
Appendix B-2

Potential to Occur Tables

Scientific Name	Common Name	Status* (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Abronia nana</i> var. <i>covillei</i>	Coville's dwarf abronia	None/None/4.2	Great Basin scrub, Joshua tree "woodland", Pinyon and juniper woodland, Subalpine coniferous forest, Upper montane coniferous forest; Carbonate, Sandy/perennial herb/May–Aug/5,000–10,170	Low potential to occur. Subalpine coniferous forest, upper montane coniferous forest present. However, no suitable substrate.
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	None/None/1B.1	Chaparral, Coastal scrub, Desert dunes; Sandy/annual herb/(Jan)Mar–Sep/245–5,250	Not expected to occur. No suitable vegetation present.
<i>Acanthoscyphus parishii</i> var. <i>goodmaniana</i>	Cushenbury oxytheca	FE/None/1B.1	Pinyon and juniper woodland (carbonate, talus); Carbonate, Sandy/annual herb/May–Oct/4,000–7,800	Not expected to occur. No suitable vegetation present.
<i>Acanthoscyphus parishii</i> var. <i>parishii</i>	Parish's oxytheca	None/None/4.2	Chaparral, Lower montane coniferous forest; Gravelly (sometimes), Sandy (sometimes)/annual herb/June–Sep/4,005–8,530	Low potential to occur. Lower montane coniferous forest present, but lacks suitable soils.
<i>Allium howellii</i> var. <i>clokeyi</i>	Mt. Pinos onion	None/None/1B.3	Great Basin scrub, Meadows and seeps (edges), Pinyon and juniper woodland/perennial bulbiferous herb/Apr–June/4265–6070	Not expected to occur. No suitable vegetation present.
<i>Allium parishii</i>	Parish's onion	None/None/4.3	Joshua tree "woodland", Mojavean desert scrub, Pinyon and juniper woodland; Rocky/perennial bulbiferous herb/Apr–May/2,955–5,695	Not expected to occur. No suitable vegetation present.
<i>Androsace elongata</i> ssp. <i>acuta</i>	California androsace	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Meadows and seeps, Pinyon and juniper woodland, Valley and foothill grassland/annual herb/Mar–June/490–4280	Not expected to occur. The site is outside of the species' known elevation range.
<i>Aphyllon epigalium</i> ssp. <i>notocalifornicum</i>	Southern California galium broomrape	None/None/1B.3	Cismontane woodland, Lower montane coniferous forest, Riparian forest/annual/perennial herb (parasitic)/June(July)/3935–5035	Not expected to occur. The site is outside of the species' known elevation range.
<i>Arenaria paludicola</i>	marsh sandwort	FE/SE/1B.1	Marshes and swamps (brackish, freshwater); Openings, Sandy/perennial stoloniferous herb/May–Aug/10–560	Not expected to occur. The site is outside of the species' known elevation range.

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<i>Artemisia palmeri</i>	San Diego sagewort	None/None/4.2	Chaparral, Coastal scrub, Riparian forest, Riparian scrub, Riparian woodland; Mesic, Sandy/perennial deciduous shrub/(Feb)May-Sep/15-3,000	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Asplenium vespertinum</i>	western spleenwort	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub; Rocky/perennial rhizomatous herb/Feb-June/590-3,280	Not expected to occur. The site is outside of the species' known elevation range.
<i>Astragalus bicristatus</i>	crested milk-vetch	None/None/4.3	Lower montane coniferous forest, Upper montane coniferous forest; Carbonate (usually), Rocky (sometimes), Sandy (sometimes)/perennial herb/May-Aug/5,580-9,005	Low potential to occur. Lower montane coniferous forest present, but lacks carbonate soils.
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch	None/None/1B.1	Meadows and seeps, Playas; Alkaline, Lake Margins/annual herb/May-Oct/195-2,790	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Astragalus lentiginosus</i> var. <i>sierrae</i>	Big Bear Valley milk-vetch	None/None/1B.2	Meadows and seeps, Mojavean desert scrub, Pinyon and juniper woodland, Upper montane coniferous forest; Gravelly (sometimes), Rocky (sometimes)/perennial herb/Apr-Aug/5,905-8,530	Not expected to occur. The site is outside of the species' known elevation range.
<i>Astragalus leucolobus</i>	Big Bear Valley woollypod	None/None/1B.2	Lower montane coniferous forest, Pebble (Pavement) plain, Pinyon and juniper woodland, Upper montane coniferous forest; Rocky/perennial herb/May-July/3,610-9,465	Moderate potential to occur. Montane coniferous forest present with cobbly sandy loam soils.
<i>Azolla microphylla</i>	Mexican mosquito fern	None/None/4.2	Marshes and swamps (ponds, slow water)/annual/perennial herb/Aug/100-330	Not expected to occur. The site is outside of the species' known elevation range.
<i>Berberis nevinii</i>	Nevin's barberry	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub; Gravelly (sometimes), Sandy (sometimes)/perennial evergreen shrub/(Feb)Mar-June/230-2,705	Not expected to occur. The site is outside of the species' known elevation range.

