suitable habitat for this species. **This species is not present.**

Coastal California gnatcatcher

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

Riverside fairy shrimp

Riverside fairy shrimp (*Streptocephalus woottoni*) is a federally 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. It is endemic to Western Riverside, Orange, and San Diego counties in areas of tectonic swales, or earth slump basins in grassland and coastal sage scrub habitat. 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 federally and state 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 mule fat dominated riparian scrub along permanent or nearly permanent streams. The project site does not contain suitable habitat for this species. **This species is not present.**

4.2 Critical Habitat

The project site is not within or adjacent to any federal critical habitat for endangered species. The closest critical habitats are coastal California gnatcatcher critical habitat located 5.26 miles northwest of the project site within the Sycamore Canyon Wilderness Park and spreading navarretia critical habitat located approximately 5.25 miles southeast of the project site near the San Jacinto River.

4.3 Nesting Birds

Migratory non-game native bird species are protected under the federal Migratory Bird Treaty Act. Additionally, Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds and their active nests. The project site contains trees that can be utilized by nesting birds during the nesting bird season, which is generally February 1 through September 15, although the nesting season may be extended due to weather and drought conditions.

4.4 Jurisdictional Waters

The project site does not contain any streams or drainages or riparian habitat. There are no CDFW, United States Army Corps of Engineers (USACE), or Regional Water Quality Control Board (RWQCB)

jurisdictional waters within the project boundaries. Further, the project site does not contain any wetlands or vernal pools.

5.0 Project Impacts

5.1 Impacts to Existing Habitats

The 4.06-acre project site contains 4.06 acres of disturbed habitat with trailer homes and vehicles on site. Proposed development is expected to impact the entire 4.06 acres consisting of disturbed habitat with developed trailer homes and sparse non-native vegetation (Figure 5).

5.2 Impacts to Sensitive Species

The project site is disturbed/developed with sparse non-native vegetation and surrounding development. Due to the nature of the project site, no sensitive plant or wildlife species have the potential to occur. No impacts to sensitive species are expected.

5.3 Impacts to Nesting Birds

If the project will result in the removal of shrubs or trees during the nesting bird season (generally between February 1 and September 15 although the nesting season may be extended due to weather and drought conditions), 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 occur.

5.5 State and Federal Drainages

The project site does not contain any state or federal jurisdictional drainages; therefore, no impacts would occur from project implementation.

5.6 Impacts to Wildlife Movement Corridors

The project site was evaluated for its function as a wildlife corridor that species would use to move between wildlife habitat zones. Typically, mountain canyons or riparian corridors are used by wildlife as corridors; the project site does not contain these features. The project site consists of flat disturbed land partially surrounded by 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 protected trees or trees along the street may require a tree permit to comply with the City's tree protection policies. The project site contains ornamental trees within the existing developed areas of the site. No protected trees are located on the project site. Further, the project does not include impacts to public protected trees, including street trees. Therefore, development of the project site would not conflict with the City's tree protection policies.

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

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

6.0 Western Riverside County MSHCP Consistency Analysis

6.1 MSHCP Requirements

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

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

The project 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 site is 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, burrowing owl, 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.

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 outside of the nesting season for migratory birds to avoid direct impacts. The nesting season is generally February 1 to September 15, although the nesting season may be extended due to weather and drought conditions.
- If vegetation removal will occur during the migratory bird nesting season (generally February 1 to September 15 although the nesting season may be extended due to weather and drought conditions), it is recommended that pre-construction nesting bird surveys be performed within three days prior to vegetation removal.
- If active nests are found during nesting bird surveys, they shall be flagged, and a 200-foot buffer shall be fenced around the nests.
- A biological monitor shall visit the site once a week during ground disturbing activities to ensure all fencing is in place and no species are impacted.

8.0 Certification

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



Date 06-15-2022 Signed _____

PROJECT MANAGER

Fieldwork Performed By:

Sarah Gulyas

ASSOCIATE BIOLOGIST

Sarah Vasquez

ASSOCIATE BIOLOGIST

Elizabeth Gonzalez

ASSOCIATE BIOLOGIST

9.0 References

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FIGURE 1



Figure 1
 Location Map
 APNs 314-170-009 & -010
 City of Perris, Riverside County, California

