

Appendix B10-3

Special-Status Species Tables

Table 1a Special-Status Plant Species Known or with Potential to Occur in the Central California Coast Ecological Section (261A) within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Acanthomintha duttonii</i>	San Mateo thorn-mint	E	E	1B.1	Chaparral, valley and foothill grassland. Uncommon serpentinite vertisol clays; in relatively open areas. 164 to 984 ft in elevation. Blooms April-June.
<i>Amsinckia grandiflora</i>	large-flowered fiddleneck	E	E	1B.1	Cismontane woodland, valley and foothill grassland. Annual grassland in various soils. 902 to 1804 ft in elevation. Blooms (March), April-May.
<i>Arctostaphylos hookeri</i> ssp. <i>hearstiorum</i>	Hearsts' manzanita		E	1B.2	Chaparral, coastal prairie, coastal scrub, valley foothill grassland. On terraces, on sandy loam; also known from stabilized dunes and from serpentine (in one case). 197 to 509 ft in elevation. Blooms February-April.
<i>Arctostaphylos imbricata</i>	San Bruno Mountain manzanita		E	1B.1	Chaparral, coastal scrub. Mostly known from a few sandstone outcrops in chaparral. 902 to 1214 ft in elevation. Blooms February-May.
<i>Arctostaphylos morroensis</i>	Morro manzanita	T		1B.1	Chaparral, cismontane woodland, coastal dunes, coastal scrub. On Baywood sands, usually with chaparral associates. 98 to 410 ft in elevation. Blooms December-March.
<i>Arctostaphylos pacifica</i>	Pacific manzanita		E	1B.1	Coastal scrub, chaparral. 0 to 0 ft in elevation. Blooms February-April.
<i>Arctostaphylos pallida</i>	pallid manzanita	T	E	1B.1	Broadleafed upland forest, closed-cone coniferous forest, chaparral, cismontane woodland, coastal scrub. Grows on uplifted marine terraces on siliceous shale or thin chert. May require fire. 591 to 1509 ft in elevation. Blooms December-March.
<i>Arenaria paludicola</i>	marsh sandwort	E	E	1B.1	Marshes and swamps. Growing up through dense mats of <i>Typha</i> , <i>Juncus</i> , <i>Scirpus</i> , etc. in freshwater marsh. Sandy soil. 10 to 558 ft in elevation. Blooms May-August.
<i>Astragalus tener</i> var. <i>titi</i>	coastal dunes milk-vetch	E	E	1B.1	Coastal bluff scrub, coastal dunes, coastal prairie. Moist, sandy depressions of bluffs or dunes along and near the Pacific Ocean; one site on a clay terrace. 3 to 148 ft in elevation. Blooms March-May.
<i>Bloomeria humilis</i>	dwarf goldenstar		R	1B.2	Coastal bluff scrub, chaparral, valley and foothill grassland. Known mainly from Arroyo de La Cruz area on coastal bluffs. 33 to 197 ft in elevation. Blooms June.
<i>Castilleja affinis</i> var. <i>neglecta</i>	Tiburon paintbrush	E	T	1B.2	Valley and foothill grassland. Rocky serpentine sites. 394 to 1312 ft in elevation. Blooms April-June.
<i>Ceanothus ferrisiae</i>	Coyote ceanothus	E		1B.1	Chaparral, valley and foothill grassland, coastal scrub. Serpentine sites in the Mt. Hamilton range. 492 to 1509 ft in elevation. Blooms January-May.
<i>Ceanothus hearstiorum</i>	Hearsts' ceanothus		R	1B.2	Maritime chaparral, coastal prairie, coastal scrub. In grassland or chaparral, sometimes w/ <i>Arctostaphylos cruzensis</i> . 230 to 1001 ft in elevation. Blooms March-April.
<i>Ceanothus maritimus</i>	maritime ceanothus		R	1B.2	Coastal bluff scrub, chaparral, valley and foothill grassland. Often at edges of coastal sage scrub and scattered in grassland; some populations on serpentine. 33 to 492 ft in elevation. Blooms January-April.
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's-beak	E	E	1B.2	Marshes and swamps, coastal dunes, salt marsh, wetland. Limited to the higher zones of salt marsh habitat. 0 to 33 ft in elevation. Blooms May-October.
<i>Chorizanthe pungens</i> var. <i>hartwegiana</i>	Ben Lomond spineflower	E		1B.1	Lower montane coniferous forest. Zayante coarse sands in maritime ponderosa pine sandhills. 344 to 1558 ft in elevation. Blooms April-July.
<i>Chorizanthe pungens</i> var. <i>pungens</i>	Monterey spineflower	T		1B.2	Coastal dunes, chaparral, cismontane woodland, coastal scrub, valley and foothill grassland. Sandy soils in coastal dunes or more inland within chaparral or other habitats. 0 to 558 ft in elevation. Blooms April-June (July),(August).
<i>Chorizanthe robusta</i> var. <i>hartwegii</i>	Scotts Valley spineflower	E		1B.1	Meadows, valley and foothill grassland. In grasslands with mudstone and sandstone outcrops. 344 to 804 ft in elevation. Blooms April-July.
<i>Chorizanthe robusta</i> var. <i>robusta</i>	robust spineflower	E		1B.1	Cismontane woodland, coastal dunes, coastal scrub, chaparral. Sandy terraces and bluffs or in loose sand. 30 to 804 ft in elevation. Blooms April-September.
<i>Cirsium fontinale</i> var. <i>fontinale</i>	Crystal Springs fountain thistle	E	E	1B.1	Valley and foothill grassland, chaparral, cismontane woodland, meadows and seeps, ultramafic, wetland. Serpentine seeps and grassland. 148 to 607 ft in elevation. Blooms (April), May-October.
<i>Cirsium fontinale</i> var. <i>obispoense</i>	San Luis Obispo fountain thistle	E	E	1B.2	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland, ultramafic. Serpentine seeps. 16 to 1263 ft in elevation. Blooms February-July (August),(September).
<i>Cirsium rhotophilum</i>	surf thistle		T	1B.2	Coastal dunes, coastal bluff scrub. Open areas in central dune scrub; usually in coastal dunes. 10 to 197 ft in elevation. Blooms April-June.
<i>Cirsium scariosum</i> var. <i>loncholepis</i>	La Graciosa thistle	E	T	1B.1	Coastal dunes, coastal scrub, brackish marshes, valley and foothill grassland, cismontane woodland. Lake edges, riverbanks, other wetlands; often in dune areas. Mesic, sandy sites. 13 to 722 ft in elevation. Blooms May-August.
<i>Clarkia franciscana</i>	Presidio clarkia	E	E	1B.1	Coastal scrub, valley and foothill grassland. Serpentine outcrops in grassland or scrub. 66 to 1001 ft in elevation. Blooms May-July.
<i>Clarkia speciosa</i> ssp. <i>immaculata</i>	Pismo clarkia	E	R	1B.1	Chaparral, cismontane woodland, valley and foothill grassland. On ancient sand dunes not far from the coast. Sandy soils, openings. 82 to 607 ft in elevation. Blooms May-July.
<i>Cordylanthus nidularius</i>	Mt. Diablo bird's-beak		R	1B.1	Chaparral. Grassy or rocky areas within serpentine chaparral. 1591 to 2411 ft in elevation. Blooms June-August.
<i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	seaside bird's-beak		E	1B.1	Closed-cone coniferous forest, chaparral, cismontane woodland, coastal scrub, coastal dunes. Sandy, often disturbed sites, usually within chaparral or coastal scrub. 98 to 1706 ft in elevation. Blooms April-October.
<i>Deinandra increscens</i> ssp. <i>villosa</i>	Gaviota tarplant	E	E	1B.1	Coastal scrub, valley and foothill grassland, coastal bluff scrub. Known from coastal terrace near Gaviota; sandy blowouts amid sandy loam soil; grassland/coast scrub ecotone. 33 to 1411 ft in elevation. Blooms May-October.
<i>Dithyrea maritima</i>	beach spectaclepod		T	1B.1	Coastal dunes, coastal scrub. Sea shores, on sand dunes, and sandy places near the shore. 10 to 213 ft in elevation. Blooms March-May.
<i>Dudleya abramsii</i> ssp. <i>setchellii</i>	Santa Clara Valley dudleya	E		1B.1	Valley and foothill grassland, cismontane woodland. On rocky serpentine outcrops and on rocks within grassland or woodland. 197 to 1493 ft in elevation. Blooms April-October.
<i>Eriodictyon altissimum</i>	Indian Knob mountainbalm	E	E	1B.1	Chaparral (maritime), cismontane woodland, coastal scrub. Ridges in open, disturbed areas within chaparral on Pismo sandstone. 295 to 886 ft in elevation. Blooms March-June.
<i>Eriophyllum latilobum</i>	San Mateo woolly sunflower	E	E	1B.1	Cismontane woodland, coastal scrub, lower montane coniferous forest. Often on roadcuts; found on and off of serpentine. 98 to 2001 ft in elevation. Blooms May-June.
<i>Erysimum menziesii</i>	Menzies' wallflower	E	E	1B.1	Coastal dunes. Localized on dunes and coastal strand. 3 to 82 ft in elevation. Blooms March-September.

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<i>Erysimum teretifolium</i>	Santa Cruz wallflower	E	E	1B.1	Lower montane coniferous forest, chaparral. Inland marine sands (Zayante coarse sand). 591 to 1690 ft in elevation. Blooms March-July.
<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>	Monterey gilia	E	T	1B.2	Coastal dunes, coastal scrub, chaparral (maritime), cismontane woodland. Sandy openings in bare, wind-sheltered areas. Often near dune summit or in the hind dunes; two records from Pleistocene inland dunes. 16 to 804 ft in elevation. Blooms April-June.
<i>Hesperocyparis abramsiana</i> var. <i>abramsiana</i>	Santa Cruz cypress	T	E	1B.2	Chaparral, closed-cone coniferous forest, lower montane coniferous forest. Restricted to the Santa Cruz Mountains, on sandstone and granitic-derived soils; often w/ <i>Pinus attenuata</i> , redwoods. 984 to 3560 ft in elevation.
<i>Hesperocyparis goveniana</i>	Gowen cypress	T		1B.2	Closed-cone coniferous forest, chaparral. Coastal terraces; usually in sandy soils; sometimes with Monterey pine, bishop pine. 328 to 410 ft in elevation.
<i>Hesperolinon congestum</i>	Marin western flax	T	T	1B.1	In serpentine barrens and in serpentine valley and foothill grassland and chaparral. 197 to 1214 ft in elevation. Blooms April-July.
<i>Holocarpha macradenia</i>	Santa Cruz tarplant	T	E	1B.1	Coastal prairie, coastal scrub, valley and foothill grassland. Light, sandy soil or sandy clay; often with nonnatives. 33 to 722 ft in elevation. Blooms June-October.
<i>Lasthenia conjugens</i>	Contra Costa goldfields	E		1B.1	Valley and foothill grassland, vernal pools, alkaline playas, swales, low depressions, cismontane woodland. 3 to 1476 ft in elevation. Blooms March-June.
<i>Layia carnosa</i>	beach layia	E	E	1B.1	Coastal dunes, coastal scrub. On sparsely vegetated, semi-stabilized dunes, usually behind foredunes. 0 to 98 ft in elevation. Blooms March-July.
<i>Limnanthes douglasii</i> ssp. <i>sulphurea</i>	Point Reyes meadowfoam		E	1B.2	Marshes and swamps (freshwater), vernal pools, and seeps. Vernal wet depressions in open rolling, coastal prairies and meadows; typically in dark clay soil. 33 to 410 ft in elevation. Blooms March-May.
<i>Lupinus nipomensis</i>	Nipomo Mesa lupine	E	E	1B.1	Coastal dunes. Dry sandy flats, restricted to back dunes, associated with central dune scrub habitat - a rare community type. 33 to 164 ft in elevation. Blooms December-May.
<i>Lupinus tidestromii</i>	Tidestrom's lupine	E	E	1B.1	Coastal dunes. Partially stabilized dunes, immediately near the ocean. 13 to 82 ft in elevation. Blooms April-June.
<i>Nasturtium gambelii</i>	Gambel's water cress	E	T	1B.1	Marshes and swamps. Freshwater and brackish marshes at the margins of lakes and along streams, in or just above the water level. 16 to 1083 ft in elevation. Blooms April-October.
<i>Oenothera deltoides</i> ssp. <i>howellii</i>	Antioch Dunes evening-primrose	E	E	1B.1	Interior dunes. Remnant river bluffs and sand dunes east of Antioch. 0 to 98 ft in elevation. Blooms March-September.
<i>Pedicularis dudleyi</i>	Dudley's lousewort		R	1B.2	Valley and foothill grassland. Deep shady woods of older north coast redwood forests; also in maritime chaparral. 197 to 2953 ft in elevation. Blooms April-June.
<i>Pentachaeta bellidiflora</i>	white-rayed pentachaeta	E	E	1B.1	Valley and foothill grassland, cismontane woodland. Open dry rocky slopes and grassy areas, often on soils derived from serpentine bedrock. 115 to 2001 ft in elevation. Blooms March-May.
<i>Piperia yadonii</i>	Yadon's rein orchid	E		1B.1	Closed-cone coniferous forest, chaparral, coastal bluff scrub. On sandstone and sandy soil, but poorly drained and often dry. 33 to 1657 ft in elevation. Blooms (February), May-August.
<i>Plagiobothrys diffusus</i>	San Francisco popcornflower		E	1B.1	Valley and foothill grassland, coastal prairie. Historically from grassy slopes with marine influence. 148 to 1181 ft in elevation. Blooms March-June.
<i>Polygonum hickmanii</i>	Scotts Valley polygonum	E	E	1B.1	Valley and foothill grassland. Purisima sandstone or mudstone with a thin soil layer; vernal moist due to runoff. 689 to 755 ft in elevation. Blooms May-August.
<i>Potentilla hickmanii</i>	Hickman's cinquefoil	E	E	1B.1	Coastal bluff scrub, closed-cone coniferous forest, meadows and seeps, marshes and swamps. Freshwater marshes, seeps, and small streams in open or forested areas along the coast. 16 to 410 ft in elevation. Blooms April-August.
<i>Sanicula maritima</i>	adobe sanicle		R	1B.1	Meadows and seeps, valley and foothill grassland, chaparral, coastal prairie. Moist clay or ultramafic soils. 98 to 787 ft in elevation. Blooms February-May.
<i>Sanicula saxatilis</i>	rock sanicle		R	1B.2	Broadleaved upland forest, chaparral, valley and foothill grassland. Bedrock outcrops and talus slopes in chaparral or oak woodland habitat. 2198 to 4101 ft in elevation. Blooms April-May.
<i>Sidalcea hickmanii</i> ssp. <i>anomala</i>	Cuesta Pass checkerbloom		R	1B.2	Closed-cone coniferous forest, chaparral rocky serpentine soil; associated with Sargent cypress forest. 1969 to 2625 ft in elevation. Blooms May-June.
<i>Streptanthus albidus</i> ssp. <i>albidus</i>	Metcalf Canyon jewelflower	E		1B.1	Valley and foothill grassland. Relatively open areas in dry grassy meadows on serpentine soils; also on serpentine balds. 148 to 2625 ft in elevation. Blooms April-July.
<i>Suaeda californica</i>	California seablite	E		1B.1	Marshes and swamps. Margins of coastal salt marshes. 0 to 16 ft in elevation. Blooms July-October.
<i>Trifolium amoenum</i>	two-fork clover	E		1B.1	Valley and foothill grassland, coastal bluff scrub. Sometimes on serpentine soil, open sunny sites, swales. Most recently cited on roadside and eroding cliff face. 16 to 1017 ft in elevation. Blooms April-June.
<i>Trifolium polyodon</i>	Pacific Grove clover		R	1B.1	Closed-cone coniferous forest, meadows and seeps, coastal prairie, valley and foothill grassland. Along small springs and seeps in grassy openings. 16 to 394 ft in elevation. Blooms April-June (July).
<i>Trifolium trichocalyx</i>	Monterey clover	E	E	1B.1	Closed-cone coniferous forest. Openings, burned areas, and roadsides. Sandy soils. 197 to 689 ft in elevation. Blooms April-June.
California Rare Plant Ranked					
<i>Abies bracteata</i>	bristlecone fir			1B.3	Old growth. Lower montane coniferous forest, broadleaved upland forest, chaparral, riparian woodland. Rocky sites in Monterey and San Luis Obispo counties. 591 to 5102 ft in elevation.
<i>Agrostis blasdalei</i>	Blasdale's bent grass			1B.2	Coastal dunes, coastal bluff scrub, coastal prairie. Sandy or gravelly soil close to rocks; often in nutrient-poor soil with sparse vegetation. 16 to 1198 ft in elevation. Blooms May-July.
<i>Agrostis hooveri</i>	Hoover's bent grass			1B.2	Chaparral, cismontane woodland, closed-cone coniferous forest, valley and foothill grassland. Sandy sites. 197 to 2510 ft in elevation. Blooms April-July.
<i>Allium hickmanii</i>	Hickman's onion			1B.2	Closed-cone coniferous forest, chaparral, coastal scrub, coastal prairie, cismontane woodland. Sandy loam, damp ground and vernal swales; mostly in grassland though can be associated with chaparral or woodland. 16 to 656 ft in elevation. Blooms March-May.
<i>Allium peninsulare</i> var. <i>franciscanum</i>	Franciscan onion			1B.2	Cismontane woodland, valley and foothill grassland. Clay soils; often on serpentine; sometimes on volcanics. Dry hillsides. 16 to 1148 ft in elevation. Blooms (April), May-June.