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<i>Boechea dispar</i>	pinon rockcress	None/None/2B.3	Joshua tree "woodland", Mojavean desert scrub, Pinyon and juniper woodland; Granitic, Gravelly/perennial herb/Mar-June/3,935-8,335	Not expected to occur. No suitable vegetation present.
<i>Boechea parishii</i>	Parish's rockcress	None/None/1B.2	Pebble (Pavement) plain, Pinyon and juniper woodland, Upper montane coniferous forest; Carbonate (sometimes), Rocky/perennial herb/Apr-May/5,805-9,810	Not expected to occur. The site is outside of the species' known elevation range.
<i>Boechea shockleyi</i>	Shockley's rockcress	None/None/2B.2	Pinyon and juniper woodland (carbonate, gravelly, quartzite, rocky)/perennial herb/May-June/2870-7580	Not expected to occur. No suitable vegetation present.
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	FT/SE/1B.1	Chaparral (openings), Cismontane woodland, Coastal scrub, Playas, Valley and foothill grassland, Vernal pools; Clay (often)/perennial bulbiferous herb/Mar-June/80-3,675	Not expected to occur. The site is outside of the species' known elevation range.
<i>Calochortus catalinae</i>	Catalina mariposa lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland/perennial bulbiferous herb/(Feb)Mar-June/50-2295	Not expected to occur. The site is outside of the species' known elevation range.
<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily	None/None/1B.2	Chaparral, Lower montane coniferous forest, Meadows and seeps; Mesic/perennial bulbiferous herb/Apr-July/2,330-7,840	Moderate potential to occur. Montane coniferous forest present with mesic areas.
<i>Calochortus plummerae</i>	Plummer's mariposa-lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland; Granitic, Rocky/perennial bulbiferous herb/May-July/330-5,580	Low potential to occur. Lower montane coniferous forest and cismontane woodland present. However, no granitic soils.
<i>Calochortus simulans</i>	La Panza mariposa-lily	None/None/1B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland; Granitic (often), Sandy, Serpentinite (sometimes)/perennial bulbiferous herb/Apr-June/1,065-3,775	Not expected to occur. The site is outside of the species' known elevation range.
<i>Canbya candida</i>	white pygmy-poppy	None/None/4.2	Joshua tree "woodland", Mojavean desert scrub, Pinyon and juniper woodland; Granitic,	Not expected to occur. The site is outside of the species' known

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			Gravelly, Sandy/annual herb/Mar-June/1,970-4,790	elevation range and there is no suitable vegetation present.
<i>Carex comosa</i>	bristly sedge	None/None/2B.1	Coastal prairie, Marshes and swamps (lake margins), Valley and foothill grassland/perennial rhizomatous herb/May-Sep/0-2050	Not expected to occur. The site is outside of the species' known elevation range.
<i>Castilleja cinerea</i>	ash-gray paintbrush	FT/None/1B.2	Meadows and seeps, Mojavean desert scrub, Pebble (Pavement) plain, Pinyon and juniper woodland, Upper montane coniferous forest (clay, openings)/perennial herb (hemiparasitic)/June-Aug/5905-9710	Not expected to occur. The site is outside of the species' known elevation range.
<i>Castilleja lasiorhyncha</i>	San Bernardino Mountains owl's-clover	None/None/1B.2	Chaparral, Meadows and seeps, Pebble (Pavement) plain, Riparian woodland, Upper montane coniferous forest; Mesic/annual herb (hemiparasitic)/May-Aug/4,265-7,840	Moderate potential to occur. Upper montane coniferous forest and mesic areas present.
<i>Castilleja montigena</i>	Heckard's paintbrush	None/None/4.3	Lower montane coniferous forest, Pinyon and juniper woodland, Upper montane coniferous forest/perennial herb (hemiparasitic)/May-Aug/6400-9185	Not expected to occur. The site is outside of the species' known elevation range.
<i>Castilleja plagiotoma</i>	Mojave paintbrush	None/None/4.3	Great Basin scrub (alluvial), Joshua tree "woodland", Lower montane coniferous forest, Pinyon and juniper woodland/perennial herb (hemiparasitic)/Apr-June/985-8205	Low potential to occur. Lower montane coniferous forest present.
<i>Centromadia pungens ssp. laevis</i>	smooth tarplant	None/None/1B.1	Chenopod scrub, Meadows and seeps, Playas, Riparian woodland, Valley and foothill grassland; Alkaline/annual herb/Apr-Sep/0-2,100	Not expected to occur. The site is outside of the species' known elevation range.
<i>Chloropyron maritimum ssp. maritimum</i>	salt marsh bird's-beak	FE/SE/1B.2	Coastal dunes, Marshes and swamps (coastal salt)/annual herb (hemiparasitic)/May-Oct(Nov)/0-100	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Chorizanthe leptotheca</i>	Peninsular spineflower	None/None/4.2	Chaparral, Coastal scrub, Lower montane coniferous forest; Granitic/annual herb/May-Aug/985-6,235	Low potential to occur. Lower montane coniferous forest present, but lacks granitic soils.

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<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; Openings, Rocky (sometimes), Sandy (sometimes)/annual herb/Apr-June/900-4,005	Not expected to occur. The site is outside of the species' known elevation range.
<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower	None/None/1B.2	Coastal scrub (alluvial fans), Mojavean desert scrub, Pinyon and juniper woodland; Gravelly (sometimes), Sandy (sometimes)/annual herb/Apr-June/985-3,935	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Convolvulus simulans</i>	small-flowered morning-glory	None/None/4.2	Chaparral (openings), Coastal scrub, Valley and foothill grassland; Clay, Seeps, Serpentine/annual herb/Mar-July/100-2,430	Not expected to occur. The site is outside of the species' known elevation range.
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder	None/None/2B.2	Marshes and swamps (freshwater)/annual vine (parasitic)/July-Oct/50-920	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Deinandra mohavensis</i>	Mojave tarplant	None/SE/1B.3	Chaparral, Coastal scrub, Riparian scrub; Mesic/annual herb/(Jan-May)June-Oct/2,100-5,250	Not expected to occur. No suitable vegetation present.
<i>Deinandra paniculata</i>	paniculate tarplant	None/None/4.2	Coastal scrub, Valley and foothill grassland, Vernal pools; Sandy (sometimes), Vernal Mesic (usually)/annual herb/(Mar)Apr-Nov/80-3,085	Not expected to occur. The site is outside of the species' known elevation range.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub (alluvial fans); Sandy/annual herb/Apr-June/655-2,495	Not expected to occur. The site is outside of the species' known elevation range.
<i>Dudleya abramsii</i> ssp. <i>affinis</i>	San Bernardino Mountains dudleya	None/None/1B.2	Pebble (Pavement) plain, Pinyon and juniper woodland, Upper montane coniferous forest; Carbonate (sometimes), Granitic (sometimes)/perennial herb/Apr-July/4,100-8,530	Low potential to occur. Upper montane coniferous forest present but lacks suitable soils.
<i>Eremogone ursina</i>	Big Bear Valley sandwort	FT/None/1B.2	Meadows and seeps, Pebble (Pavement) plain, Pinyon and juniper woodland; Mesic,	Not expected to occur. The site is outside of the species' known

