

Appendix G

# **Biological Resources Tables**



**SPECIAL-STATUS PLANT SPECIES WITH POTENTIAL TO OCCUR IN THE VICINITY OF THE UNION CITY STATION DISTRICT MIXED-USE DEVELOPMENT PROJECT STUDY AREA**

Common Name <i>Scientific Name</i>	Legal Status <sup>a</sup>		Geographic Distribution	Habitat Requirements	Blooming Period	Likelihood of Occurrence <sup>b</sup> in the Study Area (project element) <sup>c</sup>
	Fed/Cal/CNPS					
San Mateo thorn-mint <i>Acanthomintha duttonii</i>	E/E/1B.1		Central Coast, San Francisco Bay area: two occurrences in San Mateo County	Annual grassland and open areas in chaparral and coastal scrub, on serpentinite vertisol clay soil, below 900'	Apr-Jun	None; no suitable habitat
Kings Mountain manzanita <i>Arctostaphylos regismontana</i>	-/-/1B.2		Western San Francisco Bay region, northern Santa Cruz Mountains: Santa Cruz and San Mateo Counties	Broadleaved upland forest, chaparral, North Coast coniferous forest, on granitic or sandstone	Jan-Apr	None; no suitable habitat
Alkali milk-vetch <i>Astragalus tener var. tener</i>	-/-/1B.2		Southern Sacramento Valley, northern San Joaquin Valley, east San Francisco Bay Area	Grassy flats and vernal pool margins, on alkali soils, below 200'	Mar-Jun	None; no suitable habitat
Heartscale <i>Atriplex cordulata</i>	--/1B.2		Western Central Valley and valleys of adjacent foothills	Alkali grassland, alkali meadow, alkali scrub, below 660'	May-Oct	None; no suitable habitat
Brittlescale <i>Atriplex depressa</i>	-/-/1B.2		Western and eastern Central Valley and adjacent foothills on west side of Central Valley	Alkali grassland, alkali meadow, alkali scrub, chenopod scrub, playas, valley and foothill grasslands on alkaline or clay soils, below 660'	May-Oct	None; no suitable habitat
San Joaquin saltbush <i>Atriplex joaquiniana</i>	-/-/1B.2		West edge of Central Valley from Glenn County to Tulare County	Alkali meadow, alkali grassland, saltbush scrub; blooms April-September	Unknown	None; no suitable habitat
Big scale balsamroot <i>Balsamorhiza macrolepis</i>	-/-/1B.2		Scattered occurrences in the Coast Ranges and Sierra Nevada foothills	Rocky annual grassland and fields, foothill woodland hillsides, sometimes serpentinite, below 4,600'	Mar-Jun	None; no suitable habitat

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	Fed/Cal/CNPS					
Chaparral harebell <i>Campanula exigua</i>	-/-/1B.2		San Francisco Bay region, northern inner south Coast Ranges: Alameda, Contra Costa, San Benito, Santa Clara, and Stanislaus Counties	Rocky areas in chaparral, usually on serpentinite	May-Jun	None; no suitable habitat
Congdon's tarplant <i>Centromadia parryi</i> ssp. <i>congdonii</i> (formerly <i>Hemizonia</i> )	-/-/1B.2		East San Francisco Bay Area, Salinas Valley, Los Osos Valley	Annual grassland, on lower slopes, flats, and swales, sometimes on alkaline or saline soils, below 700'	Jun-Nov	None; no suitable habitat
Robust spineflower <i>Chorizanthe robusta</i> var. <i>robusta</i>	E/-/1B.1		Coastal central California, from San Mateo to Monterey County	Coastal bluff scrub, coastal dunes openings in cismontane woodland, on sandy soil	May-Sep	None; no suitable habitat
Fountain thistle <i>Cirsium fontinale</i> var. <i>fontinale</i>	E/E/1B.1		Endemic to San Mateo County	Seeps in chaparral and grassland, on serpentinite	Jun-Oct	None; no suitable habitat
Lost thistle <i>Cirsium praeteriens</i>	-/-/1A		Known only from 2 historic collections in Santa Clara County near Palo Alto (last in 1901)	Habitat is unknown, not in Jepson Manual, elevation 0-100 meters	June-July	None; no suitable habitat
San Francisco collinsia <i>Collinsia multicolor</i>	-/-/1B.2		Coastal California from San Francisco to Monterey County	Closed-cone coniferous forest, coastal scrub	Mar-May	None; no suitable habitat
Point Reyes bird's-beak <i>Cordylanthus maritimus</i> ssp. <i>Palustris</i>	-/-/1B.2		Coastal northern California, from Humboldt to Santa Clara County; Oregon	Coastal salt marsh	Jun-Oct	None; no suitable habitat
Palmate-bracted bird's-beak <i>Cordylanthus palmatus</i>	E/E/1B.1		Livermore Valley and scattered locations in the Central Valley from Colusa County to Fresno County	Alkaline grassland, alkali meadow, chenopod scrub	May-Oct	None; no suitable habitat

