

California High-Speed Rail Authority

# *Palmdale to Burbank* *Project Section*

Final Environmental Impact Report/  
Environmental Impact Statement

Appendix 3.7-B Determination of  
Potential for Forest Service Sensitive  
Species to Occur in the Action Area

April 2024



The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by the State of California pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated July 23, 2019, and executed by the Federal Railroad Administration and the State of California.

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### APPENDIX 3.7-B: DETERMINATION OF POTENTIAL FOR FOREST SERVICE SENSITIVE SPECIES TO OCCUR IN THE ACTION AREA

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<b>Plants</b>				
<i>Acanthoscyphus parishii</i> var. <i>abramsii</i> Abrams' oxytheca (also Abram's flowery puncturebract)	FSS	1B.2	California endemic. Occurs in the outer south coast ranges and the western transverse ranges including the San Gabriel Mountains. Sandy to gravelly soil in chaparral and lower montane coniferous forest; 4,000 to 8,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Arctostaphylos glandulosa</i> ssp. <i>gabrielensis</i> San Gabriel manzanita	FSS, BLMS	1B.2	California endemic. Occurs in the outer south coast ranges and the San Gabriel Mountains. Rocky soil in chaparral; 2,000 to 4,900 feet elevation.	<b>Potential to Occur: Low.</b> Two CNDDDB occurrences are documented within 10 miles of the action area, but the closest is 9.7 miles from the action area (CDFW 2019). Chaparral vegetation community is present in the action area.
<i>Arctostaphylos parryana</i> ssp. <i>tumescens</i> interior manzanita	FSS	4.3	California endemic. Occurs in the San Gabriel and San Bernardino Mountains. Montane chaparral and cismontane woodland; 6,900 to 7,600 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Astragalus bicristatus</i> crested milkvetch	FSS	4.3	California endemic. Occurs in the south coast region including the San Gabriel, San Bernardino, and San Jacinto Mountains and peninsular ranges. Sandy or rocky ground in mostly carbonite soils in montane coniferous forest; 5,500 to 9,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Astragalus lentiginosus</i> var. <i>Antonius</i> San Antonio milkvetch	FSS	1B.3	California endemic. Only known from locations near Mt. San Antonio. Montane coniferous forest; 4,900 to 8,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Astragalus lentiginosus</i> var. <i>sierrae</i> Big Bear Valley milkvetch	FSS	1B.2	Known only from Big Bear Valley and the vicinity of Baldwin Lake in San Bernardino County.  Gravelly or rocky soils in Mojavean desert scrub, meadows and seeps, pinyon and juniper woodland, and upper montane coniferous forest; 5,900 to 8,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Botrychium crenulatum</i> scalloped moonwort	FSS	2B.2	Occurs from California to Washington, Montana, and Utah. In California it is widely scattered within the California floristic province from the Cascade Range south to the San Gabriel Mountains.  Bogs, fens, meadows, seeps, marshes, freshwater swamps, montane coniferous forests; 4,100 to 10,800 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Calochortus clavatus</i> var. <i>clavatus</i> club-haired mariposa lily	FSS	4.3	California endemic. Occurs in the South Coast Ranges and Western Transverse Ranges including the San Gabriel Mountains.  Clay, rocky, or serpentine soils in chaparral, coastal scrub, cismontane woodland, valley and foothill grassland; 250 to 4,300 feet elevation.	<b>Potential to Occur: Low.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019), but Calflora records an occurrence approximately 4.5 miles east of the action area at the Vulcan mine, observed in 2015 (Calflora 2019). Potentially suitable vegetation communities, including chaparral and coastal scrub, are present in the action area. The soils in the action area are not categorized as serpentinite, but the species' affinity for serpentinite soils is not exclusive.
<i>Calochortus clavatus</i> var. <i>gracilis</i> slender mariposa lily	FSS, BLMS	1B.2	California endemic. Occurs in the San Gabriel Mountains. Threatened by development, mining, nonnative plants, and vehicles.  Chaparral, coastal scrub, valley and foothill grassland; 1,000 to 3,300 feet elevation.	<b>Potential to Occur: Present.</b> Thirty-three presumed extant CNDDDB occurrences are documented within 10 miles of the action area. The closest, documented in 2003, is approximately 0.5 mile from the action area in Soledad Canyon. Approximately 941 individuals of slender mariposa lily were observed where the alignment runs parallel to SR14 in the vicinity of Vasquez Rocks Natural Area and Vulcan Mine.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Calochortus fimbriatus</i> late-flowered mariposa-lily	FSS, BLMS	1B.3	California endemic. Occurs in the western transverse ranges. Perennial bulbiferous herb. Serpentine soils in chaparral, cismontane and riparian woodland; 900 to 6,200 feet elevation.	<b>Potential to Occur: Not Expected.</b> Potential habitat is present in the action area, but no CNDDDB occurrences are documented within 10 miles. The nearest occurrence is approximately 12 miles west of the action area in the Santa Susana Mountains. No occurrences are documented in the San Gabriel Mountains (Calflora 2019).
<i>Calochortus palmeri</i> var. <i>palmeri</i> Palmer's mariposa lily	FSS, BLMS	1B.2	California endemic. Occurs in the western portion of the California floristic province from the central coast south to the San Gabriel Mountains. Mesic soils in chaparral, lower montane coniferous forests, meadows, and seeps; 3,300 to 7,800 feet elevation.	<b>Potential to Occur: Low.</b> Two CNDDDB occurrences are documented within 10 miles of the action area. The closest is approximately 5.7 miles from the action area and was documented in 1989. An occurrence was documented in 2010 approximately 9.4 miles from the action area (CDFW 2019). Chaparral vegetation community present in the action area is approximately 300 feet below the elevation range of the species.
<i>Calochortus striatus</i> alkali mariposa lily	FSS, BLMS	1B.2	Occurs in Nevada and California. In California occurs in the Sierra Nevada foothills, desert mountains, and Mojave Desert. Alkaline meadows, moist creosote-bush scrub; 200 to 5,200 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). No alkali meadows or moist creosote-bush scrub are present in the action area.