Legend
 Project Site Boundary



FIGURE 2

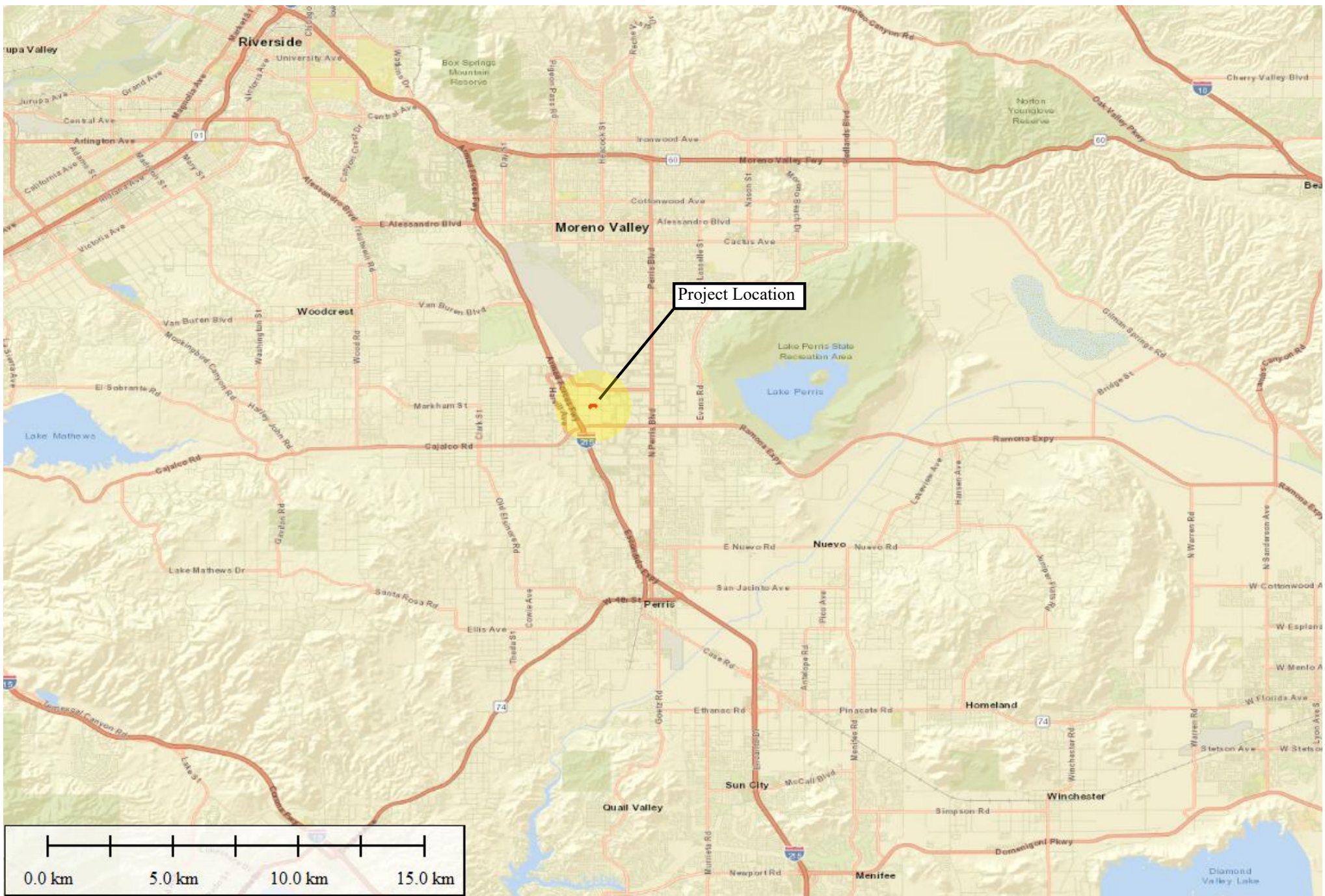


Figure 2
 Vicinity Map
 APNs 314-170-009 & -010
 City of Perris, Riverside County, California