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			Rocky/perennial herb/May–Aug/5,905–9,515	elevation range and there is no suitable vegetation present.
<i>Eremothera boothii</i> ssp. <i>boothii</i>	Booth's evening-primrose	None/None/2B.3	Joshua tree "woodland", Pinyon and juniper woodland/annual herb/Apr–Sep/2675–7875	Not expected to occur. No suitable vegetation present.
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	FE/SE/1B.1	Chaparral, Coastal scrub (alluvial fans); Gravelly (sometimes), Sandy (sometimes)/perennial herb/Apr–Sep/300–2,000	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Erigeron parishii</i>	Parish's daisy	FT/None/1B.1	Mojavean desert scrub, Pinyon and juniper woodland; Carbonate (usually), Granitic (sometimes)/perennial herb/May–Aug/2,625–6,560	Not expected to occur. No suitable vegetation present.
<i>Eriogonum ovalifolium</i> var. <i>vineum</i>	Cushenbury buckwheat	FE/None/1B.1	Joshua tree "woodland", Mojavean desert scrub, Pinyon and juniper woodland; Carbonate/perennial herb/May–Aug/4,595–8,005	Not expected to occur. No suitable vegetation present.
<i>Eriophyllum lanatum</i> var. <i>obovatum</i>	southern Sierra woolly sunflower	None/None/4.3	Lower montane coniferous forest, Upper montane coniferous forest; Loam, Sandy/perennial herb/June–July/3,655–8,205	Moderate potential to occur. Suitable vegetation and substrate present.
<i>Erythranthe exigua</i>	San Bernardino Mountains monkeyflower	None/None/1B.2	Meadows and seeps, Pebble (Pavement) plain, Upper montane coniferous forest; Clay, Mesic/annual herb/May–July/5,905–7,595	Not expected to occur. The site is outside of the species' known elevation range.
<i>Erythranthe purpurea</i>	little purple monkeyflower	None/None/1B.2	Meadows and seeps, Pebble (Pavement) plain, Upper montane coniferous forest/annual herb/May–June/6235–7545	Not expected to occur. The site is outside of the species' known elevation range.
<i>Fimbristylis thermalis</i>	hot springs fimbristylis	None/None/2B.2	Meadows and seeps (alkaline, near hot springs)/perennial rhizomatous herb/July–Sep/360–4395	Not expected to occur. The site is outside of the species' known elevation range.
<i>Frasera neglecta</i>	pine green-gentian	None/None/4.3	Lower montane coniferous forest, Pinyon and juniper woodland, Upper montane coniferous forest/perennial herb/May–July/4595–8205	Moderate potential to occur. Montane coniferous forest present.

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<i>Fritillaria pinetorum</i>	pine fritillary	None/None/4.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland, Subalpine coniferous forest, Upper montane coniferous forest; Granitic (sometimes), Metamorphic (sometimes)/perennial bulbiferous herb/May–July(Sep)/5,695–10,825	Low potential to occur. Montane and subalpine coniferous forests present, but lacks suitable soils.
<i>Galium californicum</i> ssp. <i>primum</i>	Alvin Meadow bedstraw	None/None/1B.2	Chaparral, Lower montane coniferous forest; Granitic, Sandy/perennial herb/May–July/4,430–5,580	Low potential to occur. Lower montane coniferous forest present but lacks granitic soils.
<i>Galium johnstonii</i>	Johnston's bedstraw	None/None/4.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland, Riparian woodland/perennial herb/June–July/4005–7545	Low potential to occur. Lower montane coniferous forest present.
<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Los Angeles sunflower	None/None/1A	Marshes and swamps (freshwater, coastal salt)/perennial rhizomatous herb/Aug–Oct/35–5005	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Heuchera abramsii</i>	Abrams' alumroot	None/None/4.3	Upper montane coniferous forest (rocky)/perennial rhizomatous herb/July–Aug/9185–11485	Not expected to occur. The site is outside of the species' known elevation range.
<i>Heuchera caespitosa</i>	urn-flowered alumroot	None/None/4.3	Cismontane woodland, Lower montane coniferous forest, Riparian forest (montane), Upper montane coniferous forest; Rocky/perennial rhizomatous herb/May–Aug/3,790–8,695	Moderate potential to occur. Cismontane woodland and montane coniferous forest with cobbly soils present.
<i>Heuchera parishii</i>	Parish's alumroot	None/None/1B.3	Alpine boulder and rock field, Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Carbonate (sometimes), Rocky/perennial rhizomatous herb/June–Aug/4,920–12,470	Low potential to occur. Montane and subalpine coniferous forests present, but lacks carbonate soils.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	None/None/1B.1	Chaparral (maritime), Cismontane woodland, Coastal scrub; Gravelly (sometimes), Sandy (sometimes)/perennial herb/Feb–July(Sep)/230–2,660	Not expected to occur. The site is outside of the species' known elevation range.