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	Fed/Cal/CNPS	Geographic Distribution			
Western leatherwood <i>Dirca occidentalis</i>	--/1B.2	San Francisco Bay region, Alameda, Contra Costa, Marin, Santa Clara, San Mateo, and Sonoma Counties	Moist areas in broadleaved upland forest, closed-cone coniferous forest, chaparral, cismontane woodland, North Coast coniferous forest, riparian forest, riparian woodland, 165-1,300'	Jan-Apr	None; no suitable habitat
Hoover's button-celery <i>Eryngium aristulatum var. hooveri</i>	--/1B.1	San Benito, Santa Clara, and San Luis Obispo Counties	Vernal pools	Jul	None; no suitable habitat
Fragrant fritillary <i>Fritillaria liliacea</i>	--/1B.2	Coast Ranges from Marin County to San Benito County	Adobe soils of interior foothills, coastal prairie, coastal scrub, annual grassland, often on serpentinite, below 1,350'	Feb-Apr	
Diablo rock rose (Diablo helianthella) <i>Helianthella castanea</i>	--/1B.2	San Francisco Bay area: Alameda, Contra Costa, Marin*, San Francisco*, and San Mateo Counties	At chaparral/oak woodland ecotone, often in partial shade, on rocky soils, (60-1300 m) 80-3,800'	Apr-Jun	None; no suitable habitat
Marin western flax <i>Hesperolinon congestum</i>	T/T/1B.1	Marin, San Francisco, and San Mateo Counties	Chaparral, serpentinite grassland	Apr-Jul	None; no suitable habitat
Santa Cruz tarplant <i>Holocarpha macradenia</i>	T/E/1B.1	Coastal slope of the Santa Cruz Mountains, Monterey and Santa Cruz Counties	Coastal terrace grasslands on light sandy to sandy clay soils, below 300 feet	Jun-Oct	None; no suitable habitat

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	Fed/Cal/CNPS					
Contra Costa goldfields <i>Lasthenia conjugens</i>	E-/1B.1		Scattered occurrences in Coast Range valleys and southwest edge of Sacramento Valley, Alameda, Contra Costa, Mendocino, Monterey, Napa, Santa Barbara*, Santa Clara*, and Solano Counties.	Alkaline or saline vernal pools and swales, below 700'	Mar-Jun	None; no suitable habitat
Arcuate bush mallow <i>Malacothamnus arcuatus</i>	-/1B.2		Santa Clara, Santa Cruz, and San Mateo Counties	Chaparral, between 15-355 m	Apr-Sep	None; no suitable habitat
Davidson's bush mallow <i>Malacothamnus davidsonii</i>	-/1B.2		Los Angeles, Monterey, and San Luis Obispo Counties	Coastal scrub, chaparral, and riparian woodland in sandy washes, 900-2,800'	Jun-Sep	None; no suitable habitat
Hall's bush mallow <i>Malacothamnus hallii</i>	-/1B.2		Alameda, Contra Costa, Merced, Santa Clara, and Stanislaus Counties	Chaparral and coastal scrub between 30-2,500'	May-Sep	None; no suitable habitat
Robust monardella <i>Monardella villosa ssp. globosa</i>	-/1B.2		North Coast Ranges and Eastern San Francisco Bay Area: Alameda, Contra Costa, Humboldt, Lake, Marin, Mendocino, Napa, San Mateo, and Sonoma Counties	Oak woodland and grassy openings in chaparral and coastal scrub	June-July	None; no suitable habitat
Prostrate navarettia <i>Navarretia prostrata</i>	-/1B.1		Western San Joaquin Valley, interior South Coast Ranges, central South Coast, Peninsular Ranges: Los Angeles, Merced, Monterey, Orange, Riverside, San Bernardino, and San Diego Counties	Vernal pools and mesic areas in coastal scrub and alkali grasslands	Apr-Jul	None; no suitable habitat