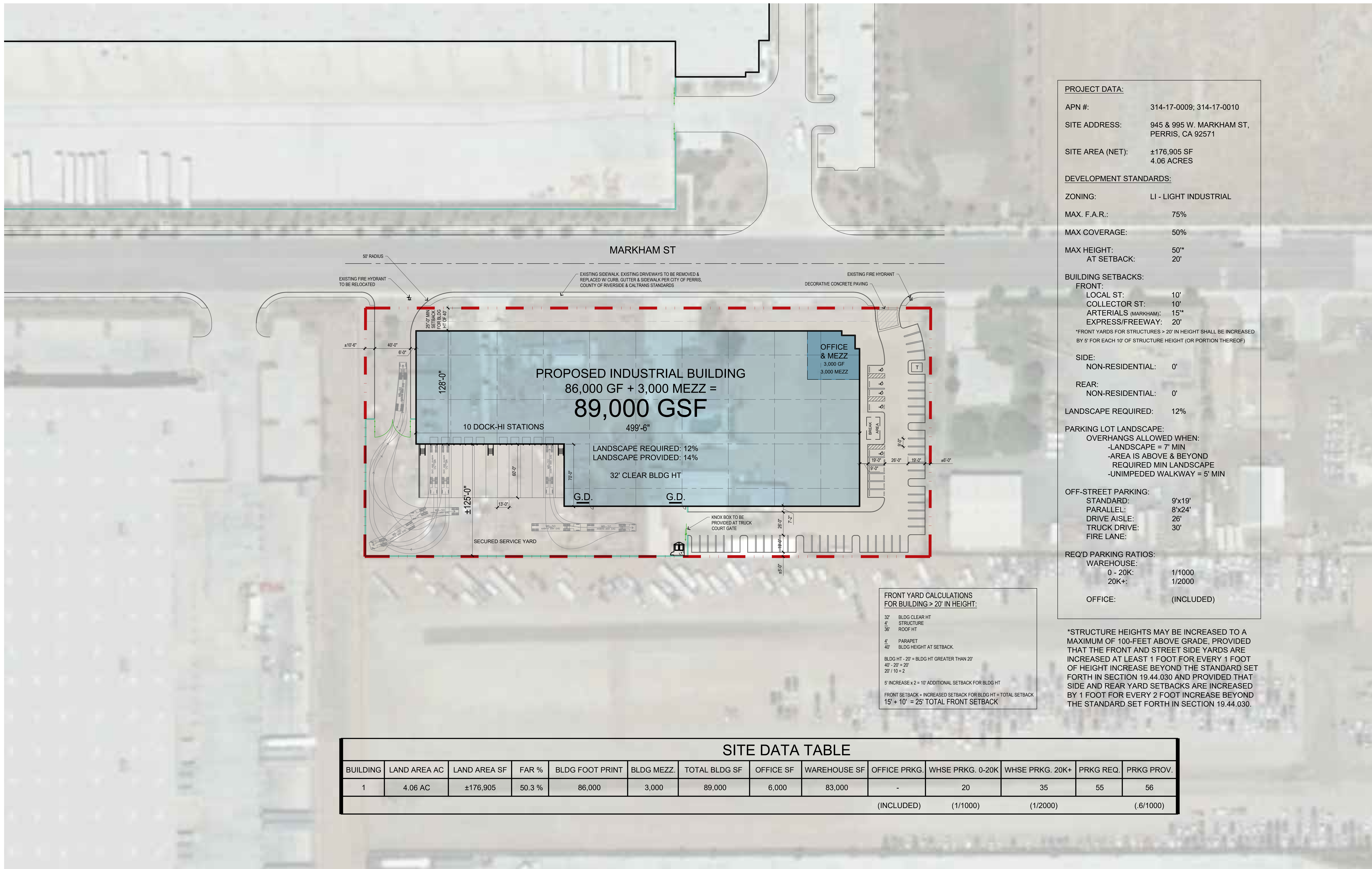
Legend
 Project Site Boundary

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FIGURE 3

drawing file name: p:2022-182 dedeaux - markham - peris - peris\03 design\concept\2022-182 dedeaux - markham - peris sp_2022-05-11.dwg
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PROJECT DATA:	
APN #:	314-17-0009; 314-17-0010
SITE ADDRESS:	945 & 995 W. MARKHAM ST, PERRIS, CA 92571
SITE AREA (NET):	±176,905 SF 4.06 ACRES
DEVELOPMENT STANDARDS:	
ZONING:	LI - LIGHT INDUSTRIAL
MAX. F.A.R.:	75%
MAX COVERAGE:	50%
MAX HEIGHT: AT SETBACK:	50' 20'
BUILDING SETBACKS:	
FRONT:	
LOCAL ST:	10'
COLLECTOR ST:	10'
ARTERIALS (MARKHAM):	15'
EXPRESS/FREEWAY:	20'
*FRONT YARDS FOR STRUCTURES > 20' IN HEIGHT SHALL BE INCREASED BY 5' FOR EACH 10' OF STRUCTURE HEIGHT (OR PORTION THEREOF)	
SIDE:	
NON-RESIDENTIAL:	0'
REAR:	
NON-RESIDENTIAL:	0'
LANDSCAPE REQUIRED:	12%
PARKING LOT LANDSCAPE:	
OVERHANGS ALLOWED WHEN:	
-LANDSCAPE = 7' MIN	
-AREA IS ABOVE & BEYOND	
REQUIRED MIN LANDSCAPE	
-UNIMPEDED WALKWAY = 5' MIN	
OFF-STREET PARKING:	
STANDARD:	9'x19'
PARALLEL:	8'x24'
DRIVE AISLE:	26'
TRUCK DRIVE:	30'
FIRE LANE:	
REQ'D PARKING RATIOS:	
WAREHOUSE:	
0 - 20K:	1/1000
20K+:	1/2000
OFFICE:	(INCLUDED)

FRONT YARD CALCULATIONS FOR BUILDING > 20' IN HEIGHT:

32' BLDG CLEAR HT
 4' STRUCTURE
 36' ROOF HT

4' PARAPET
 40' BLDG HEIGHT AT SETBACK

BLDG HT - 20' = BLDG HT GREATER THAN 20'
 40' - 20' = 20'
 20' / 10 = 2

5' INCREASE x 2 = 10' ADDITIONAL SETBACK FOR BLDG HT

FRONT SETBACK + INCREASED SETBACK FOR BLDG HT = TOTAL SETBACK
 15' + 10' = 25' TOTAL FRONT SETBACK

*STRUCTURE HEIGHTS MAY BE INCREASED TO A MAXIMUM OF 100-FEET ABOVE GRADE, PROVIDED THAT THE FRONT AND STREET SIDE YARDS ARE INCREASED AT LEAST 1 FOOT FOR EVERY 1 FOOT OF HEIGHT INCREASE BEYOND THE STANDARD SET FORTH IN SECTION 19.44.030 AND PROVIDED THAT SIDE AND REAR SETBACKS ARE INCREASED BY 1 FOOT FOR EVERY 2 FOOT INCREASE BEYOND THE STANDARD SET FORTH IN SECTION 19.44.030.