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<i>Hulsea vestita</i> ssp. <i>parryi</i>	Parry's sunflower	None/None/4.3	Lower montane coniferous forest, Pinyon and juniper woodland, Upper montane coniferous forest; Carbonate (sometimes), Granitic (sometimes), Openings, Rocky/perennial herb/Apr–Aug/4,495–9,500	Low potential to occur. Montane coniferous forest present but lacks carbonate or granitic soils.
<i>Imperata brevifolia</i>	California satintail	None/None/2B.1	Chaparral, Coastal scrub, Meadows and seeps (often alkali), Mojavean desert scrub, Riparian scrub; Mesic/perennial rhizomatous herb/Sep–May/0–3,985	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Ivesia argyrocoma</i> var. <i>argyrocoma</i>	silver-haired ivesia	None/None/1B.2	Meadows and seeps (alkaline), Pebble (Pavement) plain, Upper montane coniferous forest/perennial herb/June–Aug/4800–9710	Low potential to occur. Upper montane coniferous forest present.
<i>Juglans californica</i>	Southern California black walnut	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland/perennial deciduous tree/Mar–Aug/165–2955	Not expected to occur. The site is outside of the species' known elevation range.
<i>Juncus duranii</i>	Duran's rush	None/None/4.3	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Mesic/perennial rhizomatous herb/July–Aug/5,800–9,200	Not expected to occur. The site is outside of the species' known elevation range.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	None/None/4.3	Chaparral, Coastal scrub/annual herb/Jan–July/5–2905	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Lilium humboldtii</i> ssp. <i>ocellatum</i>	ocellated Humboldt lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Riparian woodland; Openings/perennial bulbiferous herb/Mar–July(Aug)/100–5,905	Moderate potential to occur. Cismontane woodland and lower montane coniferous forest present.
<i>Lilium parryi</i>	lemon lily	None/None/1B.2	Lower montane coniferous forest, Meadows and seeps, Riparian forest, Upper montane coniferous forest; Mesic/perennial bulbiferous herb/July–Aug/4,005–9,005	Moderate potential to occur. Montane coniferous forest and mesic areas present.
<i>Lupinus elatus</i>	silky lupine	None/None/4.3	Lower montane coniferous forest, Upper montane coniferous forest/perennial herb/June–Aug/4920–9845	Moderate potential to occur. Suitable vegetation present.

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<i>Lycium parishii</i>	Parish's desert-thorn	None/None/2B.3	Coastal scrub, Sonoran desert scrub/perennial shrub/Mar-Apr/445-3280	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Malacothamnus parishii</i>	Parish's bush-mallow	None/None/1A	Chaparral, Coastal scrub/perennial deciduous shrub/June-July/1000-1495	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Monardella exilis</i>	Mojave monardella	None/None/4.2	Chenopod scrub, Desert dunes, Great Basin scrub, Joshua tree "woodland", Lower montane coniferous forest, Mojavean desert scrub, Pinyon and juniper woodland; Sandy/annual herb/Apr-Sep/1,970-6,725	Moderate potential to occur. Lower montane coniferous forest and cobbly sandy loam present.
<i>Monardella macrantha</i> ssp. <i>hallii</i>	Hall's monardella	None/None/1B.3	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland/perennial rhizomatous herb/June-Oct/2395-7200	Moderate potential to occur. Cismontane woodland and lower montane coniferous forest present.
<i>Monardella pringlei</i>	Pringle's monardella	None/None/1A	Coastal scrub (sandy)/annual herb/May-June/985-1310	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Muhlenbergia californica</i>	California muhly	None/None/4.3	Chaparral, Coastal scrub, Lower montane coniferous forest, Meadows and seeps; Mesic, Seeps, Streambanks/perennial rhizomatous herb/June-Sep/330-6,560	Moderate potential to occur. Lower montane coniferous forest and mesic areas present.
<i>Muilla coronata</i>	crowned muilla	None/None/4.2	Chenopod scrub, Joshua tree "woodland", Mojavean desert scrub, Pinyon and juniper woodland/perennial bulbiferous herb/Mar-Apr(May)/2200-6430	Not expected to occur. No suitable vegetation present.
<i>Nasturtium gambelii</i>	Gambel's water cress	FE/ST/1B.1	Marshes and swamps (brackish, freshwater)/perennial rhizomatous herb/Apr-Oct/15-1085	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