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	Fed/Cal/CNPS					
Hairless popcorn-flower <i>Plagiobothrys glaber</i>	-/-/1A		Coastal valleys from Marin County to San Benito Counties	Alkaline meadows, coastal salt marsh	Apr-May	None; no suitable habitat
Slender-leaved pondweed <i>Potamogeton filiformis</i>	-/-/2.2		Scattered locations in California: Lassen, Merced, Mono, Placer, and Sierra Counties; Arizona, Nevada, Oregon, Washington	Freshwater marsh, shallow emergent wetlands and freshwater lakes, drainage channels	May-Jul	None; no suitable habitat
Most beautiful jewel-flower <i>Streptanthus albidus ssp. peramoenus</i>	-/-/1B.2		Eastern San Francisco Bay area, Central south coastal outer ranges. Alameda, Contra Costa, Monterey, and Santa Clara Counties	Chaparral, annual grassland, on ridges and slopes on serpentinite outcrops, 450-3,200'	Apr-Jun	None; no suitable habitat
California seablite <i>Suaeda californica</i>	E/-/1B.1		Morro Bay, San Luis Obispo County, historically found in the south San Francisco Bay	Margins of tidal salt marsh	Jul-Oct	None; no suitable habitat
Saline clover <i>Trifolium depauperatum var. hydrophilum</i>	-/-/1B.2		Sacramento Valley, central western California	Salt marsh, mesic alkaline areas in grasslands, vernal pools	Apr-Jun	None; no suitable habitat
Caper-fruited tropidocarpum <i>Tropidocarpum capparideum</i>	-/-/1B.1		Historically known from the northwest San Joaquin Valley and adjacent Coast Range foothills	Grasslands in alkaline hills below 1,500'	Mar-Apr	None; no suitable habitat

<sup>a</sup> Status explanations:

**Federal**

- E = listed as endangered under the federal Endangered Species Act.  
 T = listed as threatened under the federal Endangered Species Act.  
 - = no listing.

**State**

- E = listed as endangered under the California Endangered Species Act.
- T = listed as threatened under the California Endangered Species Act.
- = no listing.

**California Native Plant Society**

- 1A = List 1A species: plants presumed extinct in California and elsewhere.
- 1B = List 1B species: rare, threatened, or endangered in California and elsewhere.
- 2 = List 2 species: rare, threatened, or endangered in California but more common elsewhere.
- 3 = List 3 species: plants about which more information is needed to determine their status.
- 0.1 = seriously endangered in California.
- 0.2 = fairly endangered in California.
- 0.3 = not very endangered in California.

<sup>b</sup> Likelihood of Occurrence Levels:

- High: Known occurrence of plant in project vicinity from CNDDDB (2008) or other documents, or presence of suitable habitat.
- Moderate: Known occurrence of plant in project vicinity from CNDDDB (2008) or other documents; suitable habitat is present but suitable microhabitat conditions are not.
- Low: Plant not known to occur in project vicinity from CNDDDB (2008) or other documents; or habitat conditions are of poor quality.
- None: Plant not known to occur in project vicinity from CNDDDB (2008) or other documents of the; or suitable habitat not present in any condition.