SITE DATA TABLE													
BUILDING	LAND AREA AC	LAND AREA SF	FAR %	BLDG FOOT PRINT	BLDG MEZZ.	TOTAL BLDG SF	OFFICE SF	WAREHOUSE SF	OFFICE PRKG.	WHSE PRKG. 0-20K	WHSE PRKG. 20K+	PRKG REQ.	PRKG PROV.
1	4.06 AC	±176,905	50.3 %	86,000	3,000	89,000	6,000	83,000	-	20	35	55	56
									(INCLUDED)	(1/1000)	(1/2000)	(6/1000)	

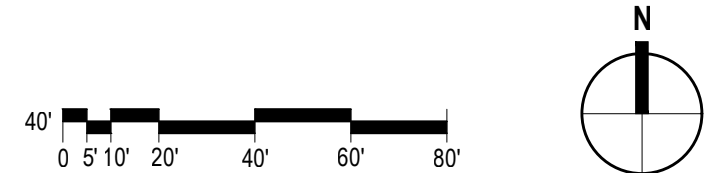


FIGURE 4

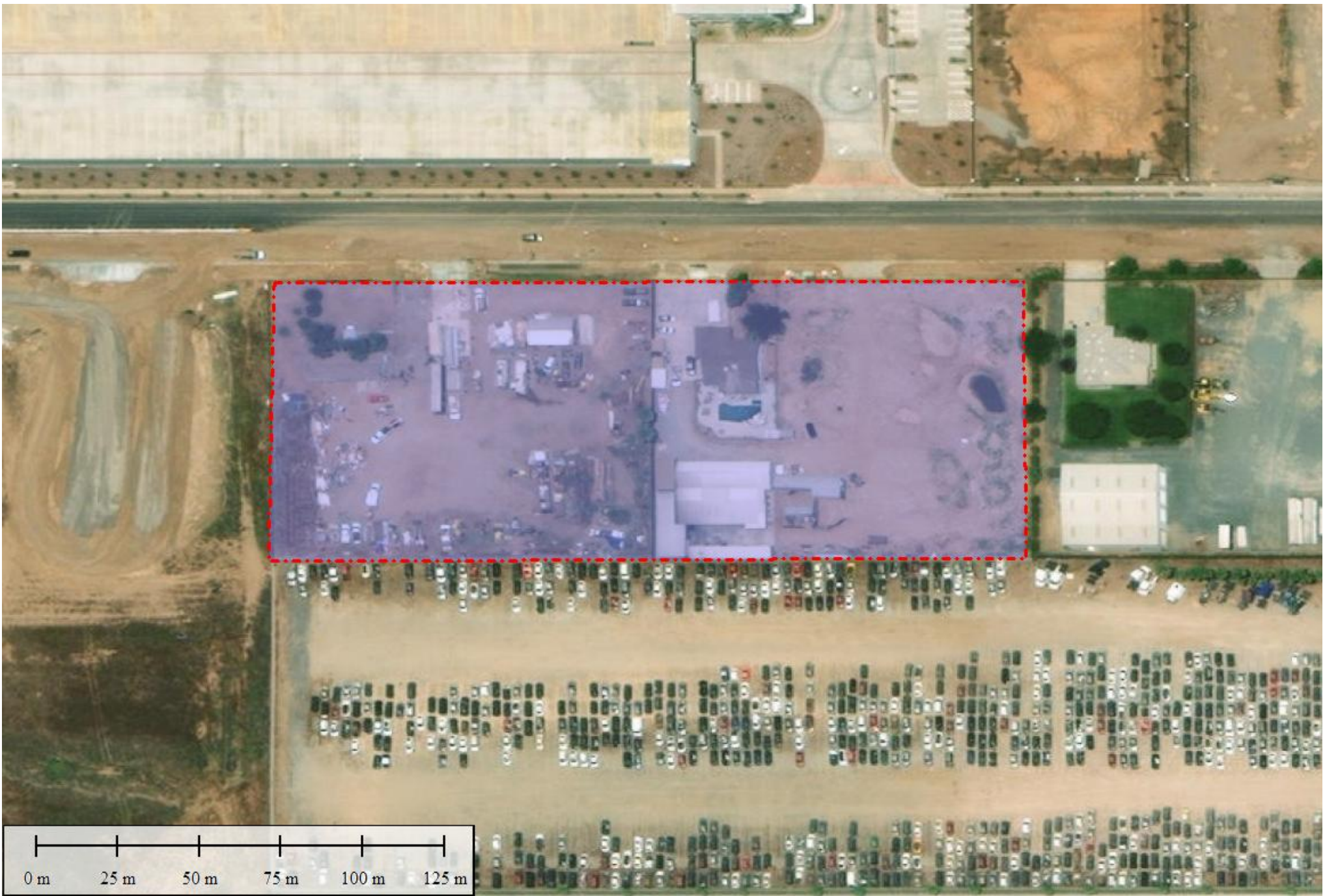




Figure 4
Habitat Map
APNs 314-170-009 & -010
City of Perris, Riverside County, California

Legend

-  Project Site Boundary
-  Disturbed/Developed (4.06 Ac.)

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FIGURE 5



Figure 5
 Impact Map
 APNs 314-170-009 & -010
 City of Perris, Riverside County, California

- Legend**
- Project Site Boundary
 - Impacts to Disturbed/Developed (4.06 Ac.)