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<i>Navarretia peninsularis</i>	Baja navarretia	None/None/1B.2	Chaparral (openings), Lower montane coniferous forest, Meadows and seeps, Pinyon and juniper woodland; Mesic/annual herb/(May)June–Aug/4,920–7,545	Moderate potential to occur. Lower montane coniferous forest and mesic areas present.
<i>Nemacladus gracilis</i>	slender nemacladus	None/None/4.3	Cismontane woodland, Valley and foothill grassland; Gravelly (sometimes), Sandy (sometimes)/annual herb/Mar–May/395–6,235	Low potential to occur. Cismontane woodland present but lacks gravelly soils. Cobbly sandy loam soils on site.
<i>Opuntia basilaris</i> var. <i>brachyclada</i>	short-joint beavertail	None/None/1B.2	Chaparral, Joshua tree "woodland", Mojavean desert scrub, Pinyon and juniper woodland/perennial stem/Apr–June(Aug)/1395–5905	Not expected to occur. No suitable vegetation present.
<i>Packera bernardina</i>	San Bernardino ragwort	None/None/1B.2	Meadows and seeps (mesic, sometimes alkaline), Pebble (Pavement) plain, Upper montane coniferous forest/perennial herb/May–July/5905–7545	Not expected to occur. The site is outside of the species' known elevation range.
<i>Packera ionophylla</i>	Tehachapi ragwort	None/None/4.3	Lower montane coniferous forest, Upper montane coniferous forest; Granitic, Rocky/perennial herb/June–July/4,920–8,860	Low potential to occur. Suitable vegetation present but lacks granitic soils.
<i>Pediomelum castoreum</i>	Beaver Dam breadroot	None/None/1B.2	Joshua tree "woodland", Mojavean desert scrub; Roadsides, Sandy, Washes/perennial herb/Apr–May/2,000–5,005	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Pelazoneuron puberulum</i> var. <i>sonorensis</i>	Sonoran maiden fern	None/None/2B.2	Meadows and seeps (seeps, streams)/perennial rhizomatous herb/Jan–Sep/165–2000	Not expected to occur. The site is outside of the species' known elevation range.
<i>Pentachaeta aurea</i> ssp. <i>aurea</i>	golden-rayed pentachaeta	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Riparian woodland, Valley and foothill grassland/annual herb/Mar–July/260–6070	Moderate potential to occur. Lower montane coniferous forest and cismontane woodland present.
<i>Perideridia parishii</i> ssp. <i>parishii</i>	Parish's yampah	None/None/2B.2	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest/perennial herb/June–Aug/4805–9845	High potential to occur. Montane coniferous forest present. Recent occurrence records immediately

Scientific Name	Common Name	Status* (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
				south of the project site, from 2005.
<i>Phacelia exilis</i>	Transverse Range phacelia	None/None/4.3	Lower montane coniferous forest, Meadows and seeps, Pebble (Pavement) plain, Upper montane coniferous forest; Gravelly (sometimes), Sandy (sometimes)/annual herb/May–Aug/3,610–8,860	Low potential to occur. Montane coniferous forest present but lacks gravelly soils.
<i>Phacelia mohavensis</i>	Mojave phacelia	None/None/4.3	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Pinyon and juniper woodland; Gravelly (sometimes), Sandy (sometimes)/annual herb/Apr–Aug/4,595–8,205	Low potential to occur. Lower montane coniferous forest present but lacks gravelly soils.
<i>Phlox dolichantha</i>	Big Bear Valley phlox	None/None/1B.2	Pebble (Pavement) plain, Upper montane coniferous forest (openings)/perennial herb/May–July/6005–9745	Not expected to occur. The site is outside of the species' known elevation range.
<i>Piperia leptopetala</i>	narrow-petaled rein orchid	None/None/4.3	Cismontane woodland, Lower montane coniferous forest, Upper montane coniferous forest/perennial herb/May–July/1245–7300	Moderate potential to occur. Suitable vegetation present.
<i>Ribes divaricatum</i> var. <i>parishii</i>	Parish's gooseberry	None/None/1A	Riparian woodland/perennial deciduous shrub/Feb–Apr/215–985	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Rupertia rigida</i>	Parish's rupertia	None/None/4.3	Chaparral, Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Pebble (Pavement) plain, Valley and foothill grassland/perennial herb/June–Aug/2295–8205	Moderate potential to occur. Cismontane woodland and lower montane coniferous forest present.
<i>Saltugilia latimeri</i>	Latimer's woodland-gilia	None/None/1B.2	Chaparral, Mojavean desert scrub, Pinyon and juniper woodland; Granitic (often), Rocky (sometimes), Sandy (sometimes), Washes (sometimes)/annual herb/Mar–June/1,310–6,235	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status* (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Schoenus nigricans</i>	black bog-rush	None/None/2B.2	Marshes and swamps (often alkaline)/perennial herb/Aug-Sep/490-6560	Not expected to occur. No suitable vegetation present.
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i>	southern mountains skullcap	None/None/1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest; Mesic/perennial rhizomatous herb/June-Aug/1,395-6,560	Moderate potential to occur. Cismontane woodland and lower montane coniferous forest with mesic areas present.
<i>Selaginella asprella</i>	bluish spike-moss	None/None/4.3	Cismontane woodland, Lower montane coniferous forest, Pinyon and juniper woodland, Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Rocky/perennial rhizomatous herb/July/5,250-8,860	Low potential to occur. Cismontane woodland, montane coniferous forest, and subalpine coniferous forest present, but lacks granitic soils.
<i>Senecio aphanactis</i>	chaparral ragwort	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub; Alkaline (sometimes)/annual herb/Jan-Apr(May)/50-2,625	Not expected to occur. The site is outside of the species' known elevation range.
<i>Senecio astephanus</i>	San Gabriel ragwort	None/None/4.3	Chaparral, Coastal scrub; Rocky, Slopes/perennial herb/May-July/1,310-4,920	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Sidalcea hickmanii</i> ssp. <i>parishii</i>	Parish's checkerbloom	None/SR/1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest/perennial herb/(May)June-Aug/3280-8200	Moderate potential to occur. Cismontane woodland and lower montane coniferous forest present.
<i>Sidalcea malviflora</i> ssp. <i>dolosa</i>	Bear Valley checkerbloom	None/None/1B.2	Lower montane coniferous forest (meadows, seeps), Meadows and seeps, Riparian woodland, Upper montane coniferous forest (meadows, seeps)/perennial herb/May-Aug/4905-8810	Moderate potential to occur. Montane coniferous forest with potential seep area present.
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	None/None/2B.2	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas; Alkaline, Mesic/perennial herb/Mar-June/50-5,020	Not expected to occur. The site is outside of the species' known elevation range.