**SPECIAL-STATUS WILDLIFE SPECIES WITH POTENTIAL TO OCCUR IN THE VICINITY OF THE UNION CITY STATION DISTRICT MIXED-USE DEVELOPMENT PROJECT STUDY AREA**

Common and Scientific Name	Status <sup>a</sup>		Habitats	Occurrence in the Study Area
	Federal/State	California Distribution		
<b>Invertebrates</b>				
Vernal pool fairy shrimp <i>Branchinecta lynchi</i>	T/--	Central Valley, central and south Coast Ranges from Tehama County to Santa Barbara County. Isolated populations also in Riverside County	Common in vernal pools; also found in sandstone rock outcrop pools	No habitat present in study area –no vernal pools
Vernal pool tadpole shrimp <i>Lepidurus packardii</i>	E/--	Shasta County south to Merced County	Vernal pools and ephemeral stock ponds	No habitat present in study area –no vernal pools
Bay checkerspot butterfly <i>Euphydryas editha bayensis</i>	T/--	Vicinity of San Francisco Bay including San Francisco peninsula in San Mateo Co., and mountains near San Jose, Santa Clara County	Native grasslands on outcrops of serpentine soil; California plantain and owl's clover are host plants	No habitat present in study area –no serpentine soil
<b>Amphibians and Reptiles</b>				
California tiger salamander <i>Ambystoma californiense</i>	T/SSC	Central Valley, including Sierra Nevada foothills, up to approximately 1,000 feet, and coastal region from Butte County south to Santa Barbara County	Small ponds, lakes, or vernal pools in grass-lands and oak woodlands for larvae; rodent burrows, rock crevices, or fallen logs for cover for adults and for summer dormancy	No habitat present in study area
California red-legged frog <i>Rana aurora draytonii</i>	T/SSC	Found along the coast and coastal mountain ranges of California from Marin County to San Diego County and in the Sierra Nevada from Tehama County to Fresno County	Permanent and semi-permanent aquatic habitats, such as creeks and cold-water ponds, with emergent and submergent vegetation. May aestivate in rodent burrows or cracks during dry periods	No habitat present in study area

Common and Scientific Name	Status <sup>a</sup>		Habitats	Occurrence in the Study Area
	Federal/State	California Distribution		
Western pond turtle <i>Clemmys marmorata</i>	--/SSC	The range of the northwestern subspecies extends from Oregon border of Del Norte and Siskiyou Counties south along coast to San Francisco Bay, inland through Sacramento Valley, and on the western slope of Sierra Nevada; the southwestern subspecies occurs along the central coast of California east to the Sierra Nevada and along the southern California coast inland to the Mojave and Sonora Deserts; the subspecies' range overlaps through the Delta and Central Valley to Tulare County	Woodlands, grasslands, and open forests; occupies ponds, marshes, rivers, streams, and irrigation canals with muddy or rocky bottoms and with watercress, cattails, water lilies, or other aquatic vegetation	No habitat present in study area
Alameda whipsnake <i>Masticophis lateralis euryxanthus</i>	T/T	Restricted to Alameda and Contra Costa Counties	Valleys, foothills, and low mountains or chaparral habitat; requires rock outcrops for cover and foraging	No habitat present in study area
San Francisco garter snake <i>Thamnophis sirtalis tetrataenia</i>	E/E, FP	Northern San Mateo County southward along the coast and the eastern slope of the Santa Cruz Mountains to the Santa Cruz County line	Favors ponds, lakes, slow moving streams and marshy areas containing abundant vegetation, which it uses for cover; nearby upland habitat is important during fall and winter	Outside of species range
<b>Birds</b>				
California brown pelican <i>Pelecanus occidentalis californicus</i>	E/E	Present along the entire coastline, but does not breed north of Monterey County; extremely rare inland	Typically in littoral ocean zones, just outside the surf line; nests on offshore islands	No habitat present in study area