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APPENDIX A

Observed Species List

Plant List

Scientific Name	Common Name
<i>Chenopodium murale</i>	Nettle leaf goosefoot
<i>Conyza bonariensis</i>	Hairy fleabane
<i>Cynodon dactylon</i>	Bermuda grass
<i>Erodium cicutarium</i>	Redstem filaree
<i>Fraxinus uhdei</i>	Tropical ash
<i>Gleditsia triacanthos</i>	Honey locust
<i>Hirschfeldia incana</i>	Shortpod mustard
<i>Hordeum murinum</i>	Wall barley
<i>Lactuca serriola</i>	Prickly lettuce
<i>Marrubium vulgare</i>	White horehound
<i>Melia azedarach</i>	Chinaberry
<i>Nicotiana glauca</i>	Tree tobacco
<i>Oncosiphon piluliferum</i>	Stinknet
<i>Pinus</i> sp.	Pine
<i>Punica granatum</i>	Pomegranate
<i>Salsola tragus</i>	Prickly Russian thistle
<i>Sisymbrium irio</i>	London rocket
<i>Stephanomeria pauciflora</i>	Brownplume wirelettuce
<i>Tribulus terrestris</i>	Puncture vine

Wildlife List

Scientific Name

Common Name

Corvus corax

Common raven

Passer domesticus

House sparrow

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 habitat for this species is present on site. This species is not present.
<i>Allium marvinii</i>	Yucaipa onion	Monocots	None	None	1B.2	Chaparral	Chaparral.	In openings on clay soils. 850- 1070 m.	No habitat for this species is present on site. This species is not present.
<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 habitat for this species is present on site. This species is not present.

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 habitat for this species is present on site. This species is not present.
Arenaria paludicola	marsh sandwort	Dicots	Endangered	Endangered	1B.1	Freshwater marsh Marsh & swamp Wetland	Marshes and swamps.	Growing up through dense mats of Typha, Juncus, Scirpus, etc. in freshwater marsh. Sandy soil. 3-170 m.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Astragalus pachypus</i> var. <i>jaegeri</i>	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 habitat for this species is present on site. This species is not present.
<i>Atriplex coronata</i> var. <i>notatior</i>	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 habitat for this species is present on site. This species is not present.
<i>Atriplex parishii</i>	Parish's brittlescale	Dicots	None	None	1B.1	Alkali playa Chenopod scrub Meadow & seep Vernal pool Wetland	Vernal pools, chenopod scrub, playas.	Usually on drying alkali flats with fine soils. 4-1420 m.	No habitat for this species is present on site. This species is not present.
<i>Atriplex serenana</i> var. <i>davidsonii</i>	Davidson's saltscale	Dicots	None	None	1B.2	Coastal bluff scrub Coastal scrub	Coastal bluff scrub, coastal scrub.	Alkaline soil. 0-480 m.	No habitat for this species is present on site. This species is not present.

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

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 habitat for this species is present on site. This species is 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 habitat for this species is present on site. This species is not present.
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 habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's-beak	Dicots	Endangered	Endangered	1B.2	Coastal dunes Marsh & swamp Salt marsh Wetland	Marshes and swamps, coastal dunes.	Limited to the higher zones of salt marsh habitat. 0-10 m.	No habitat for this species is present on site. This species is not present.
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower	Dicots	None	None	1B.1	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland	Coastal scrub, chaparral, cismontane woodland, valley and foothill grassland.	Dry slopes and flats; sometimes at interface of 2 vegetation types, such as chaparral and oak woodland. Dry, sandy soils. 90-1220 m.	No habitat for this species is present on site. This species is not present.
<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 habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Dodecahema leptoceras	slender-horned spineflower	Dicots	Endangered	Endangered	1B.1	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub).	Flood deposited terraces and washes; associates include Encelia, Dalea, Lepidospartum, etc. Sandy soils. 200-765 m.	No habitat for this species is present on site. This species is not present.
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 habitat for this species is present on site. This species is not present.
Harpagonella palmeri	Palmer's grapplinghook	Dicots	None	None	4.2	Chaparral Coastal scrub Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	Clay soils; open grassy areas within shrubland. 20-955 m.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<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 habitat for this species is present on site. This species is not present.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	Dicots	None	None	4.3	Chaparral Coastal scrub	Chaparral, coastal scrub.	Dry soils, shrubland. 4-1435 m.	No habitat for this species is present on site. This species is not present.
<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 habitat for this species is present on site. This species is not present.
<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 habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Navarretia fossalis	spreading navarretia	Dicots	Threatened	None	1B.1	Alkali playa Chenopod scrub Marsh & swamp Vernal pool Wetland	Vernal pools, chenopod scrub, marshes and swamps, playas.	San Diego hardpan and San Diego claypan vernal pools; in swales and vernal pools, often surrounded by other habitat types. 15-850 m.	No habitat for this species is present on site. This species is not present.
Orcuttia californica	California Orcutt grass	Monocots	Endangered	Endangered	1B.1	Vernal pool Wetland	Vernal pools.	10-660 m.	No habitat for this species is present on site. This species is not present.
Senecio aphanactis	chaparral ragwort	Dicots	None	None	2B.2	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub.	Drying alkaline flats. 20-1020 m.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Sidalcea neomexicana	salt spring checkerbloom	Dicots	None	None	2B.2	Alkali playa Chaparral Coastal scrub Lower montane coniferous forest Mojavean desert scrub Wetland	Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub.	Alkali springs and marshes. 3-2380 m.	No habitat for this species is present on site. This species is not present.
Southern Coast Live Oak Riparian Forest	Southern Coast Live Oak Riparian Forest	Riparian	None	None		Riparian forest			No habitat for this species is present on site. This species is not present.
Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	Riparian	None	None		Riparian forest			No habitat for this species is present on site. This species is not present.
Southern Riparian Scrub	Southern Riparian Scrub	Riparian	None	None		Riparian scrub			No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	Riparian	None	None		Riparian woodland			No habitat for this species is present on site. This species is not present.
Symphotrichum defoliatum	San Bernardino aster	Dicots	None	None	1B.2	Cismontane woodland Coastal scrub Lower montane coniferous forest Marsh & swamp Meadow & seep Valley & foothill grassland	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland.	Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 3-2045 m.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Texosporium sancti-jacobi	woven-spored lichen	Lichens	None	None	3	Chaparral	Chaparral.	Open sites; in California with Adenostoma fasciculatum, Eriogonum, Selaginella. Found on soil, small mammal pellets, dead twigs, and on Selaginella. 60-870 m.	No habitat for this species is present on site. This species is not present.
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 habitat for this species is present on site. This species is not present.
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 habitat for this species is present on site. This species is not present.