<i>Castilleja gleasoni</i> Mount Gleason paintbrush	FSS, BLMS	1B.2	California Endemic. Occurs in the San Gabriel Mountains, largely centered around Mt. Gleason. Hemiparasitic perennial herb. Granitic soils in chaparral, lower montane coniferous forests, and pinyon and juniper woodland; 3,800 to 7,200 feet elevation. Blooming period: May–September	<b>Potential to Occur: Not Expected.</b> Potential habitat is present in the action area and several recent CNDDDB occurrences are documented within 10 miles of the action area. However, all occurrences are concentrated in the vicinity of Mount Gleason (CDFW 2019). The action area is outside the known range of the species.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Castilleja plagiotoma</i> Mojave paintbrush	FSS	4.3	California endemic. Scattered within the California floristic province from the Sierra Nevada foothills south to the San Gabriel Mountains and east into the Mojave Desert.  Great basin scrub (alluvial soils), lower montane coniferous forests, Joshua tree, pinyon and juniper woodland; 1,000 to 8,200 feet elevation.	<b>Potential to Occur: Not Expected.</b> Montane hardwood-conifer woodland vegetation community is present in the action area, but all of this community was surveyed and the species was not observed. No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019).
<i>Chorizanthe parryi</i> var. <i>parryi</i> Parry's spineflower	FSS	1B.1	California endemic. Occurs in the San Gabriel and San Bernardino Mountains and the Sonoran Desert.  Sandy or rocky openings in chaparral, coastal scrub, cismontane woodland, and valley and foothill grassland; 900 to 4,000 feet elevation.	<b>Potential to Occur: Low.</b> One CNDDDB occurrence is documented within 10 miles of the action area, recorded approximately 5.8 miles from the action area in 1995 (CDFW 2019). Suitable habitats including chaparral and coastal scrub are present in the action area.
<i>Chorizanthe parryi</i> var. <i>fernandina</i> San Fernando Valley spineflower	FSS	SE, 1B.1	California endemic. Occurs in the western transverse ranges, including the San Gabriel Mountains.  Sandy coastal scrub and valley and foothill grassland at elevations between 500 and 4,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). However, modeled habitat is not present in the action area.
<i>Cladium californicum</i> California sawgrass	FSS	2B.2	Occurs from California to Utah, Arizona, Texas, and northern Mexico. In California it occurs in the south coast ranges, the western transverse ranges including the San Gabriel Mountains, and in the Mojave and Sonoran Deserts. Known from fewer than 20 occurrences in California.  Meadows, seeps, marshes, and swamps either alkaline or freshwater; 200–2,800 feet elevation.	<b>Potential to Occur: Not Expected.</b> No suitable habitat is present in the action area. There are no CNDDDB occurrences documented within 10 miles of the action area (CDFW 2019).
<i>Claytonia lanceolata</i> var. <i>peirsonii</i> Peirson's spring beauty	FSS	3.1	California endemic. Known only from the San Gabriel Mountains. Threatened by foot traffic, recreational activities, and proposed ski area expansion.  Subalpine coniferous forest, upper montane coniferous forest; 4,900 to 9,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Deinandra mohavensis</i> Mojave tarplant	FSS, BLMS	SE, 1B.3	California endemic. Occurs in high Sierra Nevada, San Bernardino Mountains, peninsular ranges, San Jacinto Mountains, and Mojave Desert.  Mesic chaparral, coastal scrub, riparian scrub; 2,100 to 5,300 feet elevation.	<b>Potential to Occur: Not Expected.</b> No presumed extant occurrences are documented in Los Angeles County or southern Kern County (CNPS 2019).
<i>Drymocallis cuneifolia</i> var. <i>ewanii</i> Ewan's woodbeauty (also Ewan's cinquefoil)	FSS	B.3	California endemic. Known only from the Dawson Saddle area of the San Gabriel Mountains.  Meadows, seeps, and mesic areas in lower montane coniferous forests; 6,200 to 7,900 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Dudleya cymosa</i> ssp. <i>crebrifolia</i> San Gabriel River dudleya	FSS	1B.2	California endemic. Known only from the type locality along the San Gabriel River in the San Gabriel Mountains.  Perennial herb. Granitic soil in chaparral; 900 to 1,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Dudleya densiflora</i> San Gabriel Mountains dudleya	FSS	1B.1	California endemic. Known only from six extant occurrences along the San Gabriel River in the San Gabriel Mountains.  Granitic cliffs and canyon walls in chaparral, coastal scrub, lower montane coniferous forest, riparian and cismontane woodland; 800 to 2,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Dudleya multicaulis</i> many-stemmed dudleya	FSS, BLMS	1B.2	California endemic. Occurs in the south coast region from Los Angeles to San Diego.  Often in clay soils in chaparral, coastal scrub, and valley and foothill grassland; 50 to 2,600 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Eremogone macradenia</i> var. <i>arcuifolia</i> Forest Camp sandwort	FSS	--	California endemic. Occurs in the high Sierra Nevada, Sierra Nevada foothills, and the western transverse ranges including the San Gabriel Mountains.  Dry, often gravelly (decomposing granite) canyon slopes, dry yellow-pine and oak forests, ridges, summits; 2,100 to 7,900 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). Potentially suitable montane hardwood-conifer woodland vegetation community is present in the action area, but all of this community was surveyed and the species was not observed.
<i>Eriogonum kennedyi</i> var. <i>alpigenum</i> southern alpine buckwheat	FSS	1B.3	California endemic. Occurs in the San Gabriel and San Bernardino Mountains.  Granitic and gravelly soil in alpine boulder and rock fields, and subalpine coniferous forest; 8,500 to 11,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Eriogonum microtheca</i> var. <i>johnstonii</i> Johnston's buckwheat	FSS	1B.3	California endemic. Occurs in the San Gabriel and San Bernardino Mountains. Known from fewer than 10 occurrences, most in designated wilderness areas. ANF has adopted species management guidelines.  Rocky soil in upper montane and subalpine coniferous forest; 6,000 to 9,600 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Galium grande</i> San Gabriel bedstraw	FSS, BLMS	1B.2	California endemic. Occurs in the San Gabriel Mountains. ANF has adopted species management guidelines.  Chaparral, cismontane woodland, broad-leafed upland and lower montane coniferous forest; 1,400 to 4,900 feet elevation.	<b>Potential to Occur: Not Expected.</b> Potentially suitable chaparral and montane hardwood-conifer vegetation communities are present in the action area but no CNDDDB occurrences are documented within 10 miles of the action area. The nearest documented occurrence (Calflora 2019) was recorded in 1893 approximately 16 miles from the action area.
<i>Heuchera abramsii</i> Abram's alumroot	FSS	4.3	California endemic. Occurs in the San Gabriel Mountains.  Rocky soil in upper montane coniferous forest; 9,200 to 11,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.



Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Heuchera caespitosa</i> urn-flowered alumroot	FSS	4.3	California endemic. Occurs in the high Sierra Nevada, outer south coast ranges, western transverse ranges including the San Gabriel and San Bernardino Mountains.  Rocky soil in montane riparian forest, cismontane woodland, lower and upper montane coniferous forest; 3,800 to 8,700 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). Potentially suitable montane hardwood-conifer woodland vegetation community is present in the action area, but all of this community was surveyed and the species was not observed. Potentially suitable habitat in the action area is approximately 1,000 feet below the elevation range of the species.
<i>Horkelia cuneata</i> var. <i>puberula</i> mesa horkelia	FSS	1B.1	California endemic. Occurs in the outer south coast ranges, south coast, San Gabriel Mountains, peninsular ranges, and San Jacinto Mountains. Many historical occurrences extirpated.  Sandy and gravelly soils in maritime chaparral, cismontane woodland, and coastal scrub; 200 to 2,700 feet elevation.	<b>Potential to Occur: Low.</b> No presumed extant CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). The CCH documents an occurrence approximately three miles from the action area in upper Pacoima Canyon, recorded in 1929 (UC Berkeley 2019). Potentially suitable vegetation communities including chaparral and coastal scrub are present in the action area.
<i>Hulsea vestita</i> ssp. <i>gabrielensis</i> San Gabriel Mountains sunflower	FSS	4.3	California endemic. Occurs in the western transverse ranges including the San Gabriel Mountains.  Rocky soil in lower and upper montane coniferous forest; 4,920 to 8,200 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Hulsea vestita</i> ssp. <i>pygmaea</i> pygmy hulsea	FSS	1B.3	California endemic. Occurs in the high Sierra Nevada and the San Bernardino Mountains.  Granitic, gravelly, alpine boulder and rock field, subalpine coniferous forest; 9,300 to 12,800 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.

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<i>Imperata brevifolia</i> California satintail	FSS	2.B1	Occurs scattered throughout the California floristic province from the Cascade Range foothills south to the Mojave and Sonoran Deserts.  Mesic soils in chaparral, coastal scrub, Mojavean desert scrub, riparian scrub, meadows and seeps (often alkali); sea level to 4,000 feet elevation.	<b>Potential to Occur: Low.</b> One CNDDDB occurrence is located within 10 miles of the action area, documented in 2013 approximately six miles from the action area in Big Tujunga Canyon (CDFW 2019). Mesic soils and seep habitat are not mapped in the action area.
<i>Lepechinia fragrans</i> fragrant pitcher sage	FSS	4.2	California endemic. Occurs on south coast, Channel Islands, and western transverse ranges including the San Gabriel Mountains.  Chaparral at 50 to 4,300 feet elevation.	<b>Potential to Occur: Low.</b> Chaparral vegetation community is present in the action area. No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). However, there are CCH records within 10 miles of the action area east of Burbank (UC Berkeley 2019). The closest is approximately five miles from the action area and was documented in 1975. More recent occurrences are documented between eight and 10 miles from the action area.
<i>Lepechinia rossii</i> Ross' pitcher sage	FSS	1B.2	California endemic. Occurs in the western transverse ranges.  Chaparral; 1,000 to 2,600 feet elevation.	<b>Potential to Occur: Not Expected.</b> Habitat is present in the action area, but no CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). The nearest occurrence is located approximately 13 miles northwest of the action area in Ruby Canyon. No occurrences are documented in the San Gabriel Mountains (Calflora 2019).
<i>Lewisia brachycalyx</i> short-sepaled lewisia	FSS	2B.2	Occurs in the San Bernardino Mountains, peninsular ranges, and the San Jacinto Mountains.  Sandy, wet meadows, seeps, open conifer forest; 4,500 to 8,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.