Common and Scientific Name	Status <sup>a</sup>		Habitats	Occurrence in the Study Area
	Federal/State	California Distribution		
Double-crested cormorant <i>Phalacrocorax auritus</i> (rookery site)	--/SSC	Winters along the entire California coast and inland over the Coast Ranges into the Central Valley from Tehama County to Fresno County; a permanent resident along the coast from Monterey County to San Diego County, along the Colorado River, Imperial, Riverside, Kern and King Co.s, and the islands off San Francisco; breeds in Siskiyou, Modoc, Lassen, Shasta, Plumas, and Mono Co.s; also breeds in the San Francisco Bay Area and in Yolo and Sacramento Counties	Rocky coastlines, beaches, inland ponds, and lakes; needs open water for foraging, and nests in riparian forests or on protected islands, usually in snags	No habitat present in study area
Northern harrier <i>Circus cyaneus</i>	--/SSC	Occurs throughout lowland California. Has been recorded in fall at high elevations	Grasslands, meadows, marshes, and seasonal and agricultural wetlands	No suitable nesting habitat present
Golden eagle <i>Aquila chrysaetos</i>	--/SSC, FP	Foothills and mountains throughout California. Uncommon nonbreeding visitor to lowlands such as the Central Valley	Nest on cliffs and escarpments or in tall trees overlooking open country. Forages in annual grasslands, chaparral, and oak woodlands with plentiful medium and large-sized mammals	No suitable nesting habitat present
Sharp-shinned hawk <i>Accipiter striatus</i>	--/SSC	Permanent resident in the Sierra Nevada, Cascade, Klamath, and north Coast Ranges at mid elevations and along the coast in Marin, San Francisco, San Mateo, Santa Cruz, and Monterey Counties. Winters over the rest of the state except at very high elevations	Dense canopy ponderosa pine or mixed-conifer forest and riparian habitats	No suitable nesting habitat present

Common and Scientific Name	Status <sup>a</sup>		Habitats	Occurrence in the Study Area
	Federal/State	California Distribution		
Cooper's hawk <i>Accipiter cooperii</i>	--/SSC	Throughout California except high altitudes in the Sierra Nevada. Winters in the Central Valley, southeastern desert regions, and plains east of the Cascade Range	Nests in a wide variety of habitat types, from riparian woodlands and digger pine-oak woodlands through mixed conifer forests	No suitable nesting habitat present
White-tailed kite <i>Elanus leucurus</i>	--/FP	Lowland areas west of Sierra Nevada from the head of the Sacramento Valley south, including coastal valleys and foothills to western San Diego County	Low foothills or valley areas with valley or live oaks, riparian areas, and marshes near open grasslands	No suitable nesting habitat present
California clapper rail <i>Rallus longirostris obsoletus</i>	E/E	Marshes around the San Francisco Bay and east through the Delta to Suisun Marsh	Restricted to salt marshes and tidal sloughs; usually associated with heavy growth of pickle-weed; feeds on mollusks removed from the mud in sloughs	No habitat present in study area ; Outside of range
California black rail <i>Laterallus jamaicensis coturniculus</i>	--/T	Permanent resident in the San Francisco Bay and east-ward through the Delta into Sacramento and San Joaquin Counties; small populations in Marin, Santa Cruz, San Luis Obispo, Orange, Riverside, and Imperial Counties	Tidal salt marshes associated with heavy growth of pickleweed; also occurs in brackish marshes or freshwater marshes at low elevations	No habitat present in study area ; Outside of range
Western snowy plover (coastal populations) <i>Charadrius alexandrinus nivosus</i> (nesting)	T/SSC	Population defined as those birds that nest adjacent to or near tidal waters, including all nests along the mainland coast, peninsulas, offshore islands, and adjacent bays and estuaries. Twenty breeding sites are known in California from Del Norte to Diego County	Coastal beaches above the normal high tide limit in flat, open areas with sandy or saline substrates; vegetation and driftwood are usually sparse or absent	No habitat present in study area