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<i>Amsinckia lunaris</i>	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
<i>Arctostaphylos andersonii</i>	Anderson's manzanita			1B.2	Broadleaved upland forest, chaparral, north coast coniferous forest. Open sites, redwood forest. 197 to 2493 ft in elevation. Blooms November-May.
<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita			1B.3	Chaparral, cismontane woodland. In canyons and on slopes. On sandstone. 591 to 1854 ft in elevation. Blooms January-March.
<i>Arctostaphylos cruzensis</i>	Arroyo de la Cruz manzanita			1B.2	Broadleaved upland forest, coastal bluff scrub, closed-cone coniferous forest, chaparral, coastal scrub, and valley and foothill grassland. On sandy soils. 197 to 1017 ft in elevation. Blooms December-March.
<i>Arctostaphylos edmundsii</i>	Little Sur manzanita			1B.2	Coastal bluff scrub, chaparral. Forming mounds on sandy terraces on ocean bluffs. 98 to 312 ft in elevation. Blooms November-April (May).
<i>Arctostaphylos glutinosa</i>	Schreiber's manzanita			1B.2	Closed-cone coniferous forest, chaparral. Mudstone or diatomaceous shale outcrops; often with <i>Pinus attenuata</i> . 558 to 2247 ft in elevation. Blooms (November), March-April.
<i>Arctostaphylos hookeri</i> ssp. <i>hookeri</i>	Hooker's manzanita			1B.2	Chaparral, coastal scrub, closed-cone coniferous forest, cismontane woodland. Sandy soils, sandy shales, sandstone outcrops. 197 to 1755 ft in elevation. Blooms January-June.
<i>Arctostaphylos luciana</i>	Santa Lucia manzanita			1B.2	Chaparral, cismontane woodland. On shale (one site says serpentine) outcrops, on slopes, in chaparral. 344 to 2608 ft in elevation. Blooms December-March.
<i>Arctostaphylos manzanita</i> ssp. <i>laevigata</i>	Contra Costa manzanita			1B.2	Chaparral. Rocky slopes. 492 to 2001 ft in elevation. Blooms January-March (April).
<i>Arctostaphylos montaraensis</i>	Montara manzanita			1B.2	Chaparral, coastal scrub. Slopes and ridges. 886 to 1509 ft in elevation. Blooms January-March.
<i>Arctostaphylos montereyensis</i>	Toro manzanita			1B.2	Chaparral, cismontane woodland, coastal scrub. Sandy soil, usually with chaparral associates. 246 to 2411 ft in elevation. Blooms February-March.
<i>Arctostaphylos ohloneana</i>	Ohlone manzanita			1B.1	Coastal scrub, closed cone coniferous forests. Monterey shale. 1476 to 1739 ft in elevation. Blooms February-March.
<i>Arctostaphylos osoensis</i>	Oso manzanita			1B.2	Chaparral, cismontane woodland. Usually occurs in openings w/in oak woodland on dacite porphyry buttes. 591 to 902 ft in elevation. Blooms February-March.
<i>Arctostaphylos pajaroensis</i>	Pajaro manzanita			1B.1	Chaparral. Sandy soils. 98 to 509 ft in elevation. Blooms December-March.
<i>Arctostaphylos pechoensis</i>	Pecho manzanita			1B.2	Closed-cone coniferous forest, chaparral, coastal scrub. Grows on siliceous shale with other chaparral associates. 197 to 2805 ft in elevation. Blooms November-March.
<i>Arctostaphylos pilosula</i>	Santa Margarita manzanita			1B.2	Closed-cone coniferous forest, chaparral, broadleaved upland forest, cismontane woodland. Shale outcrops and slopes; reported growing on decomposed granite or sandstone. 197 to 4003 ft in elevation. Blooms December-May.
<i>Arctostaphylos pumila</i>	sandmat manzanita			1B.2	Closed-cone coniferous forest, chaparral, cismontane woodland, coastal dunes, coastal scrub. On sandy soil with other chaparral associates. 10 to 689 ft in elevation. Blooms February-May.
<i>Arctostaphylos regismontana</i>	Kings Mountain manzanita			1B.2	Broadleaved upland forest, chaparral, north coast coniferous forest. Granitic or sandstone outcrops. 787 to 2313 ft in elevation. Blooms December-April.
<i>Arctostaphylos rudis</i>	sand mesa manzanita			1B.2	Chaparral, coastal scrub. On sandy soils in Lompoc/Nipomo area. 66 to 1099 ft in elevation. Blooms November-February.
<i>Arctostaphylos silvicola</i>	Bonny Doon manzanita			1B.2	Chaparral, closed-cone coniferous forest, lower montane coniferous forest. Only known from Zayante (inland marine) sands in Santa Cruz County. 492 to 1706 ft in elevation. Blooms January-March.
<i>Arctostaphylos tomentosa</i> ssp. <i>daciticola</i>	dacite manzanita			1B.1	Chaparral, cismontane woodland. Only known from one site in SLO County on dacite porphyry buttes. 394 to 394 ft in elevation. Blooms March-May.
<i>Astragalus didymocarpus</i> var. <i>milesianus</i>	Miles' milk-vetch			1B.2	Coastal scrub. Clay soils. 164 to 1263 ft in elevation. Blooms March-June.
<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i>	coastal marsh milk-vetch			1B.2	Coastal dunes, marshes and swamps, coastal scrub. Mesic sites in dunes or along streams or coastal salt marshes. 0 to 509 ft in elevation. Blooms April-October.
<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch			1B.2	Alkali playa, valley and foothill grassland, vernal pools. Low ground, alkali flats, and flooded lands. 0 to 551 ft in elevation. Blooms March-June.
<i>Atriplex coulteri</i>	Coulter's saltbush			1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. Ocean bluffs, ridgetops, as well as alkaline low places. Alkaline or clay soils. 7 to 1509 ft in elevation. Blooms March-October.
<i>Atriplex depressa</i>	brittlescale			1B.2	Alkali playa, wetland. Chenopod scrub, meadows and seeps, playas, valley and foothill grassland, vernal pools. Usually in alkali scalds or alkaline clay in meadows or annual grassland; rarely associated with riparian, marshes, or vernal pools. 3 to 1066 ft in elevation. Blooms April-October.
<i>Atriplex serenana</i> var. <i>davidsonii</i>	Davidson's saltscale			1B.2	Coastal bluff scrub, coastal scrub. Alkaline soil. 33 to 656 ft in elevation. Blooms April-October.
<i>Baccharis plummerae</i> ssp. <i>glabrata</i>	San Simeon baccharis			1B.2	Coastal scrub. In open shrub-grassland associations. 295 to 1591 ft in elevation. Blooms June.
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
<i>Blepharizonia plumosa</i>	big tarplant			1B.1	Valley and foothill grassland. Dry hills and plains in annual grassland. Clay to clay-loam soils; usually on slopes and often in burned areas. 98 to 1657 ft in elevation. Blooms July-October.
<i>Bryoria spiralifera</i>	twisted horsehair lichen			1B.1	North coast coniferous forest. Usually on conifers. 0 to 98 ft in elevation.
<i>Calochortus clavatus</i> var. <i>recurvifolius</i>	Arroyo de la Cruz mariposa-lily			1B.2	Coastal bluff scrub, maritime chaparral, coastal prairie, lower montane coniferous forest. Ocean bluffs, grassy slopes, above riparian zones, and in grassland bordering chaparral. 33 to 410 ft in elevation. Blooms June-July.
<i>Calochortus fimbriatus</i>	late-flowered mariposa-lily			1B.3	Chaparral, cismontane woodland, riparian woodland. Dry, open coastal woodland, chaparral; on serpentine. 886 to 4708 ft in elevation. Blooms June-August.

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		Federal	State	California Rare Plant Rank	
<i>Calochortus obispoensis</i>	San Luis mariposa-lily			1B.2	Chaparral, coastal scrub, valley and foothill grassland. Often in serpentine grassland. 164 to 2395 ft in elevation. Blooms May-July.
<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern			1B.2	Chaparral, cismontane woodland, riparian woodland, valley and foothill grassland. On wooded and brushy slopes. 98 to 3002 ft in elevation. Blooms April-June.
<i>Calochortus simulans</i>	La Panza mariposa-lily			1B.3	Valley and foothill grassland, cismontane woodland, chaparral, lower montane coniferous forest. Decomposed granite. 164 to 3806 ft in elevation. Blooms April-June.
<i>Calyptidium parryi</i> var. <i>hesseae</i>	Santa Cruz Mountains pussypaws			1B.1	Chaparral, cismontane woodland. Sandy or gravelly openings. 984 to 5036 ft in elevation. Blooms May-August.
<i>Camissoniopsis hardhamiae</i>	Hardham's evening-primrose			1B.2	Limestone. Chaparral, cismontane woodland. Sandy, decomposed carbonate. 459 to 3100 ft in elevation. Blooms March-May.
<i>Campanula californica</i>	swamp harebell			1B.2	Bogs and fens, closed-cone coniferous forest, coastal prairie, meadows and seeps, freshwater marsh, north coast coniferous forest. Uncommon where it occurs. 3 to 1329 ft in elevation. Blooms June-October.
<i>Campanula exigua</i>	chaparral harebell			1B.2	Rocky sites, usually on serpentine in chaparral. 902 to 4101 ft in elevation. Blooms May-June.
<i>Carex comosa</i>	bristly sedge			2B.1	Marshes and swamps, coastal prairie, valley and foothill grassland. Lake margins, wet places; site below sea level is on a Delta island. -16 to 5315 ft in elevation. Blooms May-September.
<i>Carex obispoensis</i>	San Luis Obispo sedge			1B.2	Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland. Usually in transition zone on sand, clay, serpentine, or gabbro. In seeps. 16 to 2772 ft in elevation. Blooms April-June.
<i>Carex saliniformis</i>	deceiving sedge			1B.2	Coastal prairie, coastal scrub, meadows and seeps, marshes and swamps (coastal salt). Mesic sites. 10 to 755 ft in elevation. Blooms June (July).
<i>Castilleja ambigua</i> var. <i>insalutata</i>	pink Johnny-nip			1B.1	Coastal bluff scrub, coastal prairie. 0 to 328 ft in elevation. Blooms May-August.
<i>Castilleja densiflora</i> var. <i>obispoensis</i>	San Luis Obispo owl's-clover			1B.2	Valley and foothill grassland, meadows and seeps. Sometimes on serpentine. 33 to 1591 ft in elevation. Blooms March-May.
<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs			1B.2	Cismontane woodland, meadows and seeps. Openings in chaparral or grasslands. On serpentine. 66 to 3002 ft in elevation. Blooms April-June.
<i>Centromadia parryi</i> ssp. <i>congdonii</i>	Congdon's tarplant			1B.1	Valley and foothill grassland. Alkaline soils, sometimes described as heavy white clay. 0 to 755 ft in elevation. Blooms May-October (November).
<i>Centromadia parryi</i> ssp. <i>parryi</i>	pappose tarplant			1B.2	Chaparral, coastal prairie, meadows and seeps, coastal salt marsh, valley and foothill grassland. Vernally mesic, often alkaline sites. 7 to 1378 ft in elevation. Blooms May-November.
<i>Chenopodium littoreum</i>	coastal goosefoot			1B.2	Coastal dunes. 33 to 98 ft in elevation. Blooms April-August.
<i>Chlorogalum pomeridianum</i> var. <i>minus</i>	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
<i>Chorizanthe breweri</i>	Brewer's spineflower			1B.3	Chaparral, cismontane woodland, coastal scrub, closed-cone coniferous forest. Rocky or gravelly serpentine sites; usually in barren areas. 148 to 2510 ft in elevation. Blooms April-August.
<i>Chorizanthe rectispina</i>	straight-awned spineflower			1B.3	Cismontane woodland, coastal scrub. Often on granite in chaparral. 164 to 3412 ft in elevation. Blooms April-July.
<i>Cicuta maculata</i> var. <i>bolanderi</i>	Bolander's water-hemlock			2B.1	Marshes and swamps, fresh or brackish water. 0 to 656 ft in elevation. Blooms July-September.
<i>Cirsium andrewsii</i>	Franciscan thistle			1B.2	Coastal bluff scrub, broadleaved upland forest, coastal scrub, coastal prairie. Sometimes serpentine seeps. 0 to 492 ft in elevation. Blooms March-July.
<i>Cirsium fontinale</i> var. <i>campylon</i>	Mt. Hamilton fountain thistle			1B.2	Cismontane woodland, chaparral, valley and foothill grassland. In seasonal and perennial drainages on serpentine. 328 to 2920 ft in elevation. Blooms (February), April-October.
<i>Cirsium occidentale</i> var. <i>compactum</i>	compact cobwebby thistle			1B.2	Coastal prairie, coastal scrub. On coastal dunes and on clay in chaparral; also in grassland. 16 to 492 ft in elevation. Blooms April-June.
<i>Cirsium occidentale</i> var. <i>lucianum</i>	Cuesta Ridge thistle			1B.2	Chaparral. Openings; on serpentinite. Often on steep rocky slopes and along disturbed roadsides. 1591 to 2510 ft in elevation. Blooms April-June.
<i>Cladium californicum</i>	California saw-grass			2B.2	Meadows and seeps, marshes and swamps (alkaline or freshwater). -66 to 7005 ft in elevation. Blooms June-September.
<i>Cladonia firma</i>	popcorn lichen			2B.1	Coastal dunes, coastal scrub. On soil and detritus on stabilized sand dunes, in pure stands or intermixed with other lichens and mosses forming biotic soil crusts, covering areas up to several meters. 98 to 262 ft in elevation.
<i>Clarkia jolonensis</i>	Jolon clarkia			1B.2	Cismontane woodland, chaparral, coastal scrub, riparian woodland. 33 to 4199 ft in elevation. Blooms April-June.
<i>Collinsia multicolor</i>	San Francisco collinsia			1B.2	Closed-cone coniferous forest, coastal scrub. On decomposed shale (mudstone) mixed with humus; sometimes on serpentine. 98 to 820 ft in elevation. Blooms (February), March-May.
<i>Dacryophyllum falcifolium</i>	tear drop moss			1B.3	North Coast coniferous forest. Limestone substrates and rock outcrops. 164 to 902 ft in elevation.
<i>Delphinium californicum</i> ssp. <i>interius</i>	Hospital Canyon larkspur			1B.2	Cismontane woodland, coastal scrub. In wet, boggy meadows, openings in chaparral and in canyons. 640 to 3593 ft in elevation. Blooms April-June.
<i>Delphinium hutchinsoniae</i>	Hutchinson's larkspur			1B.2	Broadleaved upland forest, chaparral, coastal prairie, coastal scrub. On semi-shaded, slightly moist slopes, usually west-facing. 49 to 1755 ft in elevation. Blooms March-June.
<i>Delphinium parryi</i> ssp. <i>blochmaniae</i>	dune larkspur			1B.2	Chaparral, coastal dunes (maritime). On rocky areas and dunes. 49 to 1230 ft in elevation. Blooms April-June.
<i>Delphinium parryi</i> ssp. <i>eastwoodiae</i>	Eastwood's larkspur			1B.2	Chaparral, valley and foothill grassland. Serpentine. Openings. 197 to 2100 ft in elevation. Blooms (February), March.
<i>Delphinium umbraculorum</i>	umbrella larkspur			1B.3	Cismontane woodland. Mesic sites. 1312 to 5249 ft in elevation. Blooms April-June.
<i>Dirca occidentalis</i>	western leatherwood			1B.2	Broadleaved upland forest, chaparral, closed-cone coniferous forest, cismontane woodland, north coast coniferous forest, riparian forest, riparian woodland. On brushy slopes, mesic sites; mostly in mixed evergreen and foothill woodland communities. 82 to 1394 ft in elevation. Blooms January-March (April).