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<i>Lilium parryi</i> lemon lily	FSS	1B.2	<p>Found from California to Arizona. In California it occurs in the western transverse ranges including the San Gabriel Mountains and the peninsular ranges. Most occurrences in Los Angeles County are very small. Nearly extirpated from San Diego County, where known from only a few plants at Palomar Mountain State Park.</p> <p>Mesic areas in upper and lower montane coniferous forest, meadows and seeps, and riparian forest; 4,000 to 9,000 feet elevation.</p>	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). Potentially suitable montane hardwood-conifer vegetation community is present in the action area, but all of this community was surveyed and the species was not observed. The montane hardwood-conifer woodland in the action area is more than 1,000 feet below the elevation range of the species.
<i>Linanthus concinnus</i> San Gabriel linanthus	FSS	1B.2	<p>California endemic. Occurs in the San Gabriel Mountains.</p> <p>Rocky openings in chaparral, lower and upper montane coniferous forest; 5,000 to 9,200 feet elevation.</p>	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Linanthus orcuttii</i> Orcutt's linanthus	FSS, BLMS	1B.3	<p>Occurs in San Bernardino Mountains of Riverside County and desert mountains in San Diego County.</p> <p>Chaparral, lower montane coniferous forest, pinyon and juniper woodland. Sometimes in disturbed areas, often in gravelly clearings; 3,000 to 7,000 feet elevation.</p>	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species. A documented occurrence in the San Gabriel Mountains is believed to be extirpated.
<i>Lupinus peirsonii</i> Peirson's lupine	FSS	1B.3	<p>California endemic. Known only from the San Gabriel Mountains.</p> <p>Gravelly to rocky soil in Joshua tree, pinyon and juniper woodland, lower and upper montane coniferous forest; 3,300 to 8,200 feet elevation.</p>	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). Potentially suitable montane hardwood-conifer woodland vegetation community is present in the action area, but all of this community was surveyed and the species was not observed. The montane hardwood-conifer woodland in the action area is approximately 500 feet below the elevation range of the species.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Monardella australis</i> ssp. <i>jokerstii</i> Jokerst's monardella	FSS	1B.1	California endemic. Known only from the San Gabriel Mountains  Steep scree or talus, stony benches on canyon bottoms in montane forest (or chaparral); 4,400 to 5,700 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Monardella macrantha</i> ssp. <i>hallii</i> Hall's monardella	FSS	1B.3	California endemic. Occurs in the San Bernardino Mountains and Peninsular Ranges.  Broad-leafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, valley and foothill grassland; 2,400 to 7,200 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Monardella saxicola</i> rock monardella	FSS	4.2	California endemic. Occurs in the San Gabriel Mountains.  Rocky, usually serpentinite soils in chaparral, closed-cone and lower montane coniferous forest; 1,600 to 5,900 feet elevation.	<b>Potential to Occur: Not Expected.</b> Potentially suitable vegetation communities including chaparral are present within the action area, but there are no reported CNDDDB occurrences within 10 miles of the action area (CDFW 2019). The nearest occurrence documented by Calflora was recorded in 1958 approximately 25 miles from the action area (Calflora 2019).
<i>Navarretia peninsularis</i> Baja navarretia	FSS	1B.2	Occurs from California to Arizona, and Baja California. In California it is found in the Tehachapi Mountains, western transverse ranges including the San Gabriel Mountains and peninsular ranges.  Mesic soils in chaparral openings, lower montane coniferous forest, meadows and seeps, and pinyon and juniper woodland; 4,900 to 7,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.

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<i>Nemacladus secundiflorus</i> <i>var. robbinsii</i> Robbins' nemacladus	FSS	1B.2	California endemic. Occurs in the high Sierra Nevada, inner south coast ranges, and western transverse ranges.  Openings in chaparral and valley and foothill grassland; 1,100 to 5,600 feet elevation.	<b>Potential to Occur: Low.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). One CCH record, documented in 2010, is located approximately 8.5 miles from the action area south of Palmdale (UC Berkeley 2019). Chaparral habitat is present in the action area.
<i>Opuntia basilaris</i> var. <i>brachyclada</i> short-joint beavertail	FSS, BLMS	1B.2	California endemic. Occurs in the San Gabriel and San Bernardino Mountains.  Chaparral, Mojavean desert scrub, Joshua tree, pinyon and juniper woodland; 1,400 to 5,900 feet elevation.	<b>Potential to Occur: Moderate.</b> Thirty-six CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). The closest, recorded in 2014, is approximately 0.4 mile from the action area. Chaparral vegetation community is present in the action area.
<i>Oreonana vestita</i> woolly mountain-parsley	FSS	1B.3	California endemic. Occurs in the San Gabriel and San Bernardino mountains.  Gravel or talus soil in lower, upper, and subalpine montane coniferous forest; 5,300 to 11,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Aphyllon validum</i> ssp. <i>validum</i> (also <i>Orobanche</i> <i>valida</i> ssp. <i>valida</i> ) Rock Creek broomrape	FSS	1B.2	California endemic. Occurs in the western transverse ranges including the San Gabriel Mountains.  Granitic soils in chaparral and pinyon and juniper woodland; 4,100 to 6,600 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Oxytropis oreophila</i> var. <i>oreophila</i> rock-loving oxytrope	FSS	2B.3	Occurs from California to Arizona and Utah. In California it is found in the San Bernardino Mountains.  Gravelly to rocky soils in subalpine coniferous forest and alpine boulder and rock fields; 11,100 to 12,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.