Common and Scientific Name	Status <sup>a</sup>		Habitats	Occurrence in the Study Area
	Federal/State	California Distribution		
Black skimmer <i>Rynchops niger</i> (nesting colony)	--/SSC	Common summer resident at the Salton Sea; colony of permanent residents on the south end of San Diego Bay	Nests on gravel bars and sandy beaches; forages in shallow, calm waters	No habitat present in study area
California least tern <i>Sterna antillarum</i> (=albifrons) <i>browni</i> (nesting colony)	E/E	Nests on beaches along the San Francisco Bay and along the southern California coast from southern San Luis Obispo County south to San Diego County	Nests on sandy, upper ocean beaches, and occasionally uses mudflats; forages on adjacent surf line, estuaries, or the open ocean	No habitat present in study area
Western burrowing owl <i>Athene cunicularia hypugaea</i>	--/SSC	Lowlands throughout California, including the Central Valley, northeastern plateau, southeastern deserts, and coastal areas. Rare along south coast	Level, open, dry, heavily grazed or low stature grassland or desert vegetation with available burrows	No habitat present in study area
Short-eared owl <i>Asio flammeus</i>	--/SSC	Permanent resident along the coast from Del Norte County to Monterey County although very rare in summer north of San Francisco Bay, in the Sierra Nevada north of Nevada County, in the plains east of the Cascades, and in Mono County; small, isolated populations	Freshwater and salt marshes, lowland meadows, and irrigated alfalfa fields; needs dense tules or tall grass for nesting and daytime roosts	No habitat present in study area
California horned lark <i>Eremophila alpestris actia</i>	--/SSC	Found throughout much of the state, less common in mountainous areas of the north coast and in coniferous or chaparral habitats	Common to abundant resident in a variety of open habitats, usually where large trees and shrubs are absent. Grasslands and deserts to dwarf shrub habitats above tree line	No habitat present in study area

Common and Scientific Name	Status <sup>a</sup>		Habitats	Occurrence in the Study Area
	Federal/State	California Distribution		
Bank swallow <i>Riparia riparia</i>	--/T	Occurs along the Sacramento River from Tehama County to Sacramento County, along the Feather and lower American Rivers, in the Owens Valley; and in the plains east of the Cascade Range in Modoc, Lassen, and northern Siskiyou Counties. Small populations near the coast from San Francisco County to Monterey County	Nests in bluffs or banks, usually adjacent to water, where the soil consists of sand or sandy loam	No habitat present in study area
Saltmarsh common yellowthroat <i>Geothlypis trichas sinuosa</i>	--/SSC	Found only in the San Francisco Bay Area in Marin, Napa, Sonoma, Solano, San Francisco, San Mateo, Santa Clara, and Alameda Counties	Breeds in fresh and brackish marsh associated with and close to Bay wetlands. Freshwater marshes are used in summer and salt or brackish marshes in fall and winter; requires tall grasses, tules, and willow thickets for nesting and cover	No habitat present in study area
Tricolored blackbird <i>Agelaius tricolor</i>	--/SSC	Permanent resident in the Central Valley from Butte County to Kern County. Breeds at scattered coastal locations from Marin County south to San Diego County; and at scattered locations in Lake, Sonoma, and Solano Counties. Rare nester in Siskiyou, Modoc, and Lassen Counties	Nests in dense colonies in emergent marsh vegetation, such as tules and cattails, or upland sites with blackberries, nettles, thistles, and grainfields. Habitat must be large enough to support 50 pairs. Probably requires water at or near the nesting colony	No habitat present in study area
Yellow warbler <i>Dendroica petechia brewsteri</i> (nesting)	--/SSC	Nests over all of California except the Central Valley, the Mojave Desert region, and high altitudes in the Sierra Nevada. Winters along the Colorado River and in parts of Imperial and Riverside Counties	Nests in riparian areas dominated by willows, cottonwoods, sycamores, or alders or in mature chaparral; may also use oaks, conifers, and urban areas near stream courses	No habitat present in study area