Scientific Name	Common Name	Status* (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Sidalcea pedata</i>	bird-foot checkerbloom	FE/SE/1B.1	Meadows and seeps (mesic), Pebble (Pavement) plain/perennial herb/May- Aug/5250-8205	Not expected to occur. No suitable vegetation present.
<i>Sidotheca caryophylloides</i>	chickweed oxytheca	None/None/4.3	Lower montane coniferous forest (sandy)/annual herb/July-Sep(Oct)/3655- 8530	Moderate potential to occur. Suitable vegetation present along with cobbly sandy loam soils.
<i>Sphenopholis obtusata</i>	prairie wedge grass	None/None/2B.2	Cismontane woodland, Meadows and seeps; Mesic/perennial herb/Apr-July/985-6,560	Moderate potential to occur. Suitable vegetation and mesic areas present.
<i>Streptanthus bernardinus</i>	Laguna Mountains jewelflower	None/None/4.3	Chaparral, Lower montane coniferous forest/perennial herb/May-Aug/2200-8205	High potential to occur. Montane coniferous forest present. Historic occurrence records 0.5 miles southeast of the project site, from 1994.
<i>Streptanthus campestris</i>	southern jewelflower	None/None/1B.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland; Rocky/perennial herb/(Apr)May-July/2,955- 7,545	Low potential to occur. Lower montane coniferous forest present.
<i>Symphyotrichum defoliatum</i>	San Bernardino aster	None/None/1B.2	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Marshes and swamps, Meadows and seeps, Valley and foothill grassland (vernally mesic); Streambanks/perennial rhizomatous herb/July-Nov/5-6,695	Moderate potential to occur. Cismontane woodland and lower montane coniferous forest present with potential mountain spring.
<i>Syntrichopappus lemmonii</i>	Lemmon's syntrichopappus	None/None/4.3	Chaparral, Joshua tree "woodland", Pinyon and juniper woodland; Gravelly (sometimes), Sandy (sometimes)/annual herb/Apr- May(June)/1,640-6,005	Not expected to occur. No suitable vegetation present.
<i>Trichostema micranthum</i>	small-flowered bluecurls	None/None/4.3	Lower montane coniferous forest, Meadows and seeps; Mesic/annual herb/June- Sep/5,005-7,545	Moderate potential to occur. Lower montane coniferous forest with mesic areas present.
<i>Yucca brevifolia</i>	western Joshua tree	None/SC/CBR	Great Basin grassland, Great Basin scrub, Joshua tree woodland, Mojavean desert scrub, Pinyon and juniper woodland, Sonoran	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status* (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
			desert scrub, Valley and foothill grassland/perennial leaf succulent/Apr- May/1312-6562	

***Status Legend:**

FE: Federally listed as endangered

FT: Federally listed as threatened

FC: Federal Candidate for listing

FD: Federally delisted

SE: State listed as endangered

ST: State listed as threatened

SC: State Candidate for listing

SR: State Rare

CRPR 1A: Plants presumed extirpated in California and either rare or extinct elsewhere

CRPR 1B: Plants rare, threatened, or endangered in California and elsewhere

CRPR 2A: Plants presumed extirpated in California but common elsewhere

CRPR 2B: Plants rare, threatened, or endangered in California but more common elsewhere

CRPR 3: Review List: Plants about which more information is needed

CRPR 4: Watch List: Plants of limited distribution

.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)