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<i>Parnassia cirrata</i> var. <i>cirrata</i> San Bernardino grass-of-Parnassus	FSS	1B.3	California endemic. Occurs in San Gabriel and San Bernardino mountains.  Mesic soils, streamsides, and sometimes calcareous soils in montane coniferous forest, meadows, and seeps; 4,100 to 8,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is below the known elevation range of the species.
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i> southern mountains skullcap (also southern skullcap)	FSS	1B.2	California endemic. Occurs in the San Bernardino Mountains, Peninsular Ranges, and east to the desert mountains and Mojave Desert.  Moist embankments of montane creeks, mesic chaparral, mesic cismontane woodland, and mesic lower montane coniferous forest; 1,400 to 6,600 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Sidalcea hickmanii</i> ssp. <i>pillsburiensis</i> Lake Pillsbury checkerbloom	FSS	1B.2	California endemic. Known only from vicinity of Lake Pillsbury in Lake County.  Chaparral. Openings in chaparral on Franciscan soils.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Sidalcea hickmanii</i> ssp. <i>parishii</i> Parish's checkerbloom	FSS, BLMS	1B.2	California endemic. Occurs in the outer south coast ranges and San Bernardino Mountains.  Chaparral, woodland, open conifer forest; 3,300 to 7,200 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Sidalcea neomexicana</i> Salt Spring checkerbloom	FSS	2B.2	Found from California to New Mexico and northern Mexico. In California it occurs throughout the south coast in the San Gabriel Mountains, San Bernardino Mountains, peninsular ranges, and east to the Mojave Desert.  Alkaline and mesic soils in springs and marshes; 50 to 5,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). No alkaline soils or springs or marshes are present in the action area.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Sidothea caryophylloides</i> chickweed oxythea (also chickweed starry puncturebract)	FSS	4.3	California endemic. Occurs in the high Sierra Nevada, San Gabriel Mountains, San Bernardino Mountains, and the San Jacinto Mountains  Sandy soil in lower montane coniferous forest; 3,600 to 8,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). Potentially suitable montane hardwood-conifer woodland vegetation community is present in the action area, but all of this community was surveyed and the species was not observed. Montane hardwood-conifer woodland in the action area is approximately 800 feet below the elevation range of the species.
<i>Sidothea emarginata</i> white-margined oxythea (also white margined starry puncturebract)	FSS	1B.3	California endemic. Occurs in the San Jacinto Mountains and surrounding desert areas in Riverside and San Diego County.  Chaparral, lower montane coniferous forest, pinyon and juniper woodland; 3,900 to 8,200 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is out of the known range for the species.
<i>Streptanthus campestris</i> southern jewelflower	FSS	1B.3	Found from California to Baja California. In California it occurs in the western transverse ranges including the San Gabriel and San Bernardino mountains and Peninsular Ranges  Open, rocky conifer forest, chaparral, woodland; 3,000 to 7,500 feet elevation.	<b>Potential to Occur: Not Expected.</b> Potentially suitable vegetation communities including chaparral are present in the action area, but no CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). The nearest occurrence is located approximately 16 miles northwest of the action area in Ruby Canyon. No occurrences are documented in the San Gabriel Mountains (Calflora 2019).
<i>Streptanthus cordatus</i> var. <i>piutensis</i> Piute Mountains jewelflower	FSS	1B.2	California endemic. Occurs in the southern Sierra Nevada and Tehachapi mountains in Kern County.  Clay or metamorphic soils in broadleaved upland forest, closed-cone coniferous forest, and pinyon and juniper woodland; 3,600 to 6,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). Potentially suitable montane hardwood-conifer woodland is present in the action area, but all of this community was surveyed and the species was not observed.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Stylocline masonii</i> Mason's neststraw	FSS, BLMS	1B.1	California endemic. Occurs in the Sierra Nevada foothills, San Joaquin Valley, outer south coast ranges, and western transverse ranges.  Sandy soil in chenopod scrub and pinyon and juniper woodland; 300 to 4,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> One CNDDDB occurrence is documented within 10 miles of the action area (CDFW 2019). This occurrence, recorded in 1991, is located approximately 5.5 miles from the action area. However, no chenopod scrub or pinyon or juniper woodland vegetation communities are present in the action area.
<i>Sulcaria badia</i> bay horsehair lichen	FSS	--	Distributed from Oregon south to Mendocino County.  Grows on trees in open oak and conifer woodlands, 150 to 2,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Symphytotrichum defoliatum</i> San Bernardino aster	FSS, BLMS	1B.2	California endemic. Occurs in the San Gabriel Mountains, San Bernardino Mountains, and the peninsular ranges.  Near ditches, streams, and springs in cismontane woodland, coastal scrub, lower montane coniferous forest, meadows and seeps, marshes and swamps, and vernal mesic valley and foothill grassland; 10 to 6,700 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). Potentially suitable coastal scrub and montane hardwood-conifer woodland vegetation communities are present, but seeps, marshes, and other mesic habitats preferred by the species are not documented in the action area.
<i>Tauschia howellii</i> Howell's tauschia	FSS	1B.3	Occurs in the Klamath Mountains of northern California and southern Oregon and in the Sierra range.  Subalpine coniferous forest, upper montane coniferous forest. Hot dry ridge summits and slopes in decomposed granite, gravel and red sand; 5,600 to 8,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known geographic and elevation ranges of the species.
<i>Thelypteris puberula</i> var. <i>sonorensis</i> Sonoran maiden fern	FSS	2B.2	Found from California to Arizona and southern Mexico. In California it occurs in the south coast, western transverse ranges including the San Gabriel Mountains, and the San Jacinto Mountains.  Meadows, seeps, and streams; 150 to 2,000 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). No seeps, wet meadows, or other suitable wetland habitats are documented in the action area.



Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Thermopsis californica</i> var. <i>semota</i> velvety false lupine	FSS, BLMS	1B.2	California endemic. Occurs in desert mountains in San Diego County.  Lower montane coniferous forest, meadows and seeps, cismontane woodland, valley and foothill grassland. Pine forests and meadow edges, on rocky slopes and outcrops, and along roadsides; 3,300 to 6,100 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Tracyina rostrata</i> beaked tracyina	FSS	1B.2	California endemic. Occurs in coast range mountains north of San Francisco Bay.  Cismontane woodland, valley and foothill grassland, chaparral. Open grassy meadows usually within oak woodland and grassland habitats; 500 to 2,600 feet elevation.	<b>Potential to Occur: Not Expected.</b> The action area is outside the known range of the species.
<i>Thysanocarpus rigidus</i> rigid fringe-pod	FSS	1B.2	Found from California to Baja California. In California it occurs in the Peninsular Ranges, Sonoran Desert, and Mojave Desert.  Dry rocky slopes in pinyon and juniper woodland; 2,000 to 7,200 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). No pinyon or juniper woodland vegetation communities are present in the action area.
<b>Invertebrates</b>				
<i>Callophrys mossii hidakupa</i> San Gabriel Mountains elfin	FSS	--	Occurs in the San Gabriel Mountains in Los Angeles and San Bernardino counties.  North facing slopes where the required host plant <i>Sedum spathulifolium</i> occurs. Host plant occurs on rock outcrops, usually in shade, at elevations of 170 to 8,200 feet elevation.	<b>Potential to Occur: Not Expected.</b> No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). The nearest observations of the species are reported from the vicinity of Hidden Springs, approximately 12 miles east of the action area. The range of the host plant is limited and concentrated on steep, north-facing slopes (USFS 1999).
<i>Plebejus saepiolus aureolus</i> San Gabriel Mountains blue butterfly	FSS	--	Only known from a single wet meadow near Big Pines.  Requires host plant clover <i>Trifolium wormskioldii</i> .	<b>Potential to Occur: Not expected.</b> The action area is outside the species' known range. The only known occurrence in the ANF is in the vicinity of Big Pines and the species is believed to be extirpated from this site.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Plebejus emigdionis</i> (also <i>Plebulina emigdionis</i> ) San Emigdio blue butterfly	FSS	--	Distributed in southern California between the southern San Joaquin Valley and Mojave Desert south to Victorville.  Closely associated with saltbush ( <i>Atriplex canescens</i> ). Habitat generally includes dry river courses, intermittent streambanks, and adjacent flats.	<b>Potential to Occur: Moderate.</b> The action area is in the species' known range, and colonies have been reported from Mint Canyon, approximately three miles west of the action area (USFS 1999). The host plant is widespread in the vicinity of the action area (Calflora 2019), but the distribution of the species is more localized than that of its host (USFS 2019).
<b>Fish</b>				
<i>Gila orcuttii</i> arroyo chub	FSS	SSC	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave, and San Diego river basins.  The species inhabits slow moving reaches and backwaters of cool to warm water streams (50–74°F). They are commonly found over sand and silt substrates, and are known to be able to tolerate hypoxic conditions and elevated temperatures typical of southern California stream habitats.	<b>Potential to Occur: Not Expected.</b> No suitable aquatic habitats are present in the action area (Authority and FRA 2019a).
<i>Rhinichthys osculus</i> Santa Ana speckled dace	FSS	SSC	Headwaters of the Santa Ana and San Gabriel rivers. May be extirpated from the Los Angeles River system.  The species inhabits shallow riffles of cool perennial stream habitats, and prefers cobble substrates. In streams where riffles are interspersed with run and pool habitats, the species will concentrate in the riffle habitat.	<b>Potential to Occur: Not Expected.</b> No suitable aquatic habitats are present in the action area (Authority and FRA 2019a).
<b>Amphibians</b>				
<i>Batrachoseps gabrieli</i> San Gabriel Mountains slender salamander	FSS	--	Known only from the San Gabriel Mountains.  Downed woody debris, ferns; 3,400 to 5,000 feet elevation.	<b>Potential to Occur: Not expected.</b> The action area is outside of the species' known range. The species is only known from higher elevation areas of San Gabriel Canyon.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Ensatina eschscholtzii croceata</i> yellow-blotched salamander	FSS, BLMS	--	Distributed between the lower Kern River Canyon and the Tehachapi Mountains.  Oak/conifer woody debris. Rather generalized: black/blue/canyon oak to pine and fir. Exposed shallow pools with a sand or gravel base are used for breeding. Breeding pools must occur in the vicinity of a braided sandy channel with shorelines made of stable, sandy terraces.	<b>Potential to Occur: Not expected.</b> The action area is outside the species' known range. This species has not been found in the San Gabriel Mountains.
<b>Reptiles</b>				
<i>Actinemys pallida</i> (also <i>Actinemys marmorata</i> and <i>Emys marmorata</i> ) southwestern pond turtle (also western pond turtle)	FSS, BLMS	SSC	Historically occurred in most Pacific slope drainages between the Oregon and Mexico borders. Still present in suitable habitats west of the Sierra-Cascade crest.  Ponds, marshes, rivers, streams, irrigation ditches, vernal pools. Needs basking sites such as partially submerged logs or rocks, and suitable upland habit (sandy banks or grassy open fields) for egg laying. Fresh, brackish, or saltwater conditions.	<b>Potential to Occur: Moderate.</b> The action area is in the species' known range, and seven CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). The closest of these, reported in 1990, is located approximately 0.2 mile from the action area north of the intersection of SR 14 and Agua Dulce Rd. An occurrence reported in 2009 is approximately 3.3 miles from the action area in Pacoima Canyon. However, little perennial aquatic habitat is present in the action area.