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 habitat for this species is present on site. This species is not present.
Agelaius tricolor	tricolored blackbird	Birds	None	Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	Freshwater marsh Marsh & swamp Swamp Wetland	Highly colonial species, most numerous in Central Valley 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 habitat for this species is present on site. This species is not present.

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 habitat for this species is present on site. This species is not present.
<i>Anniella stebbinsi</i>	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 habitat for this species is present on site. This species is not present.

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

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.	No habitat for this species is present on site. This species is not present.
Artemisiospiza belli belli	Bell's sage sparrow	Birds	None	None	CDFW_WL- Watch List	Chaparral Coastal scrub	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range.	Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart.	No habitat for this species is present on site. This species is not present.

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

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

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Bombus crotchii	Crotch bumble bee	Insects	None	None			Coastal California east to the Sierra-Cascade crest and south into Mexico.	Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	No habitat for this species is present on site. This species is not present.
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 habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Buteo regalis	ferruginous hawk	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern	Great Basin grassland Great Basin scrub Pinon & juniper woodlands Valley & foothill grassland	Open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats.	Eats mostly lagomorphs, ground squirrels, and mice. Population trends may follow lagomorph population cycles.	No habitat for this species is present on site. This species is not present.
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	Birds	None	None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	Coastal scrub	Southern California coastal sage scrub.	Wrens require tall opuntia cactus for nesting and roosting.	No habitat for this species is present on site. This species is not present.
Ceratochrysis longimala	Desert cuckoo wasp	Insects	None	None					No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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 habitat for this species is present on site. This species is not present.
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 habitat for this species is present on site. This species is not present.
Charadrius nivosus nivosus	western snowy plover	Birds	Threatened	None	CDFW_SSC- Species of Special Concern NABCI_RWL- Red Watch List	Great Basin standing waters Sand shore Wetland	Sandy beaches, salt pond levees and shores of large alkali lakes.	Needs sandy, gravelly or friable soils for nesting.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Cicindela senilis frosti</i>	senile tiger beetle	Insects	None	None		Mud shore/flats Wetland	Inhabits marine shoreline, from Central California coast south to salt marshes of San Diego. Also found at Lake Elsinore.	Inhabits dark-colored mud in the lower zone and dried salt pans in the upper zone.	No habitat for this species is present on site. This species is not present.
<i>Circus hudsonius</i>	northern harrier	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Coastal scrub Great Basin grassland Marsh & swamp Riparian scrub Valley & foothill grassland Wetland	Coastal salt and freshwater marsh. Nest and forage in grasslands, from salt grass in desert sink to mountain cienagas.	Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Birds	Threatened	Endangered	BLM_S-Sensitive NABCI_RWL-Red Watch List USFS_S-Sensitive	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 habitat for this species is present on site. This species is not present.
Coleonyx variegatus abbotti	San Diego banded gecko	Reptiles	None	None	CDFW_SSC-Species of Special Concern	Chaparral Coastal scrub	Coastal and cismontane Southern California.	Found in granite or rocky outcrops in coastal scrub and chaparral habitats.	No habitat for this species is present on site. This species is not present.
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 habitat for this species is present on site. This species is not present.

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 habitat for this species is present on site. This species is not present.
Dipodomys merriami parvus	San Bernardino kangaroo rat	Mammals	Endangered	Candidate Endangered	CDFW_SSC-Species of Special Concern	Coastal scrub	Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains.	Needs early to intermediate seral stages.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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 habitat for this species is present on site. This species is not present.
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 habitat for this species is present on site. This species is not present.
Empidonax traillii extimus	southwestern willow flycatcher	Birds	Endangered	Endangered	NABCI_RWL-Red Watch List	Riparian woodland	Riparian woodlands in Southern California.		No habitat for this species is present on site. This species is not present.

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/San Joaquin flowing waters Sacramento/San Joaquin standing waters South coast flowing waters South coast standing waters Wetland	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation.	Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	No habitat for this species is present on site. This species is not present.