.2 Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

.3 Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

CBR: Considered but Rejected

Scientific Name	Common Name	Status* (Federal/State)	Habitat	Potential to Occur
<i>Amphibians</i>				
<i>Anaxyrus californicus</i>	arroyo toad	FE/SSC	Semi-arid areas near washes, sandy riverbanks, riparian areas, palm oasis, Joshua tree, mixed chaparral and sagebrush; stream channels for breeding (typically third order); adjacent stream terraces and uplands for foraging and wintering	Not expected to occur. No suitable vegetation present.
<i>Rana draytonii</i>	California red-legged frog	FT/SSC	Lowland streams, wetlands, riparian woodlands, livestock ponds; dense, shrubby or emergent vegetation associated with deep, still or slow-moving water; uses adjacent uplands	Not expected to occur. No adjacent uplands for aestivation. Mountain stream on site is high elevation (5000 ft).
<i>Rana muscosa</i>	mountain yellow-legged frog	FE/SE, WL	Lakes, ponds, meadow streams, isolated pools, and open riverbanks; rocky canyons in narrow canyons and in chaparral	Not expected to occur. No suitable vegetation present.
<i>Spea hammondi</i>	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley-foothill woodlands, pastures, and other agriculture	Not expected to occur. No suitable vegetation present.
<i>Reptiles</i>				
<i>Anniella stebbinsi</i>	southern California legless lizard	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley-foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	High potential to occur. Pine and oak woodlands with potential mountain spring and cobbly sandy loam soils present. On site occurrence records are historic, from 1951.
<i>Arizona elegans occidentalis</i>	California glossy snake	None/SSC	Arid scrub, rocky washes, grasslands, chaparral, open areas with loose soil	Not expected to occur. No suitable vegetation present.
<i>Aspidoscelis hyperythra</i>	orange-throated whiptail	None/WL	Low-elevation coastal scrub, chaparral, and valley-foothill hardwood	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status* (Federal/State)	Habitat	Potential to Occur
<i>Aspidoscelis tigris stejnegeri</i>	San Diegan tiger whiptail	None/SSC	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Low potential to occur. Woodland present can provide nesting habitat. No suitable foraging habitat present.
<i>Charina umbratica</i>	southern rubber boa	None/ST	Montane oak-conifer and mixed-conifer forests, montane chaparral, wet meadows; usually in vicinity of streams or wet meadows	High potential to occur. Suitable habitat present. On site occurrence records from 2019.
<i>Coleonyx variegatus abbotti</i>	San Diego banded gecko	None/SSC	Rocky areas within coastal scrub and chaparral	Not expected to occur. No suitable vegetation present.
<i>Crotalus ruber</i>	red diamondback rattlesnake	None/SSC	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Not expected to occur. The project is outside of the range of the species.
<i>Diadophis punctatus modestus</i>	San Bernardino ring-necked snake	None/None	Moist habitats including wet meadows, rocky hillsides, gardens, farmland grassland, chaparral, mixed-conifer forest, and woodland	Moderate potential to occur. Mixed conifer forest and woodland with mountain spring present.
<i>Phrynosoma blainvillii</i>	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley-foothill hardwood, conifer, riparian, pine-cypress, juniper, and annual grassland habitats	Not expected to occur. The project is outside of the range of the species.
<i>Salvadora hexalepis virgultea</i>	coast patch-nosed snake	None/SSC	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Not expected to occur. No suitable vegetation present.
<i>Thamnophis hammondi</i>	two-striped gartersnake	None/SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. No suitable vegetation present.
<i>Actinemys marmorata</i>	northwestern pond turtle	FPT/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status* (Federal/State)	Habitat	Potential to Occur
<i>Birds</i>				
<i>Accipiter cooperii</i> (nesting)	Cooper's hawk	None/WL	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water	Moderate potential to occur. Woodland habitat near water present can provide nesting habitat.
<i>Agelaius tricolor</i> (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	Not expected to occur. No suitable nesting or foraging vegetation present.
<i>Aimophila ruficeps canescens</i>	Southern California rufous-crowned sparrow	None/WL	Nests and forages in open coastal scrub and chaparral with low cover of scattered scrub interspersed with rocky and grassy patches	Not expected to occur. No suitable vegetation present.
<i>Artemisiospiza belli belli</i>	Bell's sage sparrow	None/WL	Nests and forages in coastal scrub and dry chaparral; typically in large, unfragmented patches dominated by chamise; nests in more dense patches but uses more open habitat in winter	Not expected to occur. No suitable vegetation present.
<i>Athene cunicularia</i> (burrow sites & some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Not expected to occur. No suitable vegetation present.
<i>Buteo swainsoni</i> (nesting)	Swainson's hawk	None/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Not expected to occur. The project is outside of the breeding range of the species and no suitable foraging habitat present.
<i>Coccyzus americanus occidentalis</i> (nesting)	western yellow-billed cuckoo	FT/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. No suitable vegetation present.
<i>Elanus leucurus</i> (nesting)	white-tailed kite	None/FP	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Not expected to occur. There are no open lands suitable for foraging nearby.

Scientific Name	Common Name	Status* (Federal/State)	Habitat	Potential to Occur
<i>Empidonax traillii extimus (nesting)</i>	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Not expected to occur. No suitable vegetation present.
<i>Eremophila alpestris actia</i>	California horned lark	None/WL	This subspecies of horned lark occurs on the state's southern and central coastal slope and in the San Joaquin Valley. Nests and forages in grasslands, disturbed lands, agriculture, and beaches.	Not expected to occur. No suitable vegetation present.
<i>Falco columbarius (wintering)</i>	merlin	None/WL	Forages in semi-open areas, including coastline, grassland, agriculture, savanna, woodland, lakes, and wetlands	Moderate potential to occur. Woodland present and site is within 1 mile of Lake Arrowhead could provide wintering habitat.
<i>Haliaeetus leucocephalus (nesting & wintering)</i>	bald eagle	FPD/FP, SE	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains	Not expected to occur. Suitable nesting and wintering habitat present; however, the project is approximately 0.5 miles away from Lake Arrowhead. Occurrence records from 2009 are approximately 0.5 mi north of the project site at Lake Arrowhead.
<i>Icteria virens (nesting)</i>	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. No suitable vegetation present.
<i>Lanius ludovicianus (nesting)</i>	loggerhead shrike	None/SSC	Nests and forages in open habitats with scattered shrubs, trees, or other perches	Not expected to occur. No suitable vegetation present.
<i>Laterallus jamaicensis coturniculus</i>	California black rail	None/FP, ST	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. No suitable vegetation present.
<i>Pandion haliaetus (nesting)</i>	osprey	BCC/WL	Large waters (lakes, reservoirs, rivers) supporting fish; usually near forest habitats, but widely observed along the coast	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status* (Federal/State)	Habitat	Potential to Occur
<i>Polioptila californica californica</i>	coastal California gnatcatcher	FT/SSC	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Not expected to occur. No suitable vegetation present.
<i>Setophaga petechia (nesting)</i>	yellow warbler	None/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Not expected to occur. No suitable vegetation present.
<i>Strix occidentalis occidentalis</i>	California spotted owl	None/SSC	Mixed conifer forest, often with an understory of black oaks and other deciduous hardwoods; most often found in deep-shaded canyons, on north-facing slopes, and within 300 meters of water	Low potential to occur. Marginal habitat is present but Lake Arrowhead is approximately 0.5 miles to the north and the project is not within a deep-shaded canyon.
<i>Vireo bellii pusillus (nesting)</i>	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Not expected to occur. No suitable vegetation present.
Fishes				
<i>Catostomus santaanae</i>	Santa Ana sucker	FT/None	Small, shallow, cool, clear streams less than 7 meters (23 feet) in width and a few centimeters to more than a meter (1.5 inches to more than 3 feet) in depth; substrates are generally coarse gravel, rubble, and boulder	Not expected to occur. No suitable vegetation present.
<i>Gila orcuttii</i>	arroyo chub	None/SSC	Warm, fluctuating streams with slow-moving or backwater sections of warm to cool streams at depths >40 centimeters (16 inches); substrates of sand or mud	Not expected to occur. No suitable vegetation present.
<i>Oncorhynchus mykiss irideus pop. 10</i>	southern steelhead - southern California DPS	FE/SCE	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status* (Federal/State)	Habitat	Potential to Occur
<i>Rhinichthys osculus</i> <i>ssp. 8</i>	Santa Ana speckled dace	None/SSC	Headwaters of the Santa Ana and San Gabriel Rivers; may be extirpated from the Los Angeles River system	Not expected to occur. No suitable vegetation present.
<i>Siphateles bicolor</i> <i>mohavensis</i>	Mohave tui chub	FE/FP, SE	Lacustrine ponds or pools; 4 feet min water depth; freshwater flow; mineralized and alkaline environment; habitat for aquatic invertebrate prey and egg attachment substrate; <i>Ruppia maritima</i> preferred for egg attachment and thermal refuge in summer months	Not expected to occur. No suitable vegetation present.
Mammals				
<i>Antrozous pallidus</i>	pallid bat	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees	Moderate potential to occur. Woodland present can provide foraging and roosting habitat.
<i>Dasypterus xanthinus</i>	western yellow bat	None/SSC	Valley-foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Not expected to occur. No suitable vegetation present.
<i>Dipodomys merriami</i> <i>parvus</i>	San Bernardino kangaroo rat	FE/SSC, SCE	Sparse scrub habitat, alluvial scrub/coastal scrub habitats on gravelly and sandy soils near river and stream terraces	Not expected to occur. No suitable vegetation present.
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	FT/ST	Annual and perennial grassland habitats, coastal scrub or sagebrush with sparse canopy cover, or in disturbed areas	Not expected to occur. No suitable vegetation present.
<i>Eumops perotis</i> <i>californicus</i>	western mastiff bat	None/SSC	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Moderate potential to occur. Coniferous forest present could provide foraging and roosting habitat.
<i>Glaucomys</i> <i>oregonensis</i> <i>californicus</i>	San Bernardino flying squirrel	None/SSC	Coniferous and deciduous forests, including riparian forests	Moderate potential to occur. Coniferous forest present.