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Anniella pulchra</i> California legless lizard	FSS	SSC	Ranges from the vicinity of Antioch (Contra Costa County) south through the Coast, Transverse, and Peninsular Ranges into Baja California, Mexico.  Semi-stabilized sand dunes, areas with sandy soil, and high moisture content, vegetated with oak or pine-oak woodland, chaparral; also wooded stream edges, and occasionally desert-scrub. Bush lupine ( <i>Lupinus albifrons</i> ) often is an indicator of suitable conditions. Often found in leaf litter, under rocks, logs, and driftwood.	<b>Potential to Occur: High.</b> Eight CNDDDB occurrences of <i>Anniella pulchra</i> are documented within 10 miles of the action area (CDFW 2019), all located north of SR 14 and southwest of Lake Palmdale. The closest of these, reported in 2009, is approximately 8.5 miles from the action area. An additional 29 presumed extant occurrences reported as <i>Anniella</i> sp. are located within 10 miles of the action area, including one, reported in 2016, that overlaps the action area near Sand Canyon Rd. Suitable habitat is present in the action area.
<i>Diadophis punctatus modestus</i> San Bernardino ring-necked snake	FSS	--	Occurs in southern Ventura and Los Angeles, San Bernardino, Orange, and Riverside counties.  Moist habitats in forest, chaparral, woodland, grassland, farms, and gardens. Under debris with moist microsites.	<b>Potential to Occur: Low.</b> The action area is in the species' known range, and suitable habitat is present in the habitat study area. There are no reported CNDDDB occurrences within 10 miles of the project footprint (CDFW 2019). Reported occurrences are from significantly south and east of the action area (USFS 2019).
<i>Lampropeltis multifasciata</i> (also <i>Lampropeltis zonata parvirubra</i> ) coast mountain kingsnake (also known as San Bernardino mountain kingsnake)	FSS	--	Restricted to the San Gabriel, San Bernardino, and San Jacinto mountains in southern California.  A habitat generalist, found in diverse habitats including coniferous forest, oak-pine woodlands, riparian woodland, chaparral, manzanita, and coastal sage scrub. Prefers wooded areas near streams with rock outcrops, talus, or rotting logs that are exposed to the sun. Ranges from 800 to 9,000 feet elevation.	<b>Potential to Occur: Moderate.</b> The action area is in the species' known range, and suitable habitat is present in the action area. No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). One individual was observed in April 2016 at the E1B1 geotechnical boring site, located along the Santa Clara Divide Road approximately 5.3 miles east of the action area (Authority and FRA 2019b).

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Lichanura orcutti</i> (also <i>Lichanura trivirgata</i> <i>roseofusca</i> )  rosy boa (also known as, coastal rosy boa)	FSS	--	Occurs in southwestern California on the coastal slopes of the San Gabriel and San Bernardino Mountains, in the peninsular ranges, and the desert of San Diego County  Suitable habitats include desert, arid scrub, rocky chaparral covered hillsides and canyons where moisture is available as around springs, streams and canyon floors. Occurs below 4,000 feet elevation.	<b>Potential to Occur: Moderate.</b> The action area is in the species' known range, and suitable habitat is present in the action area. No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). A 2018 observation of the species is recorded in iNaturalist (iNaturalist 2019) approximately 9.5 miles east of the action area near Big Tujunga Reservoir.
<i>Thamnophis hammondi</i>  two-striped garter snake	FSS, BLMS	SSC	Distributed throughout the South Coast and Peninsular Ranges west of the San Joaquin Valley from near Salinas south into Baja California, Mexico.  Inhabits perennial and intermittent streams with rocky beds and bordered by willow thickets or other dense vegetation.	<b>Potential to Occur: Moderate.</b> The action area is in the species' known range, and suitable habitat is present in the action area. Eight CNDDDB occurrences are documented within 10 miles of the action area. The closest, reported in 2001, is located approximately 0.9 mile east of the action area in Soledad Canyon (CDFW 2019). A two-striped garter snake was observed in 2017 by biologists conducting California red-legged frog protocol surveys at Gold Creek, approximately one mile from the action area. Little perennial water is present in the action area.
<b>Birds</b>				
<i>Accipiter gentilis</i>  northern goshawk	FSS, BLMS	SSC	In southern California, occurs during the breeding season only on Mount Abel, Mount Pinos, and in the San Bernardino and San Jacinto mountains.  Nests and roosts in older stands of red fir, Jeffrey pine, Ponderosa pine, lodgepole pine, Douglas fir, and mixed conifer forests.	<b>Potential to Occur: Not expected.</b> The action area is in the species' known nesting range, but there is no suitable nesting habitat in the action area. No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019).