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Scientific Name	Common Name	Listing Status			Habitat Description
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<i>Downingia pusilla</i>	dwarf downingia			2B.2	Valley and foothill grassland (mesic sites), vernal pools. Vernal lake and pool margins with a variety of associates. 3 to 1608 ft in elevation. Blooms March-May.
<i>Dudleya abramsii</i> ssp. <i>bettinae</i>	Betty's dudleya			1B.2	Coastal scrub, valley and foothill grassland, chaparral. On rocky, barren exposures of serpentine within scrub vegetation. 66 to 820 ft in elevation. Blooms May-July.
<i>Dudleya abramsii</i> ssp. <i>murina</i>	mouse-gray dudleya			1B.3	Chaparral, cismontane woodland, valley and foothill grassland. Serpentine outcrops. 82 to 1755 ft in elevation. Blooms May-June.
<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	Blochman's dudleya			1B.1	Coastal scrub, coastal bluff scrub, chaparral, valley and foothill grassland. Open, rocky slopes; often in shallow clays over serpentine or in rocky areas with little soil. 16 to 1476 ft in elevation. Blooms April-June.
<i>Eriastrum ertterae</i>	Lime Ridge eriastrum			1B.1	Chaparral. Openings or edges; alkaline or semi-alkaline, sandy. 656 to 951 ft in elevation. Blooms June-July.
<i>Eriastrum luteum</i>	yellow-flowered eriastrum			1B.2	Broadleaved upland forest, cismontane woodland, chaparral. On bare sandy decomposed granite slopes. 787 to 1903 ft in elevation. Blooms May-June.
<i>Ericameria fasciculata</i>	Eastwood's goldenbush			1B.1	Closed-cone coniferous forest, chaparral (maritime), coastal scrub, coastal dunes. In sandy openings. 98 to 902 ft in elevation. Blooms July-October.
<i>Erigeron blochmaniae</i>	Blochman's leafy daisy			1B.2	Coastal dunes, coastal scrub. Sand dunes and hills. 10 to 148 ft in elevation. Blooms June-August.
<i>Eriogonum heermannii</i> var. <i>occidentale</i>	western Heermann's buckwheat			1B.2	Cismontane woodland. Openings. Often on serpentine alluvium or on roadsides; rarely on clay or shale slopes. 1345 to 2641 ft in elevation. Blooms July-October.
<i>Eriogonum luteolum</i> var. <i>caninum</i>	Tiburon buckwheat			1B.2	Chaparral, valley and foothill grassland, cismontane woodland, coastal prairie. Serpentine soils; sandy to gravelly sites. 0 to 2297 ft in elevation. Blooms May-September.
<i>Eriogonum nortonii</i>	Pinnacles buckwheat			1B.3	Chaparral, valley and foothill grassland. Sandy soils; often on recent burns; western Santa Lucias. 984 to 3199 ft in elevation. Blooms (April), May-August (September).
<i>Eriogonum nudum</i> var. <i>decurrens</i>	Ben Lomond buckwheat			1B.1	Chaparral, cismontane woodland, lower montane coniferous forest. Ponderosa pine sandhills in Santa Cruz County. 164 to 2625 ft in elevation. Blooms June-October.
<i>Eriogonum truncatum</i>	Mt. Diablo buckwheat			1B.1	Chaparral, coastal scrub, valley and foothill grassland. Dry, exposed clay or sandy substrates. 344 to 1148 ft in elevation. Blooms April-September (November),(December).
<i>Eryngium aristulatum</i> var. <i>hooveri</i>	Hoover's button-celery			1B.1	Alkaline depressions, vernal pools, roadside ditches and other wet places near the coast. 3 to 164 ft in elevation. Blooms (June), Jul (August).
<i>Eryngium jepsonii</i>	Jepson's coyote-thistle			1B.2	Vernal pools, valley and foothill grassland. Clay. 10 to 984 ft in elevation. Blooms April-August.
<i>Erysimum ammophilum</i>	sand-loving wallflower			1B.2	Chaparral (maritime), coastal dunes, coastal scrub. Sandy openings. 0 to 197 ft in elevation. Blooms February-June.
<i>Extriplex joaquinana</i>	San Joaquin spearscale			1B.2	Alkali playa. Chenopod scrub, alkali meadow, playas, valley and foothill grassland. In seasonal alkali wetlands or alkali sink scrub with <i>Distichlis spicata</i> , <i>Frankenia</i> , etc. 3 to 2740 ft in elevation. Blooms April-October.
<i>Fissidens pauperculus</i>	minute pocket moss			1B.2	Redwood. North coast coniferous forest. Moss growing on damp soil along the coast. In dry streambeds and on stream banks. 33 to 3360 ft in elevation.
<i>Fritillaria biflora</i> var. <i>ineziana</i>	Hillsborough chocolate lily			1B.1	Cismontane woodland, valley and foothill grassland. Probably only on serpentine; most recent site is in serpentine grassland. 295 to 525 ft in elevation. Blooms March-April.
<i>Fritillaria liliacea</i>	fragrant fritillary			1B.2	Coastal scrub, valley and foothill grassland, coastal prairie, cismontane woodland. Often on serpentine; various soils reported though usually on clay, in grassland. 10 to 1312 ft in elevation. Blooms February-April.
<i>Fritillaria ojaiensis</i>	Ojai fritillary			1B.2	Broadleaved upland forest (mesic), chaparral, lower montane coniferous forest, cismontane woodland. Usually loamy soil. Sometimes on serpentine; sometimes along roadsides. 738 to 3281 ft in elevation. Blooms February-May.
<i>Fritillaria pluriflora</i>	adobe-lily			1B.2	Chaparral, cismontane woodland, foothill grassland. Usually on clay soils; sometimes serpentine. 148 to 3100 ft in elevation. Blooms February-April.
<i>Fritillaria viridea</i>	San Benito fritillary			1B.2	Chaparral, cismontane woodland. Serpentine slopes. Sometimes on rocky streambanks. 1198 to 4462 ft in elevation. Blooms March-May.
<i>Galium californicum</i> ssp. <i>luciense</i>	Cone Peak bedstraw			1B.3	Broadleaved upland forest, lower montane coniferous forest, cismontane woodland, chaparral. In forest duff or gravelly talus of pine and oak forest, in partial shade. 1312 to 5003 ft in elevation. Blooms March-September.
<i>Galium clementis</i>	Santa Lucia bedstraw			1B.3	Lower montane coniferous forest, upper montane coniferous forest. Forming soft mats in shady rocky patches; on granite or serpentine; mostly on exposed peaks. 3707 to 5840 ft in elevation. Blooms (April), May-July.
<i>Galium hardhamiae</i>	Hardham's bedstraw			1B.3	Closed-cone coniferous forest, chaparral. On serpentine with <i>Cupressus sargentii</i> . 984 to 3051 ft in elevation. Blooms April-October.
<i>Gilia millefoliata</i>	dark-eyed gilia			1B.2	Coastal dunes. 3 to 197 ft in elevation. Blooms April-July.
<i>Grimmia torenii</i>	Toren's grimmia			1B.3	Cismontane woodland, lower montane coniferous forest, chaparral. Openings, rocky, boulder and rock walls, carbonate, volcanic. 1066 to 3806 ft in elevation.
<i>Grimmia vaginulata</i>	vaginulate grimmia			1B.1	Limestone. Chaparral. Openings; rocky, boulder and rock walls, carbonate. 2247 to 3724 ft in elevation.
<i>Helianthella castanea</i>	Diablo helianthella			1B.2	Broadleaved upland forest, chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland. Usually in chaparral/oak woodland interface in rocky, azonal soils. Often in partial shade. 148 to 3510 ft in elevation. Blooms March-June.
<i>Hemizonia congesta</i> ssp. <i>congesta</i>	congested-headed hayfield tarplant			1B.2	Valley and foothill grassland. Grassy valleys and hills, often in fallow fields; sometimes along roadsides. 66 to 2133 ft in elevation. Blooms April-November.
<i>Hesperovax sparsiflora</i> var. <i>brevifolia</i>	short-leaved evax			1B.2	Coastal bluff scrub, coastal dunes, coastal prairie. Sandy bluffs and flats. 0 to 705 ft in elevation. Blooms March-June.
<i>Hesperocyparis macrocarpa</i>	Monterey cypress			1B.2	Closed-cone coniferous forest. Granitic soils. 33 to 66 ft in elevation.
<i>Hesperolinon breweri</i>	Brewer's western flax			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Often in rocky serpentine soil. 640 to 2904 ft in elevation. Blooms May-July.

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<i>Heteranthera dubia</i>	water star-grass			2B.2	Marshes and swamps. Alkaline, still or slow-moving water. Requires a pH of 7 or higher, usually in slightly eutrophic waters. 49 to 4954 ft in elevation. Blooms July-October.
<i>Hoita strobilina</i>	Loma Prieta hoita			1B.1	Chaparral, cismontane woodland, riparian woodland. Serpentine; mesic sites. 197 to 3199 ft in elevation. Blooms May-July (August),(October).
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia			1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 49 to 5397 ft in elevation. Blooms February-July (September).
<i>Horkelia cuneata</i> var. <i>sericea</i>	Kellogg's horkelia			1B.1	Closed-cone coniferous forest, coastal scrub, coastal dunes, chaparral. Old dunes, coastal sandhills; openings. 16 to 705 ft in elevation. Blooms April-September.
<i>Horkelia marinensis</i>	Point Reyes horkelia			1B.2	Coastal dunes, coastal prairie, coastal scrub. Sandy flats and dunes near coast; in grassland or scrub plant communities. 7 to 2543 ft in elevation. Blooms May-September.
<i>Hypogymnia schizidiata</i>	island tube lichen			1B.3	Chaparral, closed-cone coniferous forest. On bark and wood of hardwoods and conifers. 1181 to 1329 ft in elevation.
<i>Isocoma arguta</i>	Carquinez goldenbush			1B.1	Valley and foothill grassland. Alkaline soils, flats, lower hills. On low benches near drainages and on tops and sides of mounds in swale habitat. 3 to 164 ft in elevation. Blooms August-December.
<i>Lasthenia californica</i> ssp. <i>bakeri</i>	Baker's goldfields			1B.2	Closed-cone coniferous forest, coastal scrub, meadows and seeps, marshes and swamps. Openings. 197 to 1706 ft in elevation. Blooms April-October.
<i>Lasthenia californica</i> ssp. <i>macrantha</i>	perennial goldfields			1B.2	Coastal bluff scrub, coastal dunes, coastal scrub. 16 to 607 ft in elevation. Blooms January-November.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields			1B.1	Coastal salt marshes, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 3 to 4511 ft in elevation. Blooms February-June.
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea			1B.2	Freshwater and brackish marshes. Often found with <i>Typha</i> , <i>Aster lentus</i> , <i>Rosa californica</i> , <i>Juncus</i> spp., <i>Scirpus</i> , etc. Usually on marsh and slough edges. 0 to 16 ft in elevation. Blooms May-July (August),(September).
<i>Layia heterotricha</i>	pale-yellow layia			1B.1	Cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Alkaline or clay soils; open areas. 295 to 5906 ft in elevation. Blooms March-June.
<i>Layia jonesii</i>	Jones' layia			1B.2	Chaparral, valley and foothill grassland. Clay soils and serpentine outcrops. 16 to 1312 ft in elevation. Blooms March-May.
<i>Legenere limosa</i>	legenere			1B.1	In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
<i>Leptosiphon rosaceus</i>	rose leptosiphon			1B.1	Coastal bluff scrub. 33 to 459 ft in elevation. Blooms April-July.
<i>Lessingia arachnoidea</i>	Crystal Springs lessingia			1B.2	Coastal sage scrub, valley and foothill grassland, cismontane woodland. Grassy slopes on serpentine; sometimes on roadsides. 295 to 656 ft in elevation. Blooms July-October.
<i>Lessingia micradenia</i> var. <i>glabrata</i>	smooth lessingia			1B.2	Chaparral, cismontane woodland. Serpentine; often on roadsides. 394 to 1378 ft in elevation. Blooms (May),(June), July-November.
<i>Lupinus ludovicianus</i>	San Luis Obispo County lupine			1B.2	Chaparral, cismontane woodland. Open areas in sandy soil, Santa Margarita formation. 279 to 1722 ft in elevation. Blooms April-July.
<i>Madia radiata</i>	showy golden madia			1B.1	Valley and foothill grassland, cismontane woodland. Mostly on adobe clay in grassland or among shrubs. 246 to 4003 ft in elevation. Blooms March-May.
<i>Malacothamnus aboriginum</i>	Indian Valley bush-mallow			1B.2	Cismontane woodland, chaparral. Granitic outcrops and sandy bare soil, often in disturbed soils. 492 to 3707 ft in elevation. Blooms April-October.
<i>Malacothamnus arcuatus</i>	arcuate bush-mallow			1B.2	Chaparral, cismontane woodland. Gravelly alluvium. 3 to 2411 ft in elevation. Blooms April-September.
<i>Malacothamnus gracilis</i>	slender bush-mallow			1B.1	Chaparral. Dry, rocky slopes. 623 to 1886 ft in elevation. Blooms May-October.
<i>Malacothamnus hallii</i>	Hall's bush-mallow			1B.2	Chaparral, coastal scrub. Some populations on serpentine. 33 to 2395 ft in elevation. Blooms May-September (October).
<i>Malacothamnus palmeri</i> var. <i>involucratus</i>	Carmel Valley bush-mallow			1B.2	Cismontane woodland, chaparral, coastal scrub. Talus hilltops and slopes, sometimes on serpentine. Fire dependent. 98 to 3609 ft in elevation. Blooms April-October.
<i>Malacothamnus palmeri</i> var. <i>lucianus</i>	Arroyo Seco bush-mallow			1B.2	Chaparral, cismontane woodland, meadows and seeps. Gravel banks and sandstone rocks on west-facing slopes in full sun. 33 to 2707 ft in elevation. Blooms (April), May-August.
<i>Malacothamnus palmeri</i> var. <i>palmeri</i>	Santa Lucia bush-mallow			1B.2	Chaparral. Dry rocky slopes, mostly near summits, but occasionally extending down canyons to the sea. 197 to 1181 ft in elevation. Blooms May-July.
<i>Malacothrix saxatilis</i> var. <i>arachnoidea</i>	Carmel Valley malacothrix			1B.2	Chaparral, coastal scrub. Rock outcrops or steep rocky roadcuts. 82 to 4003 ft in elevation. Blooms (March), June-December.
<i>Meconella oregana</i>	Oregon meconella			1B.1	Coastal prairie, coastal scrub. Open, moist places. 197 to 2100 ft in elevation. Blooms March-April.
<i>Microseris paludosa</i>	marsh microseris			1B.2	Closed-cone coniferous forest, cismontane woodland, coastal scrub, valley and foothill grassland. 16 to 984 ft in elevation. Blooms April-June (July).
<i>Monardella palmeri</i>	Palmer's monardella			1B.2	Cismontane woodland, chaparral. On serpentine, often found associated with Sargent cypress forests. 656 to 2625 ft in elevation. Blooms June-August.
<i>Monardella sinuata</i> ssp. <i>nigrescens</i>	northern curly-leaved monardella			1B.2	Coastal dunes, coastal scrub, chaparral, lower montane coniferous forest. Sandy soils. 0 to 984 ft in elevation. Blooms (April), May-July (August),(September).
<i>Monardella sinuata</i> ssp. <i>sinuata</i>	southern curly-leaved monardella			1B.2	Coastal dunes, coastal scrub, chaparral, cismontane woodlands. Sandy soils. 0 to 984 ft in elevation. Blooms April-September.
<i>Monardella undulata</i> ssp. <i>crispa</i>	crisp monardella			1B.2	Coastal dunes, coastal scrub. Often on the borders of open, sand areas, usually adjacent to typical backdune scrub vegetation. 33 to 394 ft in elevation. Blooms April-August (December).
<i>Monardella undulata</i> ssp. <i>undulata</i>	San Luis Obispo monardella			1B.2	Coastal dunes, coastal scrub. Stabilized sand of the immediate coast. 33 to 656 ft in elevation. Blooms May-September.
<i>Monolopia gracilens</i>	woodland woollythreads			1B.2	Chaparral, valley and foothill grassland, cismontane woodland, broadleaved upland forest, north coast coniferous forest. Grassy sites, in openings; sandy to rocky soils. Often seen on serpentine after burns but may have only weak affinity to serpentine. 328 to 3937 ft in elevation. Blooms (February), March-July.

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		Federal	State	California Rare Plant Rank	
<i>Navarretia gowenii</i>	Lime Ridge navarretia			1B.1	Chaparral. On calcium carbonate-rich soil with high clay content. 591 to 1001 ft in elevation. Blooms May-June.
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia			1B.1	Cismontane woodland, meadows and seeps, vernal pools and swales, valley and foothill grassland, lower montane coniferous forest. Adobe or alkaline soils. 16 to 5709 ft in elevation. Blooms April-July.
<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	shining navarretia			1B.2	Cismontane woodland, valley and foothill grassland, vernal pools. Apparently in grassland, and not necessarily in vernal pools. 197 to 3199 ft in elevation. Blooms (March), April-July.
<i>Nemacaulis denudata</i> var. <i>denudata</i>	coast woolly-heads			1B.2	Coastal dunes. 0 to 328 ft in elevation. Blooms April-September.
<i>Orthotrichum kellmanii</i>	Kellman's bristle moss			1B.2	Chaparral, cismontane woodland. Sandstone outcrops with high calcium concentrations from eroded boulders out of non-calcareous sandstone bedrock. Rock outcrops in small openings within dense chaparral with overstory of scattered <i>Pinus attenuata</i> . 1125 to 2247 ft in elevation. Blooms January-February.
<i>Penstemon rattanii</i> var. <i>kleei</i>	Santa Cruz Mountains beardtongue			1B.2	Chaparral, lower montane coniferous forest, north coast coniferous forest. Sandy shale slopes; sometimes in the transition between forest and chaparral. 1312 to 3609 ft in elevation. Blooms May-June.
<i>Phacelia phacelioides</i>	Mt. Diablo phacelia			1B.2	Chaparral, cismontane woodland. Adjacent to trails, on rock outcrops and talus slopes; sometimes on serpentine. 1985 to 4413 ft in elevation. Blooms April-May.
<i>Pinus radiata</i>	Monterey pine			1B.1	Closed-cone coniferous forest, cismontane woodland. Three primary stands are native to California. Dry bluffs and slopes. 197 to 410 ft in elevation.
<i>Piperia candida</i>	white-flowered rein orchid			1B.2	North coast coniferous forest, lower montane coniferous forest, broadleaved upland forest. Sometimes on serpentine. Forest duff, mossy banks, rock outcrops, and muskeg. 148 to 5299 ft in elevation. Blooms (March), May-September.
<i>Plagiobothrys chorisianus</i> var. <i>chorisianus</i>	Choris' popcornflower			1B.2	Chaparral, coastal scrub, coastal prairie. Mesic sites. 49 to 525 ft in elevation. Blooms March-June.
<i>Plagiobothrys glaber</i>	hairless popcornflower			1A	Vernal pools, seeps, marshes and swamps. Coastal salt marshes and alkaline meadows. 16 to 591 ft in elevation. Blooms March-May.
<i>Plagiobothrys uncinatus</i>	hooked popcornflower			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Sandstone outcrops and canyon sides; often in burned or disturbed areas. 984 to 2493 ft in elevation. Blooms April-May.
<i>Poa diaboli</i>	Diablo Canyon blue grass			1B.2	Chaparral (mesic sites), cismontane woodland, coastal scrub, closed-cone coniferous forest. Shale, sometimes burned areas. 394 to 1312 ft in elevation. Blooms March-April.
<i>Polemonium carneum</i>	Oregon polemonium			2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. 0 to 6004 ft in elevation. Blooms April-September.
<i>Puccinellia simplex</i>	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernal mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
<i>Ramalina thrausta</i>	angel's hair lichen			2B.1	North coast coniferous forest. On dead twigs and other lichens. 246 to 1411 ft in elevation.
<i>Rosa pinetorum</i>	pine rose			1B.2	Closed-cone coniferous forest, cismontane woodland. 16 to 3576 ft in elevation. Blooms May-July.
<i>Scrophularia atrata</i>	black-flowered figwort			1B.2	Closed-cone coniferous forest, chaparral, coastal dunes, coastal scrub, riparian scrub. Sand, diatomaceous shales, and soils derived from other parent material; around swales and in sand dunes. 33 to 804 ft in elevation. Blooms March-July.
<i>Senecio aphanactis</i>	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
<i>Sidalcea hickmanii</i> ssp. <i>hickmanii</i>	Hickman's checkerbloom			1B.3	Chaparral. Grassy openings in chaparral, and on dry ridges. 1099 to 3937 ft in elevation. Blooms May-July.
<i>Silene scouleri</i> ssp. <i>scouleri</i>	Scouler's catchfly			2B.2	Coastal bluff scrub, coastal prairie, valley and foothill grassland. 0 to 1968 ft in elevation. Blooms (March-May)June-August(September).
<i>Silene verecunda</i> ssp. <i>verecunda</i>	San Francisco campion			1B.2	Coastal scrub, valley and foothill grassland, coastal bluff scrub, chaparral, coastal prairie. Often on mudstone or shale; one site on serpentine. 98 to 2116 ft in elevation. Blooms (February), March-June (August).
<i>Spergularia macrotheca</i> var. <i>longistyla</i>	long-styled sand-spurrey			1B.2	Marshes and swamps, meadows and seeps. Alkaline. 0 to 836 ft in elevation. Blooms February-May.
<i>Stebbinsoseris decipiens</i>	Santa Cruz microseris			1B.2	Broadleaved upland forest, closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland. Open areas in loose or disturbed soil, usually derived from sandstone, shale or serpentine, on seaward slopes. 33 to 1640 ft in elevation. Blooms April-May.
<i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	most beautiful jewelflower			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Serpentine outcrops, on ridges and slopes. 312 to 3281 ft in elevation. Blooms (March), April-September (October).
<i>Streptanthus hispidus</i>	Mt. Diablo jewelflower			1B.3	Valley and foothill grassland, chaparral. Talus or rocky outcrops. 804 to 3199 ft in elevation. Blooms March-June.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	slender-leaved pondweed			2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.
<i>Sulcaria isidiifera</i>	splitting yarn lichen			1B.1	Coastal scrub. On branches of oaks and shrubs in old growth coastal scrub. 66 to 180 ft in elevation.
<i>Symphotrichum lentum</i>	Suisun Marsh aster			1B.2	Marshes and swamps (brackish and freshwater). Most often seen along sloughs with <i>Phragmites</i> , <i>Scirpus</i> , blackberry, <i>Typha</i> , etc. 0 to 98 ft in elevation. Blooms (April), May-November.
<i>Tortula californica</i>	California screw moss			1B.2	Chenopod scrub, valley and foothill grassland. Moss growing on sandy soil. 33 to 4790 ft in elevation.
<i>Trifolium buckwestiorum</i>	Santa Cruz clover			1B.1	Coastal prairie, broadleaved upland forest, cismontane woodland. Moist grassland. Gravelly margins. 344 to 2001 ft in elevation. Blooms April-October.
<i>Trifolium hydrophilum</i>	saline clover			1B.2	Marshes and swamps, valley and foothill grassland, vernal pools. Mesic, alkaline sites. 0 to 984 ft in elevation. Blooms April-June.
<i>Triphysaria floribunda</i>	San Francisco owl's-clover			1B.2	Coastal prairie, coastal scrub, valley and foothill grassland. On serpentine and non-serpentine substrate (such as at Pt. Reyes). 3 to 492 ft in elevation. Blooms April-June.