Scientific Name	Common Name	Status* (Federal/State)	Habitat	Potential to Occur
<i>Leptonycteris yerbabuenae</i>	lesser long-nosed bat	FPD/SSC	Sonoran desert scrub, semi-desert grasslands, lower oak woodlands	Moderate potential to occur. Kellogg's oak present within cismontane woodland could provide foraging and roosting habitat.
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	None/SSC	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Not expected to occur. No suitable vegetation present.
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	None/SSC	Pinyon-juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Not expected to occur. No suitable vegetation present.
<i>Onychomys torridus ramona</i>	southern grasshopper mouse	None/SSC	Grassland and sparse coastal scrub	Not expected to occur. No suitable vegetation present.
<i>Perognathus alticola alticolus</i>	white-eared pocket mouse	None/SSC	Arid ponderosa pine communities	Moderate potential to occur. Suitable habitat present. Occurrence records immediately north of the project site are historic (1921) and possibly extirpated.
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse	None/SSC	Lower-elevation grassland, alluvial sage scrub, and coastal scrub	Not expected to occur. No suitable vegetation present.
<i>Puma concolor</i>	mountain lion - Southern California/Central Coast ESU	None/SC	Scrubs, chaparral, riparian, woodland, and forest; rests in rocky areas and on cliffs and ledges that provide cover; most abundant in riparian areas and brushy stages of most habitats throughout California, except deserts	Moderate potential to occur. Woodlands present and species is known to occur in Lake Arrowhead and San Bernardino National Forest.
<i>Taxidea taxus</i>	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	High potential to occur. Although no suitable habitat is present, there are on site occurrence records from an unknown date.
<i>Invertebrates</i>				

Scientific Name	Common Name	Status* (Federal/State)	Habitat	Potential to Occur
<i>Bombus crotchii</i>	Crotch bumble bee	None/SCE	Open grassland and scrub communities supporting suitable floral resources.	Moderate potential to occur. Limited suitable floral nectar resources present. Historic occurrence records immediately north of the project site.
<i>Euphydryas editha quino</i>	quino checkerspot butterfly	FE/None	Annual forblands, grassland, open coastal scrub and chaparral; often soils with cryptogamic crusts and fine-textured clay; host plants include <i>Plantago erecta</i> , <i>P. patagonica</i> , and <i>Antirrhinum coulterianum</i> , among others	Not expected to occur. No suitable vegetation present.
<i>Rhaphiomidas terminatus abdominalis</i>	Delhi Sands flower-loving fly	FE/None	Delhi fine sandy soils and dunes, scrub and ruderal vegetation in the sand verbena series with <50% cover	Not expected to occur. No suitable vegetation present.

***Status Abbreviations:**

- FE: Federally listed as endangered
- FT: Federally listed as threatened
- FPE: Federally proposed for listing as endangered
- FPT: Federally proposed for listing as threatened
- FC: Federal candidate species (former Category 1 candidates)
- FPD: Federally proposed for delisting
- BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern
- BLM: Bureau of Land Management Sensitive Species
- USFS: U.S. Forest Service Sensitive Species
- SSC: California Species of Special Concern
- FP: California Fully Protected Species
- WL: California Watch List Species
- SE: State listed as endangered
- ST: State listed as threatened
- SC: State candidate for listing as threatened or endangered
- SCE: State candidate for listing as endangered
- SCT: State candidate for listing as threatened
- SCD: State candidate for delisting
- CDF: California Department of Forestry Sensitive Species