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 habitat for this species is present on site. This species is not present.
<i>Eumops perotis californicus</i>	western mastiff bat	Mammals	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern WBWG_H-High Priority	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland	Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc.	Roosts in crevices in cliff faces, high buildings, trees and tunnels.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Euphydryas editha quino	quino checkerspot butterfly	Insects	Endangered	None		Chaparral Coastal scrub	Sunny openings within chaparral and coastal sage shrublands in parts of Riverside and San Diego counties.	Hills and mesas near the coast. Need high densities of food plants <i>Plantago erecta</i> , <i>P. insularis</i> , and <i>Orthocarpus purpureus</i> .	No habitat for this species is present on site. This species is not present.
Haliaeetus leucocephalus	bald eagle	Birds	Delisted	Endangered	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern USFS_S-Sensitive	Lower montane coniferous forest Oldgrowth	Ocean shore, lake margins, and rivers for both nesting and wintering. Most nests within 1 mile of water.	Nests in large, old-growth, or dominant live tree with open branches, especially <i>ponderosa</i> pine. Roosts communally in winter.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Icteria virens</i>	yellow-breasted chat	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Riparian forest Riparian scrub Riparian woodland	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses.	Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground.	No habitat for this species is present on site. This species is not present.
<i>Lanius ludovicianus</i>	loggerhead shrike	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least 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 habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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 habitat for this species is present on site. This species is not present.
Laterallus jamaicensis coturniculus	California black rail	Birds	None	Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List	Brackish marsh Freshwater marsh Marsh & swamp Salt marsh Wetland	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays.	Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	No habitat for this species is present on site. This species is not present.
Lepus californicus bennettii	San Diego black-tailed jackrabbit	Mammals	None	None		Coastal scrub	Intermediate canopy stages of shrub habitats and open shrub / herbaceous and tree / herbaceous edges.	Coastal sage scrub habitats in Southern California.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Neolarra alba	white cuckoo bee	Insects	None	None			Known only from localities in Southern California.	Cleptoparasitic in the nests of perdita bees.	No habitat for this species is present on site. This species is not present.
Neotoma lepida intermedia	San Diego desert woodrat	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Coastal scrub of Southern California from San Diego County to San Luis Obispo County.	Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	No habitat for this species is present on site. This species is not present.
Nyctinomops femorosaccus	pocketed free-tailed bat	Mammals	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_M-Medium Priority	Joshua tree woodland Pinon & juniper woodlands Riparian scrub Sonoran desert scrub	Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc.	Rocky areas with high cliffs.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Onychomys torridus ramona	southern grasshopper mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Chenopod scrub	Desert areas, especially scrub habitats with friable soils for digging. Prefers low to moderate shrub cover.	Feeds almost exclusively on arthropods, especially scorpions and orthopteran insects.	No habitat for this species is present on site. This species is not present.
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 habitat for this species is present on site. This species is not present.

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 habitat for this species is present on site. This species is not present.
Plegadis chihi	white-faced ibis	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern	Marsh & swamp Wetland	Shallow freshwater marsh.	Dense tule thickets for nesting, interspersed with areas of shallow water for foraging.	No habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Polioptila californica californica</i>	coastal California gnatcatcher	Birds	Threatened	None	CDFW_SSC-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 habitat for this species is present on site. This species is not present.
<i>Salvadora hexalepis virgultea</i>	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 habitat for this species is present on site. This species is not present.
<i>Setophaga petechia</i>	yellow warbler	Birds	None	None	CDFW_SSC-Species of Special 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 habitat for this species is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Socalchemmis icenoglei	icenogle's socalchemmis spider	Arachnids	None	None		Coastal scrub	Known only from the type locality in the vicinity of Winchester, Riverside County.		No habitat for this species is present on site. This species is not present.
Spea hammondii	western spadefoot	Amphibians	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	Cismontane woodland Coastal scrub Valley & foothill grassland Vernal pool Wetland	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands.	Vernal pools are essential for breeding and egg-laying.	No habitat for this species is present on site. This species is not present.
Spinus lawrencei	Lawrence's goldfinch	Birds	None	None	IUCN_LC-Least Concern NABCI_YWL-Yellow Watch List USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest Chaparral Pinon & juniper woodlands Riparian woodland	Nests in open oak or other arid woodland and chaparral, near water. Nearby herbaceous habitats used for feeding.	Closely associated with oaks.	No habitat for this species is present on site. This species is not present.

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 habitat for this species is present on site. This species is not present.

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 habitat for this species is present on site. This species is not present.

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 habitat for this species is present on site. This species is not present.
Xanthocephalus xanthocephalus	yellow-headed blackbird	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Marsh & swamp Wetland	Nests in freshwater emergent wetlands with dense vegetation and deep water. Often along borders of lakes or ponds.	Nests only where large insects such as Odonata are abundant, nesting timed with maximum emergence of aquatic insects.	No habitat for this species is present on site. This species is not present.

APPENDIX C



View of vehicles and trailer homes within disturbed habitat.



View of disturbed areas with little vegetation.



View of disturbed areas with no vegetation present.



View of residence and several trees within the project area.