Table 1a Special-Status Plant Species Known or with Potential to Occur in the Central California Coast Ecological Section (261A) within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Triquetrella californica</i>	coastal triquetrella			1B.2	Coastal bluff scrub, coastal scrub. Grows within 30m from the coast in coastal scrub, grasslands and in open gravels on roadsides, hillsides, rocky slopes, and fields. On gravel or thin soil over outcrops. 33 to 328 ft in elevation. Blooms .
<i>Triteleia ixioides</i> ssp. <i>cookii</i>	Cook's triteleia			1B.3	Cismontane woodland, closed-cone coniferous forest. Streamsides, wet ravines; on serpentine and in serpentine seeps. Sometimes near cypresses. 394 to 2411 ft in elevation. Blooms May-June.
<i>Tropidocarpum capparideum</i>	caper-fruited tropidocarpum			1B.1	Valley and foothill grassland. Alkaline clay. 0 to 1181 ft in elevation. Blooms March-April.
<i>Viburnum ellipticum</i>	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.

Listing Status
 E = Endangered
 T = Threatened
 R = Rare

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere
 Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 – Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 1b Special-Status Wildlife Species Known or with Potential to Occur in the Central California Coast Ecological Section (261A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																			Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Douglas Fir	Eucalyptus	Mixed Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Redwood	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	
<i>Phoebastria albatrus</i>	short-tailed albatross ²	E	SC	X	X		X	X	X	X	X	X	X	X	X	X	X		X		X	X	60,495
<i>Rallus obsoletus obsoletus</i>	California Ridgway's rail ²	E	E FP	X	X	X	X	X	X	X		X	X		X		X				X	X	81,861
<i>Riparia riparia</i>	bank swallow		T	X	X		X	X	X	X		X		X	X		X		X		X		6,113
<i>Sternula antillarum browni</i>	California least tern ²	E	E FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	785,337
<i>Synthliboramphus scrippsi</i>	Scripps's murrelet ²	C	T					X		X													<1
<i>Vireo bellii pusillus</i>	least Bell's vireo	E	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	874,721
CDFW Species of Special Concern																							
<i>Ammodramus savannarum</i>	grasshopper sparrow		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,052,975
<i>Anser albifrons elgasi</i>	tule greater white-fronted goose		SC	X									X										8
<i>Asio flammeus</i>	short-eared owl		SC	X	X		X		X	X		X	X		X		X				X	X	866
<i>Asio otus</i>	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	961,051
<i>Athene cucularia</i>	burrowing owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	887,638
<i>Aythya Americana</i>	redhead ²		SC	X	X	X	X		X	X		X	X	X		X					X	X	68,363
<i>Chaetura vauxi</i>	Vaux's swift		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	348,637
<i>Charadrius montanus</i>	mountain plover		SC	X																	X		<1
<i>Circus hudsonius</i>	northern harrier		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	1,075,704
<i>Contopus cooperi</i>	olive-sided flycatcher		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	902,092
<i>Coturnicops noveboracensis</i>	yellow rail ²		SC	X				X	X	X	X					X	X				X		-
<i>Cypseloides niger</i>	black swift		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	250,537
<i>Geothlypis trichas sinuosa</i>	San Francisco common yellowthroat ²		SC	X	X		X	X	X	X	X	X	X	X	X	X			X		X	X	71,710
<i>Icteria virens</i>	yellow-breasted chat		SC	X	X	X	X	X	X	X		X	X	X		X			X		X	X	330,334
<i>Ixobrychus exilis</i>	least bittern ²		SC	X			X	X	X	X		X	X		X		X				X	X	97,588
<i>Lanius ludovicianus</i>	loggerhead shrike		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,321,334
<i>Melospiza melodia mailliardi</i>	Modesto song sparrow		SC	X	X	X	X		X				X								X	X	<1
<i>Oceanodroma homochroa</i>	ashy storm-petrel ²		SC	X				X	X	X				X							X		<1
<i>Passerculus sandwichensis alaudinus</i>	Bryant's savannah sparrow		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	967,709
<i>Passerculus sandwichensis rostratus</i>	large-billed savannah sparrow		SC	X						X											X		9
<i>Pelecanus erythrorhynchos</i>	American white pelican ²		SC	X	X	X	X		X	X		X	X	X		X					X	X	68,363
<i>Poocetes gramineus affinis</i>	Oregon vesper sparrow		SC	X																			<1
<i>Progne subis</i>	purple martin		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	824,161
<i>Ptychoramphus aleuticus</i>	Cassin's auklet ²		SC	X				X	X	X		X	X		X						X		<1
<i>Setophaga petechia</i>	yellow warbler		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,261,420
<i>Strix occidentalis occidentalis</i>	California spotted owl		SC	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	232,602
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird ²		SC	X	X	X	X		X	X		X	X	X		X					X	X	68,363

Table 1b Special-Status Wildlife Species Known or with Potential to Occur in the Central California Coast Ecological Section (261A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																			Total Acreage of Associated CWHR Types within the Treatable Landscape ¹	
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Douglas Fir	Eucalyptus	Mixed Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Redwood	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland		
CDFW Species of Special Concern																								
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,321,334	
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,321,334	
<i>Eumops perotis californicus</i>	western mastiff bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,260,021	
<i>Lasiurus blossevillii</i>	western red bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,321,334	
<i>Microtus californicus sanpabloensis</i>	San Pablo California vole ²		SC	X												X				X		-		
<i>Neotoma fuscipes annectens</i>	San Francisco dusky-footed woodrat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	
<i>Nyctinomops macrotis</i>	big free-tailed bat		SC	X	X		X	X	X	X		X			X	X							5,236	
<i>Perognathus inornatus psammophilus</i>	Salinas pocket mouse		SC	X	X				X							X							-	
<i>Sorex ornatus salarius</i>	Monterey shrew		SC	X	X		X		X	X		X	X	X		X	X				X	X	-	
<i>Sorex ornatus sinuosus</i>	Suisun shrew ²		SC	X												X							-	
<i>Sorex vagrans halicoetes</i>	salt-marsh wandering shrew ²		SC	X	X		X		X	X				X		X	X				X		-	
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,321,334	
<i>Zapus trinotatus orarius</i>	Point Reyes jumping mouse ²		SC	X						X						X							-	
Reptiles																								
Federal and State Listed/CDFW Fully Protected																								
<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	T	T	X	X	X	X	X	X	X		X	X	X	X	X				X		X	X	175,380
<i>Thamnophis gigas</i>	giant garter snake ²	T	T	X																	X		<1	
<i>Thamnophis sirtalis tetrataenia</i>	San Francisco gartersnake	E	E FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	354,789	
CDFW Species of Special Concern																								
<i>Anniella sp.</i>	California legless lizard		SC	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	728,306	
<i>Arizona elegans occidentalis</i>	California glossy snake		SC	X	X		X		X	X		X	X			X	X	X	X		X		3,790	
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,321,334	
<i>Masticophis flagellum ruddocki</i>	San Joaquin coachwhip		SC	X	X		X		X	X	X	X	X		X	X	X	X			X		3,750	
<i>Phrynosoma blainvillii</i>	coast horned lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	977,263	
<i>Salvadora hexalepis virgultea</i>	coast patch-nosed snake		SC	X	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	65,790	
<i>Thamnophis hammondi</i>	two-striped gartersnake ²		SC	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	637,620	

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate for listing
 FP = Fully Protected
 SC = CDFW Species of Special Concern
¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.
² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.
 Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW in 2019

Table 2a Special-Status Plant Species Known or with Potential to Occur in the Central California Coast Ranges Ecoregion (M262A) within the Treatable Landscape					
Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Amsinckia grandiflora</i>	large-flowered fiddleneck	E	E	1B.1	Cismontane woodland, valley and foothill grassland. Annual grassland in various soils. 902 to 1804 ft in elevation. Blooms (March), April-May.
<i>Camissonia benitensis</i>	Santa Benito evening-primrose	T		1B.1	Chaparral, cismontane woodland, valley and foothill grassland. On gravelly serpentine alluvial terraces. 1591 to 4708 ft in elevation. Blooms April-June.
<i>Caulanthus californicus</i>	California jewelflower	E	E	1B.1	Chenopod scrub, valley and foothill grassland, pinyon and juniper woodland. Sandy soils. 213 to 6102 ft in elevation. Blooms February-May.
<i>Ceanothus ferrisiae</i>	Coyote ceanothus	E		1B.1	Chaparral, valley and foothill grassland, coastal scrub. Serpentine sites in the Mt. Hamilton range. 492 to 1509 ft in elevation. Blooms January-May.
<i>Chlorogalum purpureum</i> var. <i>purpureum</i>	Santa Lucia purple amole	T		1B.1	Chaparral, cismontane woodland, valley and foothill grassland. Often in grassy areas with blue oaks in foothill woodland. Gravelly clay soils. 787 to 1280 ft in elevation. Blooms April-June.
<i>Chlorogalum purpureum</i> var. <i>reductum</i>	Camatta Canyon amole	T	R	1B.1	Cismontane woodland, valley and foothill grassland. Serpentine; open area with low vegetative cover in heavy clay soils. 1886 to 2001 ft in elevation. Blooms April-May.
<i>Chloropyron palmatum</i>	palmate-bracted bird's-beak	E	E	1B.1	Chenopod scrub, valley and foothill grassland, meadow and seep, wetland. Usually on Pescadero silty clay which is alkaline, with <i>Distichlis</i> , <i>Frankenia</i> , etc. 16 to 509 ft in elevation. Blooms May-October.
<i>Chorizanthe pungens</i> var. <i>pungens</i>	Monterey spineflower	T		1B.2	Coastal dunes, chaparral, cismontane woodland, coastal scrub, valley and foothill grassland. Sandy soils in coastal dunes or more inland within chaparral or other habitats. 0 to 558 ft in elevation. Blooms April-June (July),(August).
<i>Deinandra bacigalupii</i>	Livermore tarplant		E	1B.1	Alkaline meadows and seeps. 492 feet to 607 feet in elevation. Blooms June-October.
<i>Dudleya abramsii</i> ssp. <i>setchellii</i>	Santa Clara Valley dudleya	E		1B.1	Valley and foothill grassland, cismontane woodland. On rocky serpentine outcrops and on rocks within grassland or woodland. 197 to 1493 ft in elevation. Blooms April-October.
<i>Eremalche parryi</i> ssp. <i>kernensis</i>	Kern mallow	E		1B.2	Chenopod scrub, valley and foothill grassland, pinyon and juniper woodlands. On dry, open sandy to clay soils; usually within valley saltbush scrub; often at edge of balds. 230 to 4249 ft in elevation. Blooms January (February), March-May.
<i>Eriastrum tracyi</i>	Tracy's eriastrum		R	3.2	Chaparral, cismontane woodland, valley and foothill grassland. Gravelly shale or clay; often in open areas. 1033 to 5299 ft in elevation. Blooms May-July.
<i>Eriogonum butterworthianum</i>	Butterworth's buckwheat		R	1B.3	Chaparral, valley and foothill grassland. Dry sandstone outcrops and crevices. 1099 to 2346 ft in elevation. Blooms June-July. Chenopod scrub, valley and foothill grassland, pinyon and juniper woodland. Sandy soils. 213 to 6102 ft in elevation. Blooms February-May;jewel
<i>Monolopia congdonii</i>	San Joaquin woollythreads	E		1B.2	Chenopod scrub, valley and foothill grassland. Alkaline or loamy plains; sandy soils, often with grasses and within chenopod scrub. 180 to 2756 ft in elevation. Blooms February-May.
<i>Navarretia fossalis</i>	spreading navarretia	T		1B.1	Alkali playa, wetland. Vernal pools, chenopod scrub, marshes and swamps, playas. San Diego hardpan and San Diego claypan vernal pools; in swales and vernal pools, often surrounded by other habitat types. 49 to 2789 ft in elevation. Blooms April-June.
<i>Plagiobothrys diffusus</i>	San Francisco popcornflower		E	1B.1	Valley and foothill grassland, coastal prairie. Historically from grassy slopes with marine influence. 148 to 1181 ft in elevation. Blooms March-June.
<i>Sanicula saxatilis</i>	rock sanicle		R	1B.2	Broadleaved upland forest, chaparral, valley and foothill grassland. Bedrock outcrops and talus slopes in chaparral or oak woodland habitat. 2198 to 4101 ft in elevation. Blooms April-May.
<i>Streptanthus albidus</i> ssp. <i>albidus</i>	Metcalf Canyon jewelflower	E		1B.1	Valley and foothill grassland. Relatively open areas in dry grassy meadows on serpentine soils; also on serpentine balds. 148 to 2625 ft in elevation. Blooms April-July.
California Rare Plant Ranked					
<i>Abies bracteata</i>	bristlecone fir			1B.3	Old growth. Lower montane coniferous forest, broadleaved upland forest, chaparral, riparian woodland. Rocky sites in Monterey and San Luis Obispo counties. 591 to 5102 ft in elevation. Bloom period unknown.
<i>Acmispon rubriflorus</i>	red-flowered bird's-foot trefoil			1B.1	Valley and foothill grassland, cismontane woodland. Most recent sighting from sterile, red soils-volcanic mudflow deposits. 640 to 1608 ft in elevation. Blooms April-June.
<i>Agrostis hooveri</i>	Hoover's bent grass			1B.2	Chaparral, cismontane woodland, closed-cone coniferous forest, valley and foothill grassland. Sandy sites. 197 to 2510 ft in elevation. Blooms April-July.
<i>Allium howellii</i> var. <i>clokeyi</i>	Mt. Pinos onion			1B.3	Great Basin scrub, pinyon and juniper woodland, meadows and seeps (edges). 4544 to 5906 ft in elevation. Blooms April-June.
<i>Allium howellii</i> var. <i>sanbenitense</i>	San Benito onion			1B.3	Chaparral, valley and foothill grassland. Openings. Clay, often steep slopes. 1280 to 4166 ft in elevation. Blooms April-June.
<i>Allium sharsmithiae</i>	Sharsmith's onion			1B.3	Cismontane woodland, chaparral. Rocky, serpentine slopes. 1591 to 3199 ft in elevation. Blooms March-May.
<i>Amsinckia lunaris</i>	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita			1B.3	Chaparral, cismontane woodland. In canyons and on slopes. On sandstone. 591 to 1854 ft in elevation. Blooms January-March.
<i>Arctostaphylos gabilanensis</i>	Gabilan Mountains manzanita			1B.2	Chaparral, cismontane woodland. Grainitic substrates. 1394 to 2198 ft in elevation. Blooms January.
<i>Arctostaphylos luciana</i>	Santa Lucia manzanita			1B.2	Chaparral, cismontane woodland. On shale (one site says serpentine) outcrops, on slopes, in chaparral. 344 to 2608 ft in elevation. Blooms December-March.
<i>Arctostaphylos manzanita</i> ssp. <i>laevigata</i>	Contra Costa manzanita			1B.2	Chaparral. Rocky slopes. 492 to 2001 ft in elevation. Blooms January-March (April).
<i>Arctostaphylos pajaroensis</i>	Pajaro manzanita			1B.1	Chaparral. Sandy soils. 98 to 509 ft in elevation. Blooms December-March.
<i>Arctostaphylos pilosula</i>	Santa Margarita manzanita			1B.2	Closed-cone coniferous forest, chaparral, broadleaved upland forest, cismontane woodland. Shale outcrops and slopes; reported growing on decomposed granite or sandstone. 197 to 4003 ft in elevation. Blooms December-May.