Common and Scientific Name	Status <sup>a</sup>		Habitats	Occurrence in the Study Area
	Federal/State	California Distribution		
Alameda (South Bay) song sparrow <i>Melospiza melodia pusillula</i>	--/SSC	Found only in marshes along the southern portion of the San Francisco Bay	Brackish marshes associated with pickleweed; may nest in tall vegetation or among the pickleweed	No habitat present in study area
<b>Mammals</b>				
Alameda Island Mole <i>Scapanus latimanus parvus</i>	--/SSC	Restricted to Alameda Island	Prefers moist friable soils	Outside of range
Salt marsh vagrant (wandering) shrew <i>Sorex vagrans halicoetes</i>	--/SSC	Restricted to southern and northwestern San Francisco Bay	Midelevation salt marsh habitats with dense growths of pickleweed; requires driftwood and other objects for nesting cover	No habitat present in study area
Hoary bat <i>Lasiurus cinereus</i>	--/SSC	Scattered throughout much of California, although distribution is patchy in southeastern deserts.	Generally roosts in dense foliage of medium to large trees, hidden from above.	No habitat present in study area
Pallid bat <i>Antrozous pallidus</i>	--/SSC	Occurs throughout California except the high Sierra from Shasta to Kern County and the northwest coast, primarily at lower and mid elevations.	Occurs in a variety of habitats from desert to coniferous forest. Most closely associated with oak, yellow pine, redwood, and giant sequoia habitats in northern California and oak woodland, grassland, and desert scrub in southern California. Relies heavily on trees for roosts.	No habitat present in study area
Greater western mastiff bat <i>Eumops perotis californicus</i>	--/SSC	Occurs along the western Sierra primarily at low to mid elevations and widely distributed throughout the southern coast ranges. Recent surveys have detected the species north to the Oregon border	Found in a wide variety of habitats from desert scrub to montane conifer. Roosts and breeds in deep, narrow rock crevices, but may also use crevices in trees, buildings, and tunnels	No habitat present in study area
Salt marsh harvest mouse <i>Reithrodontomys raviventris</i>	E/E, FP	San Francisco, San Pablo, and Suisun Bays; the Delta	Salt marshes with a dense plant cover of pickle-weed and fat hen; adjacent to an upland site	No habitat present in study area ; outside of species range

Common and Scientific Name	Status <sup>a</sup>		Habitats	Occurrence in the Study Area
	Federal/State	California Distribution		
San Francisco dusky-footed woodrat <i>Neotoma fuscipes annectens</i>	--/SSC	West side of Mount Diablo to coast and San Francisco Bay	Present in chaparral habitat and in forest habitats with a moderate understory	No habitat present in study area
San Joaquin kit fox <i>Vulpes macrotis mutica</i>	E/T	Principally occurs in the San Joaquin Valley and adjacent open foothills to the west; recent records from 17 counties extending from Kern County north to Contra Costa County	Saltbush scrub, grassland, oak, savanna, and freshwater scrub	No habitat present in study area
American badger <i>Taxidea taxus</i>	--/SSC	Throughout California, except for the humid coastal forests of northwestern California in Del Norte County and the northwestern portion of Humboldt County	Requires sufficient food, friable soils, and relatively open uncultivated ground. Preferred habitat includes grasslands, savannas, and mountain meadows near timberline.	No habitat present in study area

<sup>a</sup>Status explanations:

Federal

E = listed as endangered under the federal Endangered Species Act.

T = listed as threatened under the federal Endangered Species Act.

-- = no listing.

State

E = listed as endangered under the California Endangered Species Act.

T = listed as threatened under the California Endangered Species Act.

FP = fully protected under the California Fish and Game Code.

SSC = species of special concern in California.

-- = no listing.