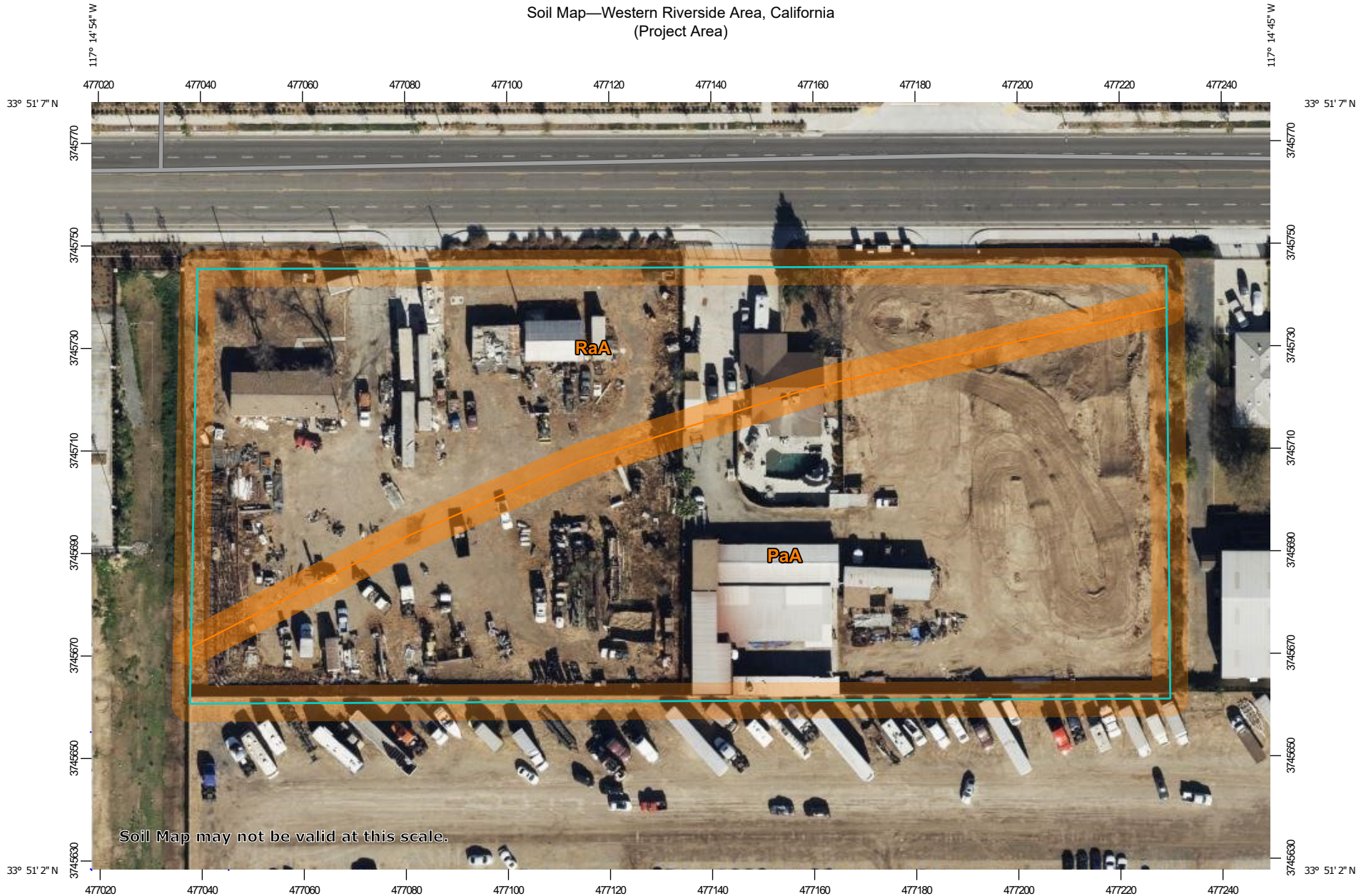
View of sparse vegetation within the disturbed areas.



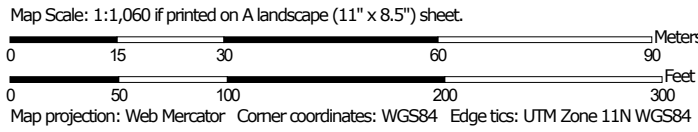
View of disturbed project site with developed areas.

APPENDIX D





































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



Soil Map may not be valid at this scale.



MAP LEGEND

	Area of Interest (AOI)		Spoil Area
	Area of Interest (AOI)		Stony Spot
	Soils		Very Stony Spot
	Soil Map Unit Polygons		Wet Spot
	Soil Map Unit Lines		Other
	Soil Map Unit Points		Special Line Features
Special Point Features			
	Blowout	Water Features	
	Borrow Pit		Streams and Canals
	Clay Spot	Transportation	
	Closed Depression		Rails
	Gravel Pit		Interstate Highways
	Gravelly Spot		US Routes
	Landfill		Major Roads
	Lava Flow		Local Roads
	Marsh or swamp	Background	
	Mine or Quarry		Aerial Photography
	Miscellaneous Water		
	Perennial Water		
	Rock Outcrop		
	Saline Spot		
	Sandy Spot		
	Severely Eroded Spot		
	Sinkhole		
	Slide or Slip		
	Sodic Spot		

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: Nov 23, 2020—Feb 6, 2021

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
PaA	Pachappa fine sandy loam, 0 to 2 percent slopes	2.4	58.9%
RaA	Ramona sandy loam, 0 to 2 percent slopes, MLRA 19	1.6	41.1%
Totals for Area of Interest		4.0	100.0%