Table 2a Special-Status Plant Species Known or with Potential to Occur in the Central California Coast Ranges Ecoregion (M262A) within the Treatable Landscape					
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		Federal	State	California Rare Plant Rank	
<i>Aristocapsa insignis</i>	Indian Valley spineflower			1B.2	Cismontane woodland. Sandy substrates. 591 to 3478 ft in elevation. Blooms May-September.
<i>Astragalus didymocarpus</i> var. <i>milesianus</i>	Miles' milk-vetch			1B.2	Coastal scrub. Clay soils. 164 to 1263 ft in elevation. Blooms March-June.
<i>Astragalus rattanii</i> var. <i>jepsonianus</i>	Jepson's milk-vetch			1B.2	Cismontane woodland, valley and foothill grassland, chaparral. Commonly on serpentine in grassland or openings in chaparral. 574 to 3297 ft in elevation. Blooms March-June.
<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch			1B.2	Alkali playa, valley and foothill grassland, vernal pools. Low ground, alkali flats, and flooded lands; in annual grassland or in playas or vernal pools. 0 to 551 ft in elevation. Blooms March-June.
<i>Atriplex cordulata</i> var. <i>cordulata</i>	heartscale			1B.2	Chenopod scrub, valley and foothill grassland, meadows and seeps. Alkaline flats and scalds in the Central Valley, sandy soils. 10 to 902 ft in elevation. Blooms April-October.
<i>Atriplex coronata</i> var. <i>vallicola</i>	Lost Hills crownscale			1B.2	Chenopod scrub, valley and foothill grassland, vernal pools. In powdery, alkaline soils that are vernal moist with <i>Frankenia</i> , <i>Atriplex</i> spp. and <i>Distichlis</i> . 148 to 2904 ft in elevation. Blooms April-September.
<i>Atriplex depressa</i>	brittlescale			1B.2	Alkali playa, wetland. Chenopod scrub, meadows and seeps, playas, valley and foothill grassland, vernal pools. Usually in alkali scalds or alkaline clay in meadows or annual grassland; rarely associated with riparian, marshes, or vernal pools. 3 to 1066 ft in elevation. Blooms April-October.
<i>Atriplex minuscula</i>	lesser saltscale			1B.1	Alkali playa. Chenopod scrub, playas, valley and foothill grassland. In alkali sink and grassland in sandy, alkaline soils. 0 to 738 ft in elevation. Blooms May-October.
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
<i>Blepharizonia plumosa</i>	big tarplant			1B.1	Valley and foothill grassland. Dry hills and plains in annual grassland. Clay to clay-loam soils; usually on slopes and often in burned areas. 98 to 1657 ft in elevation. Blooms July-October.
<i>Boechera rubicundula</i>	Mt. Day rockcress			1B.1	Chaparral. Rocky slopes. 3937 to 3937 ft in elevation. Blooms April-May.
<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernal moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern			1B.2	Chaparral, cismontane woodland, riparian woodland, valley and foothill grassland. On wooded and brushy slopes. 98 to 3002 ft in elevation. Blooms April-June.
<i>Calochortus simulans</i>	La Panza mariposa-lily			1B.3	Valley and foothill grassland, cismontane woodland, chaparral, lower montane coniferous forest. Decomposed granite. 164 to 3806 ft in elevation. Blooms April-June.
<i>Calycadenia villosa</i>	dwarf calycadenia			1B.1	Chaparral, cismontane woodland, valley and foothill grassland, meadows and seeps. Open, dry meadows, hillsides, gravelly outwashes. 787 to 4429 ft in elevation. Blooms May-October.
<i>Calyptidium parryi</i> var. <i>hesseae</i>	Santa Cruz Mountains pussypaws			1B.1	Chaparral, cismontane woodland. Sandy or gravelly openings. 984 to 5036 ft in elevation. Blooms May-August.
<i>Camissoniopsis hardhamiae</i>	Hardham's evening-primrose			1B.2	Limestone. Chaparral, cismontane woodland. Sandy, decomposed carbonate. 459 to 3100 ft in elevation. Blooms March-May.
<i>Campanula exigua</i>	chaparral harebell			1B.2	Chaparral. Rocky sites, usually on serpentine in chaparral. 902 to 4101 ft in elevation. Blooms May-June.
<i>Campanula sharsmithiae</i>	Sharsmith's harebell			1B.2	Chaparral. Serpentine barrens. 1394 to 2805 ft in elevation. Blooms April-June.
<i>Carex obispoensis</i>	San Luis Obispo sedge			1B.2	Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland. Usually in transition zone on sand, clay, serpentine, or gabbro. In seeps. 16 to 2772 ft in elevation. Blooms April-June.
<i>Castilleja densiflora</i> var. <i>obispoensis</i>	San Luis Obispo owl's-clover			1B.2	Valley and foothill grassland, meadows and seeps. Sometimes on serpentine. 33 to 1591 ft in elevation. Blooms March-May.
<i>Caulanthus lemmonii</i>	Lemmon's jewelflower			1B.2	Pinyon and juniper woodland, valley and foothill grassland. 246 to 5200 ft in elevation. Blooms February-May.
<i>Centromadia parryi</i> ssp. <i>congdonii</i>	Congdon's tarplant			1B.1	Valley and foothill grassland. Alkaline soils, sometimes described as heavy white clay. 0 to 755 ft in elevation. Blooms May-October (November).
<i>Chlorogalum pomeridianum</i> var. <i>minus</i>	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
<i>Chloropyron molle</i> ssp. <i>hispidum</i>	hispid salty bird's-beak			1B.1	Alkali playa, wetland. Meadows and seeps, playas, valley and foothill grassland. In damp alkaline soils, especially in alkaline meadows and alkali sinks with <i>Distichlis</i> . 3 to 509 ft in elevation. Blooms June-September.
<i>Chorizanthe biloba</i> var. <i>immemora</i>	Hernandez spineflower			1B.2	Chaparral, cismontane woodland. Sandy and gravelly soils on the east slope of the Diablo Range. 1969 to 2625 ft in elevation. Blooms May-August (September).
<i>Chorizanthe blakleyi</i>	Blakley's spineflower			1B.3	Chaparral, pinyon and juniper woodland. 1985 to 5003 ft in elevation. Blooms April-June.
<i>Chorizanthe breweri</i>	Brewer's spineflower			1B.3	Chaparral, cismontane woodland, coastal scrub, closed-cone coniferous forest. Rocky or gravelly serpentine sites; usually in barren areas. 148 to 2510 ft in elevation. Blooms April-August.
<i>Chorizanthe rectispina</i>	straight-awned spineflower			1B.3	Chaparral, cismontane woodland, coastal scrub. Often on granite in chaparral. 164 to 3412 ft in elevation. Blooms April-July.
<i>Cirsium fontinale</i> var. <i>campylon</i>	Mt. Hamilton fountain thistle			1B.2	Cismontane woodland, chaparral, valley and foothill grassland. In seasonal and perennial drainages on serpentine. 328 to 2920 ft in elevation. Blooms (February), April-October.
<i>Cirsium occidentale</i> var. <i>lucianum</i>	Cuesta Ridge thistle			1B.2	Chaparral. Openings; on serpentinite. Often on steep rocky slopes and along disturbed roadsides. 1591 to 2510 ft in elevation. Blooms April-June.
<i>Clarkia jolonensis</i>	Jolon clarkia			1B.2	Cismontane woodland, chaparral, coastal scrub, riparian woodland. 33 to 4199 ft in elevation. Blooms April-June.
<i>Collinsia antonina</i>	San Antonio collinsia			1B.2	Chaparral, cismontane woodland. Shale substrates. 919 to 1198 ft in elevation. Blooms March-May.
<i>Collinsia multicolor</i>	San Francisco collinsia			1B.2	Closed-cone coniferous forest, coastal scrub. On decomposed shale (mudstone) mixed with humus; sometimes on serpentine. 98 to 820 ft in elevation. Blooms (February), March-May.
<i>Deinandra bacigalupii</i>	Livermore tarplant			1B.1	Meadows and seeps. Alkaline meadows. 509 to 656 ft in elevation. Blooms June-October.

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<i>Deinandra halliana</i>	Hall's tarplant			1B.2	Cismontane woodland, chenopod scrub, valley and foothill grassland. Reported from a variety of substrates including clay, sand, and alkaline soils. 509 to 2986 ft in elevation. Blooms April-May.
<i>Delphinium californicum</i> ssp. <i>interius</i>	Hospital Canyon larkspur			1B.2	Cismontane woodland, chaparral, coastal scrub. In wet, boggy meadows, openings in chaparral and in canyons. 640 to 3593 ft in elevation. Blooms April-June.
<i>Delphinium parryi</i> ssp. <i>eastwoodiae</i>	Eastwood's larkspur			1B.2	Chaparral, valley and foothill grassland. Serpentine. Openings. 197 to 2100 ft in elevation. Blooms (February), March.
<i>Delphinium recurvatum</i>	recurved larkspur			1B.2	Chenopod scrub, valley and foothill grassland, cismontane woodland. On alkaline soils; often in valley saltbush or valley chenopod scrub. 10 to 2592 ft in elevation. Blooms March-June.
<i>Delphinium umbracolorum</i>	umbrella larkspur			1B.3	Cismontane woodland. Mesic sites. 1312 to 5249 ft in elevation. Blooms April-June.
<i>Dudleya abramsii</i> ssp. <i>murina</i>	mouse-gray dudleya			1B.3	Chaparral, cismontane woodland, valley and foothill grassland. Serpentine outcrops. 82 to 1755 ft in elevation. Blooms May-June.
<i>Eriastrum luteum</i>	yellow-flowered eriastrum			1B.2	Broadleaved upland forest, cismontane woodland, chaparral. On bare sandy decomposed granite slopes. 787 to 1903 ft in elevation. Blooms May-June.
<i>Eriogonum eastwoodianum</i>	Eastwood's buckwheat			1B.3	Cismontane woodland, valley and foothill grassland. Shale, including diatomaceous shale. 656 to 3281 ft in elevation. Blooms May-September.
<i>Eriogonum heermannii</i> var. <i>occidentale</i>	western Heermann's buckwheat			1B.2	Cismontane woodland. Openings. Often on serpentine alluvium or on roadsides; rarely on clay or shale slopes. 1345 to 2641 ft in elevation. Blooms July-October.
<i>Eriogonum nortonii</i>	Pinnacles buckwheat			1B.3	Chaparral, valley and foothill grassland. Sandy soils; often on recent burns; western Santa Lucias. 984 to 3199 ft in elevation. Blooms (April), May-August (September).
<i>Eriogonum temblorense</i>	Temblor buckwheat			1B.2	Valley and foothill grassland. Barren clay or sandstone substrates. 984 to 3281 ft in elevation. Blooms (April), May-September.
<i>Eriogonum truncatum</i>	Mt. Diablo buckwheat			1B.1	Chaparral, coastal scrub, valley and foothill grassland. Dry, exposed clay or sandy substrates. 344 to 1148 ft in elevation. Blooms April-September (November),(December).
<i>Eryngium spinosepalum</i>	spiny-sepaled button-celery			1B.2	Vernal pools within valley and foothill grassland. Some sites on clay soil of granitic origin. 262 to 837 ft in elevation. Blooms April-June.
<i>Erythranthe hardhamiae</i>	Santa Lucia monkeyflower			1B.1	Chaparral. Sandy soils in openings, sand-filled crevices of sandstone outcrops, sometimes serpentinite. 984 to 2313 ft in elevation. Blooms March-May.
<i>Eschscholzia lemmonii</i> ssp. <i>kernensis</i>	Tejon poppy			1B.1	Valley and foothill grassland, chenopod scrub. Little information available on habitat. 443 to 4446 ft in elevation. Blooms (February), March-May.
<i>Eschscholzia rhombipetala</i>	diamond-petaled California poppy			1B.1	Valley and foothill grassland. Alkaline, clay slopes and flats. 98 to 2051 ft in elevation. Blooms March-April.
<i>Extriplex joaquinana</i>	San Joaquin spearscale			1B.2	Alkali playa. Chenopod scrub, alkali meadow, playas, valley and foothill grassland. In seasonal alkali wetlands or alkali sink scrub with <i>Distichlis spicata</i> , <i>Frankenia</i> , etc. 3 to 2740 ft in elevation. Blooms April-October.
<i>Fritillaria falcata</i>	talus fritillary			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. On shale, granite, or serpentine talus. 1394 to 4708 ft in elevation. Blooms March-May.
<i>Fritillaria liliacea</i>	fragrant fritillary			1B.2	Coastal scrub, valley and foothill grassland, coastal prairie, cismontane woodland. Often on serpentine; various soils reported though usually on clay, in grassland. 10 to 1312 ft in elevation. Blooms February-April.
<i>Fritillaria ojaiensis</i>	Ojai fritillary			1B.2	Broadleaved upland forest (mesic), chaparral, lower montane coniferous forest, cismontane woodland. Usually loamy soil. Sometimes on serpentine; sometimes along roadsides. 738 to 3281 ft in elevation. Blooms February-May.
<i>Fritillaria viridea</i>	San Benito fritillary			1B.2	Chaparral, cismontane woodland. Serpentine slopes. Sometimes on rocky streambanks. 1198 to 4462 ft in elevation. Blooms March-May.
<i>Githopsis tenella</i>	delicate bluecup			1B.3	Chaparral, cismontane woodland. Mesic sites. 3609 to 6234 ft in elevation. Blooms April-June.
<i>Helianthella castanea</i>	Diablo helianthella			1B.2	Broadleaved upland forest, chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland. Usually in chaparral/oak woodland interface in rocky, azonal soils. Often in partial shade. 148 to 3510 ft in elevation. Blooms March-June.
<i>Hesperolinon breweri</i>	Brewer's western flax			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Often in rocky serpentine soil in serpentine chaparral and serpentine grassland. 640 to 2904 ft in elevation. Blooms May-July.
<i>Hoita strobilina</i>	Loma Prieta hoita			1B.1	Chaparral, cismontane woodland, riparian woodland. Serpentine; mesic sites. 197 to 3199 ft in elevation. Blooms May-July (August),(October).
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia			1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 49 to 5397 ft in elevation. Blooms February-July (September).
<i>Horkelia cuneata</i> var. <i>sericea</i>	Kellogg's horkelia			1B.1	Closed-cone coniferous forest, coastal scrub, coastal dunes, chaparral. Old dunes, coastal sandhills; openings. 16 to 705 ft in elevation. Blooms April-September.
<i>Juncus luciensis</i>	Santa Lucia dwarf rush			1B.2	Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub. Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 984 to 6693 ft in elevation. Blooms April-July.
<i>Lagophylla diabolensis</i>	Diablo Range hare-leaf			1B.2	Cismontane woodland, valley and foothill grassland. Clay. 1198 to 2904 ft in elevation. Blooms April-September.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields			1B.1	Alkali playa, wetland. Coastal salt marshes, playas, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 3 to 4511 ft in elevation. Blooms February-June.
<i>Layia discoidea</i>	rayless layia			1B.1	Chaparral, cismontane woodland, lower montane coniferous forest. On serpentine alluvium and serpentine talus. 2608 to 5200 ft in elevation. Blooms May.
<i>Layia heterotricha</i>	pale-yellow layia			1B.1	Cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Alkaline or clay soils; open areas. 295 to 5906 ft in elevation. Blooms March-June.
<i>Layia munzii</i>	Munz's tidy-tips			1B.2	Chenopod scrub, valley and foothill grassland. Hillsides, in white-gray alkaline clay soils, w/grasses and chenopod scrub associates. 492 to 2297 ft in elevation. Blooms March-April.
<i>Legenere limosa</i>	legenere			1B.1	Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
<i>Lepidium jaredii</i> ssp. <i>album</i>	Panoche pepper-grass			1B.2	Valley and foothill grassland. White or gray clay lenses on steep slopes; incidental in alluvial fans and washes. Clay and gypsum-rich soils. 213 to 3002 ft in elevation. Blooms February-June.