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Haliaeetus leucocephalus</i> Bald eagle	FSS	SE, FP	Distributed throughout most of California along rivers, lakes, rangelands, and some coastal wetlands.  Breeding habitat includes mountain forests and woodlands near a water source.	<b>Potential to Occur: High</b> as a transient, <b>Not Expected</b> as a breeding species. The action area is in the species' known range, and open water suitable as foraging habitat is present at Pacoima Reservoir, approximately one mile south of the action area. Several recent observations of bald eagle have been made at Lake Palmdale (2016), Big Tujunga Wash (2016), and Hansen Dam (2015) (eBird 2019). Bald eagles have attempted to nest in the ANF, at San Gabriel Reservoir approximately 28 miles east of the action area (eBird 2019). No nesting habitat is present in the action area.
<i>Strix occidentalis occidentalis</i> California spotted owl	FSS, BLMS	SSC	In southern California, clustered in disjunct mountain and foothill areas where suitable habitat exists.  Mature forest with suitable nesting trees. In southern California, occurs in oak and oak-conifer habitats in addition to mature conifer forest.	<b>Potential to Occur: Not expected.</b> The habitat study area is in the species' known nesting range, but there is no suitable nesting habitat in the action area. No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). The action area does not overlap with known territories.
<i>Vireo vicinior</i> gray vireo	FSS, BLMS	SSC	Occurs in Southern California in Los Angeles, Riverside, and San Diego counties almost exclusively during the breeding season from March through August or September.  Pinyon-juniper woodland or montane chaparral dominated by chamise, redshank, and ceanothus.	<b>Potential to Occur: Low.</b> The action area is in the species' known range, and suitable nesting habitat is present in the action area. No reported CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019). A 2016 observation of gray vireo is reported by eBird in the action area near the Bear Divide Vista Picnic Site (eBird 2019).

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<b>Mammals</b>				
<i>Antrozous pallidus</i> pallid bat	FSS, BLMS	SSC	Ranges throughout California, primarily at elevations below 6,000 feet.  Forages in open areas of grasslands, shrublands, woodlands, and forests from sea level up through mixed conifers. Roosts in crevasses in trees, structures, and rock.	<b>Potential to Occur: Moderate.</b> The action area is in the species' known range, and suitable roosting habitat is present in the action area. There are no recent (past 30 years) CNDDDB occurrences documented within 10 miles of the action area (CDFW 2019).
<i>Plecotus townsendii</i> (also <i>Corynorhinus townsendii</i> ) Townsend's big-eared bat	FSS, BLMS	SSC	Distributed throughout California.  Found in a variety of habitats throughout the state where appropriate roosting habitat exists. Primarily roosts in caves and cavern-like spaces; also include in abandoned buildings, mines, culverts, box-like spaces in bridges and other structures, and large hollows in trees.	<b>Potential to Occur: High.</b> The action area is in the species' known range, and suitable roosting habitat is present in the action area. Townsend's big-eared bat occurrences have been documented in Soledad Canyon. However, these occurrences were from the 1940s (CDFW 2019). Two suitable roosting caves were observed at the Vulcan Mine during wildlife habitat assessment surveys in 2016 and 2017 (Authority and FRA 2019b).
<i>Myotis thysanodes</i> fringed myotis	FSS, BLMS	--	Widely distributed throughout the western U.S., Mexico, and Canada  Low desert scrub to high- elevation coniferous forests. Roosts include rock crevices, tree hollows, mines, caves, and structures.	<b>Potential to Occur: Not Expected.</b> The action area is in the species' known geographic range, but below its elevational range. In southern California, fringed myotis is restricted to habitats above approximately 4,600 feet (Los Padres Forest Watch 2019). No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019).

Scientific Name Common Name	Federal Status	State Status	General Location/Habitat	Potential to Occur in the Action Area and Rationale for Determination
<i>Ovis canadensis nelsoni</i> Nelson's bighorn sheep	FSS, BLMS	FP	Widely distributed from the White Mountains in Mono County to the Chocolate Mountains in Imperial County.  Steep slope (>80%) with abundant rock outcrops and sparse shrubs for escape terrain. Escarpment chaparral with ceanothus, mountain mahogany associations for foraging. Range from 3,000 to 10,000 feet elevation.	<b>Potential to Occur: Not expected.</b> The action area is in the species' known range, but the species generally occurs at higher elevation. No CNDDDB occurrences are documented within 10 miles of the action area (CDFW 2019).
<i>Perognathus alticola inexpectatus</i> Tehachapi pocket mouse	FSS	SSC	Tehachapi Pass to Elizabeth Lake in San Gabriel Mountains. Arid grassland, scrub, pine woodland; 3,500 to 6,000 feet elevation.	<b>Potential to Occur: Not expected.</b> The action area is outside the known range of the species.

Abbreviations:

- ANF – Angeles National Forest
- Authority and FRA = California High-Speed Rail Authority and Federal Rail Administration
- BLMS – Bureau of Land Management Sensitive
- CCH – Consortium of California Herbaria Database
- CDFW – California Department of Fish and Wildlife
- CNDDDB – California Natural Diversity Database
- CNPS: California Native Plant Society Rare Plant Rank:
  - 1B: Considered rare, threatened, or endangered in California and elsewhere
  - 2: Plants rare, threatened, or endangered in California, but more common elsewhere
  - 3: Plants for which we need more information – review list
  - 4: Plants of limited distribution a watch list
- Decimal notations: .1 – Seriously endangered in California, .2 – Fairly endangered in California, .3 – Not very endangered in California
- FSS – Forest Service Sensitive
- FP – Fully Protected species designated by the CDFW
- SE – Endangered
- SR – State Route
- SSC – California Species of Special Concern designated by the CDFW
- ssp. – subspecies
- USFS – United States Forest Service
- var. – variety

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