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<i>Lepidium jaredii</i> ssp. <i>jaredii</i>	Jared's pepper-grass			1B.2	Valley and foothill grassland. Alkali flats and sinks. Sandy, alkaline, sometimes adobe soils. 738 to 3297 ft in elevation. Blooms March-May.
<i>Leptosyne hamiltonii</i>	Mt. Hamilton coreopsis			1B.2	Cismontane woodland. On steep shale talus with open southwestern exposure. 1739 to 4265 ft in elevation. Blooms March-May.
<i>Lessingia micradenia</i> var. <i>glabrata</i>	smooth lessingia			1B.2	Chaparral, cismontane woodland. Serpentine; often on roadsides. 394 to 1378 ft in elevation. Blooms (May),(June), July-November.
<i>Lomatium observatorium</i>	Mt. Hamilton lomatium			1B.2	Cismontane woodland. Open to partially shaded openings in Pinus coulteri-oak woodland. Sedimentary Franciscan rocks and volcanics. 1788 to 4003 ft in elevation. Blooms March-May.
<i>Lupinus ludovicianus</i>	San Luis Obispo County lupine			1B.2	Chaparral, cismontane woodland. Open areas in sandy soil, Santa Margarita formation. 279 to 1722 ft in elevation. Blooms April-July.
<i>Madia radiata</i>	showy golden madia			1B.1	Valley and foothill grassland, cismontane woodland. Mostly on adobe clay in grassland or among shrubs. 246 to 4003 ft in elevation. Blooms March-May.
<i>Malacothamnus abbottii</i>	Abbott's bush-mallow			1B.1	Riparian scrub. Among willows near rivers and along roadsides. 443 to 1608 ft in elevation. Blooms May-October.
<i>Malacothamnus aboriginum</i>	Indian Valley bush-mallow			1B.2	Cismontane woodland, chaparral. Granitic outcrops and sandy bare soil, often in disturbed soils. 492 to 3707 ft in elevation. Blooms April-October.
<i>Malacothamnus davidsonii</i>	Davidson's bush-mallow			1B.2	Coastal scrub, riparian woodland, chaparral, cismontane woodland. Sandy washes. 492 to 5003 ft in elevation. Blooms June-January.
<i>Malacothamnus gracilis</i>	slender bush-mallow			1B.1	Chaparral. Dry, rocky slopes. 623 to 1886 ft in elevation. Blooms May-October.
<i>Malacothamnus hallii</i>	Hall's bush-mallow			1B.2	Chaparral, coastal scrub. Some populations on serpentine. 33 to 2395 ft in elevation. Blooms May-September (October).
<i>Malacothamnus palmeri</i> var. <i>involutus</i>	Carmel Valley bush-mallow			1B.2	Cismontane woodland, chaparral, coastal scrub. Talus hilltops and slopes, sometimes on serpentine. Fire dependent. 98 to 3609 ft in elevation. Blooms April-October.
<i>Malacothamnus palmeri</i> var. <i>palmeri</i>	Santa Lucia bush-mallow			1B.2	Chaparral. Dry rocky slopes, mostly near summits, but occasionally extending down canyons to the sea. 197 to 1181 ft in elevation. Blooms May-July.
<i>Malacothrix saxatilis</i> var. <i>arachnoidea</i>	Carmel Valley malacothrix			1B.2	Chaparral, coastal scrub. Rock outcrops or steep rocky roadcuts. 82 to 4003 ft in elevation. Blooms (March), June-December.
<i>Meconella oregana</i>	Oregon meconella			1B.1	Coastal prairie, coastal scrub. Open, moist places. 197 to 2100 ft in elevation. Blooms March-April.
<i>Monardella palmeri</i>	Palmer's monardella			1B.2	Cismontane woodland, chaparral. On serpentine, often found associated with Sargent cypress forests. 656 to 2625 ft in elevation. Blooms June-August.
<i>Monardella sinuata</i> ssp. <i>sinuata</i>	southern curly-leaved monardella			1B.2	Coastal dunes, coastal scrub, chaparral, cismontane woodlands. Sandy soils. 0 to 984 ft in elevation. Blooms April-September.
<i>Monolopia gracilens</i>	woodland woollythreads			1B.2	Chaparral, valley and foothill grassland, cismontane woodland, broadleaved upland forest, north coast coniferous forest. Grassy sites, in openings; sandy to rocky soils. Often seen on serpentine after burns but may have only weak affinity to serpentine. 328 to 3937 ft in elevation. Blooms (February), March-July.
<i>Navarretia gowenii</i>	Lime Ridge navarretia			1B.1	Chaparral. On calcium carbonate-rich soil with high clay content. 591 to 1001 ft in elevation. Blooms May-June.
<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	shining navarretia			1B.2	Cismontane woodland, valley and foothill grassland, vernal pools. Apparently in grassland, and not necessarily in vernal pools. 197 to 3199 ft in elevation. Blooms (March), April-July.
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia			1B.1	Vernal pools, meadows and seeps within coastal scrub, valley and foothill grassland. Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 10 to 4052 ft in elevation. Blooms April-July.
<i>Nemacladus secundiflorus</i> var. <i>robbinsii</i>	Robbins' nemacladus			1B.2	Chaparral, valley and foothill grassland. Dry, sandy or gravelly slopes. 1148 to 5577 ft in elevation. Blooms April-June.
<i>Pentachaeta exilis</i> ssp. <i>aeolica</i>	San Benito pentachaeta			1B.2	Cismontane woodland, valley and foothill grassland. Grassy areas. 1198 to 2805 ft in elevation. Blooms March-May.
<i>Phacelia phacelioides</i>	Mt. Diablo phacelia			1B.2	Chaparral, cismontane woodland. Adjacent to trails, on rock outcrops and talus slopes; sometimes on serpentine. 1985 to 4413 ft in elevation. Blooms April-May.
<i>Plagiobothrys uncinatus</i>	hooked popcornflower			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Sandstone outcrops and canyon sides; often in burned or disturbed areas. 984 to 2493 ft in elevation. Blooms April-May.
<i>Plagiobothrys verrucosus</i>	warty popcornflower			2B.1	Chaparral. Shale substrate. 2198 to 2510 ft in elevation. Blooms April-May.
<i>Puccinellia simplex</i>	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernal mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
<i>Senecio aphanactis</i>	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
<i>Sidalcea hickmanii</i> ssp. <i>hickmanii</i>	Hickman's checkerbloom			1B.3	Chaparral. Grassy openings in chaparral, and on dry ridges. 1099 to 3937 ft in elevation. Blooms May-July.
<i>Spergularia macrotheca</i> var. <i>longistyla</i>	long-styled sand-spurrey			1B.2	Marshes and swamps, meadows and seeps. Alkaline. 0 to 836 ft in elevation. Blooms February-May.
<i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	most beautiful jewelflower			1B.2	Chaparral, valley and foothill grassland, cismontane woodland on serpentine outcrops, on ridges and slopes. 312 to 3281 ft in elevation. Blooms (March), April-September (October).
<i>Streptanthus callistus</i>	Mt. Hamilton jewelflower			1B.3	Chaparral, cismontane woodland. Open talus slopes on shale with gray pine and/or black oak. 1969 to 2592 ft in elevation. Blooms April-May.
<i>Streptanthus insignis</i> ssp. <i>lyonii</i>	Arburua Ranch jewelflower			1B.2	Coastal scrub on serpentine slopes; also on non-serpentine. 755 to 2805 ft in elevation. Blooms March-May.
<i>Stylocline citroleum</i>	oil neststraw			1B.1	Chenopod scrub, coastal scrub, valley and foothill grassland. Flats, clay soils in oil-producing areas. 164 to 1312 ft in elevation. Blooms March-April.
<i>Stylocline masonii</i>	Mason's neststraw			1B.1	Desert wash. Chenopod scrub, pinyon and juniper woodland. Sandy washes. 328 to 3937 ft in elevation. Blooms March-May.

Table 2a Special-Status Plant Species Known or with Potential to Occur in the Central California Coast Ranges Ecoregion (M262A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Trifolium buckwestiorum</i>	Santa Cruz clover			1B.1	Coastal prairie, broadleafed upland forest, cismontane woodland. Moist grassland. Gravelly margins. 344 to 2001 ft in elevation. Blooms April-October.
<i>Triteleia ixioides</i> ssp. <i>cookii</i>	Cook's triteleia			1B.3	Cismontane woodland, closed-cone coniferous forest. Streamsides, wet ravines; on serpentine and in serpentine seeps. Sometimes near cypresses. 394 to 2411 ft in elevation. Blooms May-June.
<i>Tropidocarpum capparideum</i>	caper-fruited tropidocarpum			1B.1	Valley and foothill grassland. Alkaline clay. 0 to 1181 ft in elevation. Blooms March-April.

Listing Status
 E = Endangered
 T = Threatened
 R = Rare

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere
 3 = Plants for which we need more information – review list

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 – Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 2b Special-Status Wildlife Species Known or with Potential to Occur in the Central California Coast Ranges Ecological Section (M262A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																								Total Acreage of Associated CWHR Types within the Treatable Landscape ¹	
		Federal	State	Alkali Desert Scrub	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Desert Scrub	Eucalyptus	Juniper	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Ponderosa Pine	Redwood	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian		Valley Oak Woodland
Invertebrates																													
Federal and State Listed/CDFW Fully Protected																													
<i>Bombus crotchii</i>	Crotch bumble bee ²		C		X		X	X		X	X	X						X	X	X	X		X	X		X	X	X	1,544,107
<i>Bombus occidentalis occidentalis</i>	western bumble bee ²		C		X		X	X		X	X							X	X	X	X		X	X		X	X	X	1,079,307
<i>Branchinecta conservatio</i>	conservancy fairy shrimp ²	E		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	1,032,566
<i>Branchinecta longiantenna</i>	longhorn fairy shrimp ²	E		X	X		X	X	X		X	X		X		X	X			X						X		57,110	
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp ²	T		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	1,630,252
<i>Callophrys mossii bayensis</i>	San Bruno elfin butterfly	E		X	X		X	X	X		X	X		X		X										X	X	128,860	
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	T		X	X		X	X	X		X	X			X		X							X		X	X	173,344	
<i>Euphydryas editha bayensis</i>	Bay checkerspot butterfly	T		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X		X	X	X	X	671,579
<i>Euproserpinus euterpe</i>	Kern primrose sphinx moth	T		X	X		X			X	X	X		X	X					X	X			X		X		14,707	
<i>Helminthoglypta walkeriana</i>	Morro shoulderband (=banded dune) snail	E		X	X	X	X	X	X		X	X	X	X	X		X	X		X						X	X	34,415	
<i>Lepidurus packardii</i>	vernal pool tadpole shrimp ²	E		X	X		X	X	X		X	X		X		X										X	X	118,615	
<i>Monadenia infumata setosa</i>	Trinity bristle snail		T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,985,255
<i>Speyeria callippe callippe</i>	callippe silverspot butterfly	E		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	1,183,577
Mammals																													
Federal and State Listed/CDFW Fully Protected																													
<i>Ammospermophilus nelsoni</i>	Nelson's antelope squirrel		T	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	220,487
<i>Bassariscus astutus</i>	ringtail		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,962,829
<i>Dipodomys ingens</i>	giant kangaroo rat	E	E	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	343,604	
<i>Dipodomys nitratoides exilis</i>	Fresno kangaroo rat	E	E	X	X		X	X	X		X			X	X		X			X				X		X	X	26,982	
<i>Dipodomys nitratoides nitratoides</i>	Tipton kangaroo rat	E	E	X	X		X		X		X	X		X	X					X						X		24,363	
<i>Microtus californicus scirpensis</i>	Amargosa vole	E	E	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X		X	X	X	X	801,267	
<i>Ovis canadensis nelsoni</i>	desert bighorn sheep		FP		X		X		X		X	X		X	X	X			X									8,354	
<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse ²	E	E FP		X		X																					<1	
<i>Sorex ornatus relictus</i>	Buena Vista Lake ornate shrew	E	SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	1,188,807
<i>Sylvilagus bachmani riparius</i>	riparian brush rabbit	E	E		X																							7	
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	E	T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	838,858
<i>Vulpes vulpes necator</i>	Sierra Nevada red fox	C	T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,985,255
CDFW Species of Special Concern																													
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,985,255
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,985,255
<i>Dipodomys nitratoides brevinasus</i>	short-nosed kangaroo rat		SC	X	X							X									X							-	

Table 2b Special-Status Wildlife Species Known or with Potential to Occur in the Central California Coast Ranges Ecological Section (M262A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																							Total Acreage of Associated CWHR Types within the Treatable Landscape ¹					
		Federal	State	Alkali Desert Scrub	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Desert Scrub	Eucalyptus	Juniper	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Ponderosa Pine	Redwood	Sagebrush	Sierran Mixed Conifer		Valley Foothill Riparian	Valley Oak Woodland			
<i>Dipodomys venustus elephantinus</i>	big-eared kangaroo rat		SC						X			X				X	X															-
<i>Eumops perotis californicus</i>	western mastiff bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,971,389	
<i>Lasiurus blossevillii</i>	western red bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,985,255	
<i>Neotoma fuscipes annectens</i>	San Francisco dusky-footed woodrat		SC				X	X	X		X	X		X			X							X			X	X		-		
<i>Neotoma macrotis luciana</i>	Monterey dusky-footed woodrat		SC				X	X	X		X	X				X	X	X		X								X			-	
<i>Onychomys torridus tularensis</i>	Tulare grasshopper mouse		SC	X	X								X								X										-	
<i>Perognathus inornatus psammophilus</i>	Salinas pocket mouse		SC																												-	
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,985,255	
Reptiles																																
Federal and State Listed/CDFW Fully Protected																																
<i>Gambelia sila</i>	blunt-nosed leopard lizard	E	E FP	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X			X	X	X	X		245,843		
<i>Masticophis lateralis euryxanthus</i>	Alameda striped racer	T	T		X		X	X	X		X	X		X			X										X	X		228,824		
<i>Thamnophis gigas</i>	giant garter snake ²	T	T		X		X																							<1		
<i>Thamnophis sirtalis tetrataenia</i>	San Francisco garter snake	E	E FP																								X			<1		
CDFW Species of Special Concern																																
<i>Anniella sp.</i>	California legless lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,985,113	
<i>Arizona elegans occidentalis</i>	California glossy snake		SC	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X			X	X	X	X		967,803		
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		1,985,255	
<i>Masticophis flagellum ruddocki</i>	San Joaquin coachwhip		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		1,478,048	
<i>Phrynosoma blainvillii</i>	coast horned lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		1,985,255	
<i>Salvadora hexalepis virgultea</i>	coast patch-nosed snake		SC	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X				X	X	X	X		239,730		
<i>Thamnophis hammondi</i>	two-striped garter snake ²		SC	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X	X			X	X	X	X	X		1,220,040		

Listing Status

E = Endangered

T = Threatened

C = Candidate for listing

FP = Fully Protected

SC = CDFW Species of Special Concern

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.

² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.

Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019

Table 3a Special-Status Plant Species Known or with Potential to Occur in the Colorado Desert Ecological Section (322C) within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Astragalus lentiginosus</i> var. <i>cochellae</i>	Coachella Valley milk-vetch	E		1B.2	Sonoran desert scrub, desert dunes. Sandy flats, washes, outwash fans, sometimes on dunes. 115 to 2280 ft in elevation. Blooms February-May.
<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch	E		1B.2	Desert wash. Joshua tree woodland, Sonoran desert scrub. Hot, rocky slopes in canyons and along edge of boulder-strewn desert washes, with Larrea and Encelia. 1493 to 5003 ft in elevation. Blooms February-May.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	E	E	1B.1	Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub). Flood deposited terraces and washes; associates include Encelia, Dalea, Lepidospartum, etc. Sandy soils. 656 to 2510 ft in elevation. Blooms April-June.
California Rare Plant Ranked					
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena			1B.1	Chaparral, coastal scrub, desert dunes. Sandy areas. 246 to 5249 ft in elevation. Blooms January-September.
<i>Acmispon haydonii</i>	pygmy lotus			1B.3	Sonoran desert scrub, pinyon and juniper woodland. Creosote bush scrub to pinyon-juniper woodland; rocky sites. 591 to 4199 ft in elevation. Blooms January-June.
<i>Astragalus insularis</i> var. <i>harwoodii</i>	Harwood's milk-vetch			2B.2	Desert dunes, Mojavean desert scrub. Open sandy flats and sandy or stony desert washes; mostly in creosote bush scrub. 164 to 2297 ft in elevation. Blooms January-May.
<i>Astragalus sabulorum</i>	gravel milk-vetch			2B.2	Sonoran desert scrub, desert dunes. Sandy flats, washes, outwash fans, sometimes on dunes. 115 to 2280 ft in elevation. Blooms February-May.
<i>Atriplex parishii</i>	Parish's brittle-scale			1B.1	Desert dunes, Mojavean desert scrub, Sonoran desert scrub. Sandy or gravelly flats, washes, and roadsides. 197 to 2904 ft in elevation. Blooms February-June.
<i>Ayenia compacta</i>	California ayenia			2B.3	Desert wash. Joshua tree woodland, Sonoran desert scrub. Hot, rocky slopes in canyons and along edge of boulder-strewn desert washes, with Larrea and Encelia. 1493 to 5003 ft in elevation. Blooms February-May.
<i>Bursera microphylla</i>	little-leaf elephant tree			2B.3	Alkali playa, wetland. Vernal pools, chenopod scrub, playas. Usually on drying alkali flats with fine soils. 16 to 4659 ft in elevation. Blooms June-October.
<i>Chaenactis carphoclinia</i> var. <i>peirsonii</i>	Peirson's pincushion			1B.3	Desert wash. Mojavean desert scrub, Sonoran desert scrub. Sandy and gravelly washes in the desert; dry desert canyons. 197 to 6004 ft in elevation. Blooms March-April.
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower			1B.1	Sonoran desert scrub. Hillsides and washes and on canyon sides in California; rocky sites. 640 to 2001 ft in elevation. Blooms June-July.
<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower			1B.2	Sonoran desert scrub. Open rocky or sandy sites. 10 to 607 ft in elevation. Blooms March-April.
<i>Cryptantha ganderi</i>	Gander's cryptantha			1B.1	Coastal scrub, chaparral, cismontane woodland, valley and foothill grassland. Dry slopes and flats; sometimes at interface of 2 vegetation types, such as chaparral and oak woodland; dry, sandy soils. 738 to 4003 ft in elevation. Blooms April-June.
<i>Cylindropuntia fosbergii</i>	pink teddy-bear cholla			1B.3	Mojavean desert scrub, pinyon-juniper woodland, coastal scrub (alluvial fans). Sandy or gravelly places. 984 to 3937 ft in elevation. Blooms April-June.
<i>Eriastrum harwoodii</i>	Harwood's eriastrum			1B.2	Sonoran desert scrub, desert dunes. On dunes and in washes. 509 to 1017 ft in elevation. Blooms February-May.
<i>Euphorbia arizonica</i>	Arizona spurge			2B.3	Sonoran desert scrub. 279 to 2789 ft in elevation. Blooms March-May.
<i>Euphorbia misera</i>	cliff spurge			2B.2	Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub). Flood deposited terraces and washes; associates include Encelia, Dalea, Lepidospartum, etc. Sandy soils. 656 to 2510 ft in elevation. Blooms April-June.
<i>Imperata brevifolia</i>	California satintail			2B.1	Desert dunes. 246 to 2362 ft in elevation. Blooms March-June.
<i>Lepidium flavum</i> var. <i>felipense</i>	Blair Valley pepper-grass			1B.2	Cismontane woodland, chaparral. Gravelly slopes and flats; often on serpentine. 656 to 5249 ft in elevation. Blooms May-July.
<i>Leptosiphon floribundus</i> ssp. <i>hallii</i>	Santa Rosa Mountains leptosiphon			1B.3	Sonoran desert scrub. Sandy soils. 492 to 2953 ft in elevation. Blooms March-April.
<i>Linanthus maculatus</i> ssp. <i>emaculatus</i>	Jacumba Mountains linanthus			1B.1	Coastal bluff scrub, coastal scrub, Mojavean desert scrub. Rocky sites. 10 to 1411 ft in elevation. Blooms December-August (October).
<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. linanthus			1B.2	Coastal scrub, chaparral, riparian scrub, Mojavean desert scrub, meadows and seeps (alkali), riparian scrub. Mesic sites, alkali seeps, riparian areas. 10 to 4905 ft in elevation. Blooms September-May.
<i>Lupinus albifrons</i> var. <i>medius</i>	Mountain Springs bush lupine			1B.3	Sonoran desert scrub, pinyon and juniper woodland. Sandy, clay, or silty soils. 1099 to 2756 ft in elevation. Blooms March-May.
<i>Lycium parishii</i>	Parish's desert-thorn			2B.3	Sonoran desert scrub, pinyon and juniper woodland. Desert canyons. 3281 to 6562 ft in elevation. Blooms May-July (November).
<i>Malperia tenuis</i>	brown turbans			2B.3	Desert dunes, Sonoran desert scrub. Sandy or coarse, opaque-white, decomposed granite soils of washes and on flats near wash margins. Also on edges of desert dunes. 1115 to 1919 ft in elevation. Blooms (March), Apr (May),..
<i>Matelea parvifolia</i>	spear-leaf matelea			2B.3	Desert dunes, Sonoran desert scrub, Mojavean desert scrub, Joshua tree woodland. Sandy places. Usually in light-colored quartz sand; often in wash or bajada. 459 to 6808 ft in elevation. Blooms March-May.
<i>Mentzelia hirsutissima</i>	hairy stickleaf			2B.3	Pinyon and juniper woodland, Sonoran desert scrub. Dry, sandy, gently sloping canyon washes, sandy soil pockets, and flats in steeper slopes and drainages. 1394 to 4494 ft in elevation. Blooms March-May.
<i>Mentzelia tricuspis</i>	spiny-hair blazing star			2B.1	Desert wash. Pinyon and juniper woodland, Sonoran desert scrub. Dry, sandy, gently sloping canyon washes, sandy soil pockets, and flats in steeper slopes and drainages. 1394 to 4495 ft in elevation. Blooms March-May.
<i>Nemacaulis denudata</i> var. <i>gracilis</i>	slender cottonheads			2B.2	Coastal scrub, Sonoran desert scrub. 443 to 3281 ft in elevation. Blooms March-April.
<i>Penstemon pseudospectabilis</i> ssp. <i>pseudospectabilis</i>	desert beardtongue			2B.2	Mojavean desert scrub, Sonoran desert scrub. Dry rocky ledges and slopes. 1444 to 3593 ft in elevation. Blooms March-May (July).
<i>Petalonyx linearis</i>	narrow-leaf sandpaper-plant			2B.3	Sonoran desert scrub. Washes, fans, slopes; coarse rubble and talus slopes; rocky sites. 0 to 2297 ft in elevation. Blooms March-May.

Table 3a Special-Status Plant Species Known or with Potential to Occur in the Colorado Desert Ecological Section (322C) within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Pholistoma auritum</i> var. <i>arizonicum</i>	Arizona pholistoma			2B.3	Mojavean desert scrub. Sandy or gravelly slopes and washes. 492 to 4199 ft in elevation. Blooms March-May.
<i>Pseudorontium cyathiferum</i>	Deep Canyon snapdragon			2B.3	Coastal dunes, desert dunes, Sonoran desert scrub. In dunes or sand. -164 to 1312 ft in elevation. Blooms (March), April-May.
<i>Saltugilia latimeri</i>	Latimer's woodland-gilia			1B.2	Mojavean desert scrub, Sonoran desert scrub. Often in sandy washes; sometimes on rocky slopes. 262 to 5709 ft in elevation. Blooms January-May.
<i>Selaginella eremophila</i>	desert spike-moss			2B.2	Mojavean desert scrub, Sonoran desert scrub. Sandy or rocky canyons. -82 to 3658 ft in elevation. Blooms (January),(February), March-May (June),(July),(August),(September),(October),(November),(December).
<i>Spermolepis infernensis</i>	Hellhole scaleseed			1B.2	Mojavean desert scrub. 902 to 2740 ft in elevation. Blooms March.
<i>Wislizenia refracta</i> ssp. <i>palmeri</i>	Palmer's jackass clover			2B.2	Sonoran desert scrub. Rocky sites. 0 to 2625 ft in elevation. Blooms February-April.
<i>Xylorhiza cognata</i>	Mecca-aster			1B.2	Chaparral, Mojavean desert scrub, pinyon and juniper woodland. Rocky or sandy substrate; sometimes in washes, sometimes limestone. 394 to 7218 ft in elevation. Blooms March-June.
<i>Xylorhiza orcuttii</i>	Orcutt's woody-aster			1B.2	Sonoran desert scrub, chaparral. Shaded sites, gravelly soils; crevices or among rocks. 656 to 2953 ft in elevation. Blooms (May), June (July).

Listing Status
 E = Endangered

California Rare Plant Rank
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 - Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 - Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 3b Special-Status Wildlife Species Known or with Potential to Occur in the Colorado Desert Ecological Section (322C)																
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape												Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Alkali Desert Scrub	Annual Grassland	Chamise-Redshank Chaparral	Coastal Scrub	Desert Scrub	Desert Succulent Shrub	Juniper	Mixed Chaparral	Montane Hardwood	Montane Riparian	Pinyon-Juniper	Sagebrush	
Amphibians																
Federal and State Listed/CDFW Fully Protected																
Batrachoseps major aridus	desert slender salamander	E	E					X								20
Rana draytonii	California red-legged frog ²	T	SC	X	X	X	X	X	X		X		X			8,998
Rana muscosa	southern mountain yellow-legged frog ²	E	E		X	X	X	X			X	X	X			<1
CDFW Species of Special Concern																
Scaphiopus couchii	Couch's spadefoot ²		SC	X	X			X								1,118
Spea hammondii	western spadefoot ²		SC		X		X	X								1,413
Birds																
Federal and State Listed/CDFW Fully Protected																
Aquila chrysaetos	golden eagle		FP	X	X	X	X	X	X	X	X	X	X	X	X	25,179
Elanus leucurus	white-tailed kite		FP	X	X	X	X	X			X	X	X			11,324
Empidonax traillii extimus	southwestern willow flycatcher	E	E	X	X	X	X	X	X		X	X	X			19,022
Falco peregrinus anatum	American peregrine falcon		FP	X	X	X	X	X			X	X	X			11,324
Haliaeetus laucocephalus	bald eagle		E FP		X	X	X	X								<1
Laterallus jamaicensis coturniculus	California black rail ²		T FP	X	X			X					X			-
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	X	X	X	X	X	X	X	X	X	X	X	X	25,179
Pelecanus occidentalis californicus	California brown pelican ²		FP	X	X	X	X	X			X	X	X			11,324
Vireo bellii pusillus	least Bell's vireo	E	E	X	X	X	X	X	X		X	X	X			12,644
CDFW Species of Special Concern																
Accipiter gentilis	northern goshawk		SC					X		X				X	X	296
Asio otus	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	15,337
Athene cunicularia	burrowing owl		SC	X	X	X	X	X			X	X	X			15,473
Charadrius montanus	mountain plover		SC	X	X		X	X								328
Circus cyaneus	northern harrier		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,1779
Contopus cooperi	olive-sided flycatcher		SC		X	X	X	X								<1
Cypseloides niger	black swift		SC	X	X		X	X			X	X				2,486
Icteria virens	yellow-breasted chat		SC	X	X	X	X	X	X		X	X	X			9,329
Lanius ludovicianus	loggerhead shrike		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,179
Pelecanus erythrorhynchos	American white pelican ²		SC	X	X		X	X								3,354
Poocetes gramineus affinis	Oregon vesper sparrow		SC	X	X		X	X						X		5,523
Piranga rubra	summer tanager		SC		X	X	X	X			X		X			1,730
Progne subis	purple martin		SC		X	X	X	X								<1
Setophaga petechia	yellow warbler		SC	X	X	X	X	X			X		X			1,414

Table 3b Special-Status Wildlife Species Known or with Potential to Occur in the Colorado Desert Ecological Section (322C)																
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape												Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Alkali Desert Scrub	Annual Grassland	Chamise-Redshank Chaparral	Coastal Scrub	Desert Scrub	Desert Succulent Shrub	Juniper	Mixed Chaparral	Montane Hardwood	Montane Riparian	Pinyon-Juniper	Sagebrush	
<i>Toxostoma crissale</i>	Crissal thrasher		SC	X	X	X	X	X	X		X	X	X			16,696
<i>Toxostoma lecontei</i>	Le Conte's thrasher		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,179
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird ²		SC	X	X	X	X	X			X	X	X			11,314
Invertebrates																
Federal and State Listed/CDFW Fully Protected																
<i>Bombus crotchii</i>	Crotch bumble bee ²		C		X		X					X	X			3,360
<i>Dinacoma caseyi</i>	Casey's June beetle	E			X			X								68
<i>Euphydryas editha quino</i>	quino checkerspot butterfly	E						X								593
<i>Monadenia infumata setosa</i>	Trinity bristle snail		T	X	X	X	X	X	X	X	X	X	X	X	X	25,179
Mammals																
Federal and State Listed/CDFW Fully Protected																
<i>Bassariscus astutus</i>	ringtail		FP	X	X	X	X	X	X	X	X	X	X	X	X	25,179
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	E	T		X		X	X								<1
<i>Ovis canadensis nelsoni</i>	desert bighorn sheep		FP	X	X	X	X	X	X	X	X	X	X	X	X	25,141
<i>Ovis canadensis nelsoni</i> pop. 2	Peninsular bighorn sheep DPS	E	T FP	X	X	X	X	X	X	X	X	X		X	X	20,901
<i>Vulpes vulpes necator</i>	Sierra Nevada red fox	C	T	X	X	X	X	X	X	X	X	X	X	X	X	25,179
CDFW Species of Special Concern																
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,179
<i>Chaetodipus fallax pallidus</i>	pallid San Diego pocket mouse		SC	X	X			X	X	X				X	X	-
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,179
<i>Euderma maculatum</i>	spotted bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,179
<i>Eumops perotis californicus</i>	western mastiff bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,179
<i>Glaucomys sabrinus californicus</i>	San Bernardino flying squirrel		SC		X			X								47
<i>Lasiurus xanthinus</i>	western yellow bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,179
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit		SC	X	X	X	X	X	X		X				X	-
<i>Macrotus californicus</i>	California leaf-nosed bat		SC	X	X		X	X	X							15,098
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat		SC		X	X	X	X								<1
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,179
<i>Perognathus longimembris bangsi</i>	Palm Springs pocket mouse		SC	X				X							X	-
<i>Sigmodon hispidus eremicus</i>	Yuma hispid cotton rat		SC		X			X								-
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	25,179
<i>Xerospermophilus tereticaudus chlorus</i>	Palm Springs round-tailed ground squirrel		SC	X				X	X							-

Table 3b Special-Status Wildlife Species Known or with Potential to Occur in the Colorado Desert Ecological Section (322C)																
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape												Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Alkali Desert Scrub	Annual Grassland	Chamise-Redshank Chaparral	Coastal Scrub	Desert Scrub	Desert Succulent Shrub	Juniper	Mixed Chaparral	Montane Hardwood	Montane Riparian	Pinyon-Juniper	Sagebrush	
Reptiles																
Federal and State Listed/CDFW Fully Protected																
<i>Coleonyx switaki</i>	barefoot gecko		T		X		X	X	X							755
<i>Gopherus agassizii</i>	desert tortoise	T	T	X	X	X	X	X			X	X	X			11,324
<i>Uma inornate</i>	Coachella Valley fringe-toed lizard	T	E	X	X	X	X	X			X	X	X			11,269
CDFW Species of Special Concern																
<i>Anniella</i> sp.	California legless lizard		SC	X	X	X	X	X	X	X	X	X	X			9,468
<i>Aspidoscelis tigris stejnegeri</i>	coastal whiptail		SC	X	X		X	X	X							9,145
<i>Crotalus ruber</i>	red-diamond rattlesnake		SC	X	X	X	X	X	X	X	X	X	X	X	X	21,089
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X			X	X	X			6,909
<i>Phrynosoma blainvillii</i>	coast horned lizard		SC	X	X	X	X	X	X	X	X	X	X			1,124
<i>Phrynosoma mcallii</i>	flat-tailed horned lizard		SC	X	X		X	X	X		X					17,608
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake		SC		X	X	X	X								213
<i>Thamnophis hammondi</i>	two-striped gartersnake ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	21,145
<i>Uma notata</i>	Colorado Desert fringe-toed lizard		SC	X	X		X	X	X					X		8,708
Listing Status E = Endangered T = Threatened C = Candidate for listing FP = Fully Protected SC = CDFW Species of Special Concern																
¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available. ² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.																
Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019																

Table 4a Special-Status Plant Species Known or with Potential to Occur in the Great Valley Ecological Section (262A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Arctostaphylos myrtifolia</i>	lone manzanita	T		1B.2	lone formation. Chaparral, cismontane woodland. On lone clay with chaparral associates. Often comprises 50-80% cover. 295 to 1837 ft in elevation. Blooms November-March.
<i>Brodiaea insignis</i>	Kaweah brodiaea		E	1B.2	Cismontane woodland, meadows and seeps, valley and foothill grassland. Granite or clay soils on south to southwest facing slopes; usually in grassland surrounded by foothill woodland. 558 to 4610 ft in elevation. Blooms April-June.
<i>Castilleja campestris</i> var. <i>succulenta</i>	succulent owl's-clover	T	E	1B.2	Vernal pools, often in acidic soils. 66 to 2313 ft in elevation. Blooms (March), April-May.
<i>Caulanthus californicus</i>	California jewelflower	E	E	1B.1	Chenopod scrub, valley and foothill grassland, pinyon and juniper woodland. Sandy soils. 213 to 6102 ft in elevation. Blooms February-May.
<i>Eremalche parryi</i> ssp. <i>kemensis</i>	Kern mallow	E		1B.2	Chenopod scrub, valley and foothill grassland, pinyon and juniper woodlands. On dry, open sandy to clay soils; usually within valley saltbush scrub; often at edge of balds. 230 to 4249 ft in elevation. Blooms January (February), March-May.
<i>Eriogonum apicum</i> var. <i>apicum</i>	lone buckwheat	E	E	1B.1	lone formation. Chaparral. In gravelly openings on lone formation soil. 279 to 492 ft in elevation. Blooms July-October.
<i>Eriogonum apicum</i> var. <i>prostratum</i>	Irish Hill buckwheat	E	E	1B.1	lone formation. Chaparral. Gravelly openings on lone formation soils. 295 to 328 ft in elevation. Blooms June-July.
<i>Euphorbia hooveri</i>	Hoover's spurge	T		1B.2	Vernal pools on volcanic mudflow or clay substrate. 82 to 427 ft in elevation. Blooms July-September (October).
<i>Fritillaria striata</i>	striped adobe-lily		T	1B.1	Cismontane woodland, valley and foothill grassland. Heavy clay adobe soils in oak grassland. 443 to 4790 ft in elevation. Blooms February-April.
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop		E	1B.2	Marshes and swamps (freshwater), vernal pools. Clay soils; usually in vernal pools, sometimes on lake margins. 33 to 7792 ft in elevation. Blooms April-August.
<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	E	E	1B.1	Vernal pools, valley and foothill grassland, wetland. Wet or flowing drainages and depressions; often not in discrete vernal pools; soils are usually Redding clay with rocks. 148 to 3051 ft in elevation. Blooms March-May.
<i>Monolopia congdonii</i>	San Joaquin woollythreads	E		1B.2	Chenopod scrub, valley and foothill grassland. Alkaline or loamy plains; sandy soils, often with grasses and within chenopod scrub. 180 to 2756 ft in elevation. Blooms February-May.
<i>Neostaphia colusana</i>	Colusa grass	T	E	1B.1	Usually in the bottoms of large, or deep vernal pools; adobe soils. 16 to 410 ft in elevation. Blooms May-August.
<i>Opuntia basilaris</i> var. <i>treleasei</i>	Bakersfield cactus	E	E	1B.1	Chenopod scrub, valley and foothill grassland, cismontane woodland. Coarse or cobbly well-drained granitic sand on bluffs, low hills, and flats, within grassland. 279 to 1804 ft in elevation. Blooms April-May.
<i>Orcuttia inaequalis</i>	San Joaquin Valley Orcutt grass	T	E	1B.1	Vernal pools. 33 to 2477 ft in elevation. Blooms April-September.
<i>Orcuttia pilosa</i>	hairy Orcutt grass	E	E	1B.1	Vernal pools. 148 to 656 ft in elevation. Blooms May-September.
<i>Orcuttia tenuis</i>	slender Orcutt grass	T	E	1B.1	Vernal pools. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
<i>Orcuttia viscida</i>	Sacramento Orcutt grass	E	E	1B.1	Vernal pools. 49 to 279 ft in elevation. Blooms April-July (September).
<i>Pseudobahia bahiifolia</i>	Hartweg's golden sunburst	E	E	1B.1	Valley and foothill grassland, cismontane woodland. Clay soils, often acidic. Predominantly on the northern slopes of knolls, but also along shady creeks or near vernal pools. 197 to 558 ft in elevation. Blooms March-April.
<i>Pseudobahia peirsonii</i>	San Joaquin adobe sunburst	T	E	1B.1	Valley and foothill grassland, cismontane woodland. Grassy valley floors and rolling foothills in heavy clay soil. 377 to 2608 ft in elevation. Blooms February-April.
<i>Sidalcea keckii</i>	Keck's checkerbloom	E		1B.1	Cismontane woodland, valley and foothill grassland. Grassy slopes in blue oak woodland. On serpentine-derived, clay soils, at least sometimes. 279 to 1657 ft in elevation. Blooms April-May (June).
<i>Trifolium amoenum</i>	two-fork clover	E		1B.1	Valley and foothill grassland, coastal bluff scrub. Sometimes on serpentine soil, open sunny sites, swales. Most recently cited on roadside and eroding cliff face. 16 to 1017 ft in elevation. Blooms April-June.
<i>Tuctoria greenei</i>	Greene's tuctoria	E	R	1B.1	Vernal pools in open grasslands. 82 to 4347 ft in elevation. Blooms May-July (September).
California Rare Plant Ranked					
<i>Allium howellii</i> var. <i>sanbenitense</i>	San Benito onion			1B.3	Chaparral, valley and foothill grassland. Openings. Clay, often steep slopes. 1280 to 4166 ft in elevation. Blooms April-June.
<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch			1B.2	Alkali playa, valley and foothill grassland, vernal pools. Low ground, alkali flats, and flooded lands; in annual grassland or in playas or vernal pools. 0 to 551 ft in elevation. Blooms March-June.
<i>Atriplex cordulata</i> var. <i>cordulata</i>	heartscale			1B.2	Chenopod scrub, valley and foothill grassland, meadows and seeps. Alkaline flats and scalds in the Central Valley, sandy soils. 10 to 902 ft in elevation. Blooms April-October.
<i>Atriplex coronata</i> var. <i>vallicola</i>	Lost Hills crownscale			1B.2	Chenopod scrub, valley and foothill grassland, vernal pools. In powdery, alkaline soils that are vernal moist with <i>Frankenia</i> , <i>Atriplex</i> spp. and <i>Distichlis</i> . 148 to 2904 ft in elevation. Blooms April-September.
<i>Atriplex depressa</i>	brittlescale			1B.2	Chenopod scrub, meadows and seeps, playas, valley and foothill grassland, vernal pools. Usually in alkali scalds or alkaline clay in meadows or annual grassland; rarely associated with riparian, marshes, or vernal pools. 3 to 1066 ft in elevation. Blooms April-October.
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
<i>Blepharizonia plumosa</i>	big tarplant			1B.1	Valley and foothill grassland. Dry hills and plains in annual grassland. Clay to clay-loam soils; usually on slopes and often in burned areas. 98 to 1657 ft in elevation. Blooms July-October.
<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernal moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
<i>Calochortus striatus</i>	alkali mariposa-lily			1B.2	Chaparral, chenopod scrub, Mojavean desert scrub, meadows and seeps. Alkaline meadows and ephemeral washes. 230 to 7251 ft in elevation. Blooms April-June.

Table 4a Special-Status Plant Species Known or with Potential to Occur in the Great Valley Ecological Section (262A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Calycadenia hooveri</i>	Hoover's calycadenia			1B.3	Cismontane woodland, valley and foothill grassland. On exposed, rocky, barren soil. 230 to 853 ft in elevation. Blooms July-September.
<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs			1B.2	Chaparral, cismontane woodland, meadows and seeps, valley and foothill grassland. Openings in chaparral or grasslands. On serpentine. 66 to 3002 ft in elevation. Blooms April-June.
<i>Caulanthus lemmonii</i>	Lemmon's jewelflower			1B.2	Pinyon and juniper woodland, valley and foothill grassland. 246 to 5200 ft in elevation. Blooms February-May.
<i>Cicuta maculata</i> var. <i>bolanderi</i>	Bolander's water-hemlock			2B.1	Chaparral, cismontane woodland, valley and foothill grassland. Dry, rocky places and hillsides; sometimes on serpentine. 197 to 3100 ft in elevation. Blooms April-August.
<i>Clarkia rostrata</i>	beaked clarkia			1B.3	Marshes and swamps, fresh or brackish water. 0 to 656 ft in elevation. Blooms July-September.
<i>Clarkia tembloriensis</i> ssp. <i>calientensis</i>	Vasek's clarkia			1B.1	Cismontane woodland, valley and foothill grassland. North-facing slopes; sometimes on sandstone. 197 to 3002 ft in elevation. Blooms April-May.
<i>Cryptantha crinita</i>	silky cryptantha			1B.2	Valley and foothill grassland. North-facing slopes with <i>Isomeris</i> , other <i>Clarkia</i> spp. 886 to 1099 ft in elevation. Blooms April.
<i>Cryptantha hooveri</i>	Hoover's cryptantha			1A	Cismontane woodland, valley foothill grassland, lower montane coniferous forest, riparian forest, riparian woodland. In gravelly streambeds. 115 to 4003 ft in elevation. Blooms April-May.
<i>Cryptantha mariposae</i>	Mariposa cryptantha			1B.3	Valley and foothill grassland, inland dunes. In coarse sand. 30 to 492 ft in elevation. Blooms April-May.
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder			2B.2	Marshes and swamps (freshwater). Freshwater marsh. 49 to 919 ft in elevation. Blooms July-October.
<i>Deinandra halliana</i>	Hall's tarplant			1B.2	Cismontane woodland, chenopod scrub, valley and foothill grassland. Reported from a variety of substrates including clay, sand, and alkaline soils. 509 to 2986 ft in elevation. Blooms April-May.
<i>Delphinium recurvatum</i>	recurved larkspur			1B.2	Chenopod scrub, valley and foothill grassland, cismontane woodland. On alkaline soils; often in valley saltbush or valley chenopod scrub. 10 to 2592 ft in elevation. Blooms March-June.
<i>Diplacus pictus</i>	calico monkeyflower			1B.2	Broadleafed upland forest, cismontane woodland. In bare ground around gooseberry bushes or around granite rock outcrops. 328 to 4692 ft in elevation. Blooms March-May.
<i>Downingia pusilla</i>	dwarf downingia			2B.2	Valley and foothill grassland (mesic sites), vernal pools. Vernal lake and pool margins with a variety of associates. In several types of vernal pools. 3 to 1608 ft in elevation. Blooms March-May.
<i>Eriogonum temblorense</i>	Temblor buckwheat			1B.2	Valley and foothill grassland. Barren clay or sandstone substrates. 984 to 3281 ft in elevation. Blooms (April), May-September.
<i>Eryngium pinnatisectum</i>	Tuolumne button-celery			1B.2	Vernal pools, cismontane woodland, lower montane coniferous forest. Volcanic soils; vernal pools and mesic sites within other natural communities. 230 to 3002 ft in elevation. Blooms May-August.
<i>Eryngium spinosepalum</i>	spiny-sepaled button-celery			1B.2	Vernal pools, valley and foothill grassland. Some sites on clay soil of granitic origin; vernal pools, within grassland. 262 to 837 ft in elevation. Blooms April-June.
<i>Erythranthe marmorata</i>	Stanislaus monkeyflower			1B.1	Cismontane woodland, lower montane coniferous forest. 328 to 2953 ft in elevation. Blooms March-May.
<i>Eschscholzia lemmonii</i> ssp. <i>kernensis</i>	Tejon poppy			1B.1	Valley and foothill grassland, chenopod scrub. Little information available on habitat. 443 to 4446 ft in elevation. Blooms (February), March-May.
<i>Eschscholzia rhombipetala</i>	diamond-petaled California poppy			1B.1	Valley and foothill grassland. Alkaline, clay slopes and flats. 98 to 2051 ft in elevation. Blooms March-April.
<i>Euphorbia ocellata</i> ssp. <i>rattanii</i>	Stony Creek spurge			1B.2	Valley and foothill grassland, chaparral. Sandy or rocky soils. 279 to 2625 ft in elevation. Blooms May-October.
<i>Extriplex joaquinana</i>	San Joaquin spearscale			1B.2	Alkali playa. Chenopod scrub, alkali meadow, playas, valley and foothill grassland. In seasonal alkali wetlands or alkali sink scrub with <i>Distichlis spicata</i> , <i>Frankenia</i> , etc. 3 to 2740 ft in elevation. Blooms April-October.
<i>Fritillaria pluriflora</i>	adobe-lily			1B.2	Chaparral, cismontane woodland, foothill grassland. Usually on clay soils; sometimes serpentine. 148 to 3100 ft in elevation. Blooms February-April.
<i>Helianthus winteri</i>	Winter's sunflower			1B.2	Cismontane woodland, valley and foothill grassland. Openings on relatively steep south-facing slopes, granitic, often rocky, often roadsides. 591 to 1509 ft in elevation. Blooms January-December.
<i>Hesperolinon breweri</i>	Brewer's western flax			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Often in rocky serpentine soil in serpentine chaparral and serpentine grassland. 640 to 2904 ft in elevation. Blooms May-July.
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow			1B.2	Marshes and swamps (freshwater). Moist, freshwater-soaked river banks and low peat islands in sloughs; can also occur on riprap and levees. In California, known from the delta watershed. 0 to 509 ft in elevation. Blooms June-September.
<i>Horkelia parryi</i>	Parry's horkelia			1B.2	lone formation. Chaparral, cismontane woodland. Openings in chaparral or woodland; especially known from the lone formation in Amador County. 279 to 3658 ft in elevation. Blooms April-September.
<i>Isocoma arguta</i>	Carquinez goldenbush			1B.1	Valley and foothill grassland. Alkaline soils, flats, lower hills. On low benches near drainages and on tops and sides of mounds in swale habitat. 3 to 164 ft in elevation. Blooms August-December.
<i>Juncus leiopermus</i> var. <i>ahartii</i>	Ahart's dwarf rush			1B.2	Valley and foothill grassland. Restricted to the edges of vernal pools in grassland. 98 to 328 ft in elevation. Blooms March-May.
<i>Juncus leiopermus</i> var. <i>leiopermus</i>	Red Bluff dwarf rush			1B.1	Chaparral, valley and foothill grassland, cismontane woodland, vernal pools, meadows and seeps. Vernal mesic sites. Sometimes on edges of vernal pools. 98 to 3363 ft in elevation. Blooms March-June.
<i>Lagophylla dichotoma</i>	forked hare-leaf			1B.1	Cismontane woodland, valley and foothill grassland. Sometimes clay. 623 to 1099 ft in elevation. Blooms April-May.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields			1B.1	Coastal salt marshes, playas, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 3 to 4511 ft in elevation. Blooms February-June.
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea			1B.2	Freshwater and brackish marshes. Often found with <i>Typha</i> , <i>Aster lentus</i> , <i>Rosa californica</i> , <i>Juncus</i> spp., <i>Scirpus</i> , etc. Usually on marsh and slough edges. 0 to 16 ft in elevation. Blooms May-July (August),(September).
<i>Layia heterotricha</i>	pale-yellow layia			1B.1	Cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Alkaline or clay soils; open areas. 295 to 5906 ft in elevation. Blooms March-June.
<i>Layia leucopappa</i>	Comanche Point layia			1B.1	Chenopod scrub, valley and foothill grassland. Dry hills in white-gray clay soils, often with weedy grasses. Does not reliably appear every year. 328 to 1099 ft in elevation. Blooms March-April.
<i>Layia munzii</i>	Munz's tidy-tips			1B.2	Chenopod scrub, valley and foothill grassland. Hillsides, in white-gray alkaline clay soils, w/grasses and chenopod scrub associates. 492 to 2297 ft in elevation. Blooms March-April.

Table 4a Special-Status Plant Species Known or with Potential to Occur in the Great Valley Ecological Section (262A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Legenere limosa</i>	legenere			1B.1	Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
<i>Lepidium jaredii</i> ssp. album	Panoche pepper-grass			1B.2	Valley and foothill grassland. White or gray clay lenses on steep slopes; incidental in alluvial fans and washes. Clay and gypsum-rich soils. 213 to 3002 ft in elevation. Blooms February-June.
<i>Leptosiphon serrulatus</i>	Madera leptosiphon			1B.2	Cismontane woodland, lower montane coniferous forest. Dry slopes; often on decomposed granite in woodland. 984 to 4265 ft in elevation. Blooms April-May.
<i>Madia radiata</i>	showy golden madia			1B.1	Valley and foothill grassland, cismontane woodland. Mostly on adobe clay in grassland or among shrubs. 246 to 4003 ft in elevation. Blooms March-May.
<i>Monardella leucocephala</i>	Merced monardella			1A	Valley and foothill grassland. Known from riverbeds, moist sandy depressions; requires moist subalkaline sands associated w/low elevation grassland. 115 to 328 ft in elevation. Blooms May-August.
<i>Navarretia leucocephala</i> ssp. bakeri	Baker's navarretia			1B.1	Cismontane woodland, meadows and seeps, vernal pools, valley and foothill grassland, lower montane coniferous forest. Vernal pools and swales; adobe or alkaline soils. 16 to 5709 ft in elevation. Blooms April-July.
<i>Navarretia myersii</i> ssp. myersii	pincushion navarretia			1B.1	Vernal pools. Clay soils within non-native grassland. 148 to 328 ft in elevation. Blooms April-May.
<i>Navarretia nigelliformis</i> ssp. radians	shining navarretia			1B.2	Cismontane woodland, valley and foothill grassland, vernal pools. Apparently in grassland, and not necessarily in vernal pools. 197 to 3199 ft in elevation. Blooms (March), April-July.
<i>Navarretia paradoxicala</i>	Patterson's navarretia			1B.3	Meadows and seeps. Serpentine, openings, vernal mesic, often drainages. 492 to 1411 ft in elevation. Blooms May-June (July).
<i>Navarretia setiloba</i>	Piute Mountains navarretia			1B.1	Cismontane woodland, pinyon and juniper woodland, valley and foothill grassland. Red clay soils, or on gravelly loam. 591 to 5397 ft in elevation. Blooms April-July.
<i>Paronychia ahartii</i>	Ahart's paronychia			1B.1	Valley and foothill grassland, vernal pools, cismontane woodland. Stony, nearly barren clay of swales and higher ground around vernal pools. 98 to 1673 ft in elevation. Blooms February-June.
<i>Potamogeton zosteriformis</i>	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
<i>Puccinellia simplex</i>	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernal mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
<i>Sagittaria sanfordii</i>	Sanford's arrowhead			1B.2	Marshes and swamps. In standing or slow-moving freshwater ponds, marshes, and ditches. 0 to 2133 ft in elevation. Blooms May-October (November).
<i>Senecio aphanactis</i>	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
<i>Spergularia macrotheca</i> var. longistyla	long-styled sand-spurrey			1B.2	Marshes and swamps, meadows and seeps. Alkaline. 0 to 836 ft in elevation. Blooms February-May.
<i>Stuckenia filiformis</i> ssp. alpina	slender-leaved pondweed			2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.
<i>Stylocine citroleum</i>	oil neststraw			1B.1	Chenopod scrub, coastal scrub, valley and foothill grassland. Flats, clay soils in oil-producing areas. 164 to 1312 ft in elevation. Blooms March-April.
<i>Symphyotrichum lentum</i>	Suisun Marsh aster			1B.2	Marshes and swamps (brackish and freshwater). Most often seen along sloughs with Phragmites, Scirpus, blackberry, Typha, etc. 0 to 98 ft in elevation. Blooms (April), May-November.
<i>Tortula californica</i>	California screw moss			1B.2	Chenopod scrub, valley and foothill grassland. Moss growing on sandy soil. 33 to 4790 ft in elevation. Blooms .
<i>Trifolium hydrophilum</i>	saline clover			1B.2	Marshes and swamps, valley and foothill grassland, vernal pools. Mesic, alkaline sites. 0 to 984 ft in elevation. Blooms April-June.
<i>Trifolium jokerstii</i>	Butte County golden clover			1B.2	Valley and foothill grassland, vernal pools. Mesic sites in grassland. 164 to 1263 ft in elevation. Blooms March-May.
<i>Tropidocarpum capparideum</i>	caper-fruited tropidocarpum			1B.1	Valley and foothill grassland. Alkaline clay. 0 to 1181 ft in elevation. Blooms March-April.

Listing Status
 E = Endangered
 T = Threatened
 R = Rare

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 - Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 - Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 4b Special-Status Wildlife Species Known or with Potential to Occur in the Great Valley Ecological Section (262A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																Total Acreage of Associated CWHR Types within the Treatable Landscape ¹	
		Federal	State	Alkali Desert Scrub	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Coastal Oak Woodland	Coastal Scrub	Eucalyptus	Juniper	Mixed Chaparral	Montane Hardwood	Montane Riparian	Perennial Grassland	Ponderosa Pine	Sagebrush	Valley Foothill Riparian		Valley Oak Woodland
CDFW Species of Special Concern																					
<i>Ammodramus savannarum</i>	grasshopper sparrow		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	504,859
<i>Anser albifrons elgasi</i>	Tule greater white-fronted goose		SC		X					X			X					X			26
<i>Asio flammeus</i>	short-eared owl		SC	X	X	X	X			X			X	X		X			X	X	83,470
<i>Asio otus</i>	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X				X	X	X	1,614
<i>Athene cucularia</i>	burrowing owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	605,438
<i>Aythya Americana</i>	redhead ²		SC	X	X	X	X	X	X	X	X		X	X					X	X	65,604
<i>Charadrius alexandrinus</i>	snowy plover ²		SC	X	X														X		16,598
<i>Charadrius montanus</i>	mountain plover		SC	X	X	X	X	X	X	X	X		X	X		X			X	X	59,929
<i>Chlidonias niger</i>	black tern ²		SC	X	X	X	X	X		X	X		X	X					X	X	44,563
<i>Circus hudsonius</i>	northern harrier		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	602,571
<i>Contopus cooperi</i>	olive-sided flycatcher		SC		X																<1
<i>Coturnicops noveboracensis</i>	yellow rail ²		SC		X	X													X		-
<i>Cypseloides niger</i>	black swift		SC		X																392
<i>Grus canadensis canadensis</i>	lesser sandhill crane		SC	X	X													X		X	230
<i>Histrionicus histrionicus</i>	harlequin duck ²		SC		X														X		1
<i>Icteria virens</i>	yellow-breasted chat		SC		X	X	X	X		X	X		X	X	X	X			X	X	139,732
<i>Lanius ludovicianus</i>	loggerhead shrike		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	605,440
<i>Melospiza melodia maillardi</i>	Modesto song sparrow		SC	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	290,758
<i>Melospiza melodia maxillaris</i>	Suisun song sparrow		SC															X			<1
<i>Pelecanus erythrorhynchos</i>	American white pelican ²		SC	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	358,596
<i>Poocetes gramineus affinis</i>	Oregon vesper sparrow		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	278,923
<i>Setophaga petechia</i>	yellow warbler		SC	X	X	X	X	X		X	X	X	X	X				X	X	X	82,720
<i>Strix occidentalis occidentalis</i>	California spotted owl		SC		X	X	X	X	X			X	X	X		X		X	X		19,824
<i>Toxostoma lecontei</i>	Le Conte's thrasher (San Joaquin population)		SC	X	X																31,507
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	605,437
Invertebrates																					
Federal and State Listed/CDFW Fully Protected																					
<i>Bombus crotchii</i>	Crotch bumble bee ²		C		X	X	X		X	X				X	X	X	X		X	X	497,990
<i>Bombus occidentalis occidentalis</i>	western bumble bee ²		C		X	X	X		X					X	X	X	X		X	X	554,631
<i>Branchinecta conservatio</i>	conservancy fairy shrimp ²	E		X	X	X	X	X	X	X		X	X	X					X	X	250,171
<i>Branchinecta longiantenna</i>	longhorn fairy shrimp ²	E		X	X														X		4,536
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp ²	T		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	577,465
<i>Callophrys mossii bayensis</i>	San Bruno elfin butterfly	E		X	X				X	X	X			X					X		8,880

Table 4b Special-Status Wildlife Species Known or with Potential to Occur in the Great Valley Ecological Section (262A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Alkali Desert Scrub	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Coastal Oak Woodland	Coastal Scrub	Eucalyptus	Juniper	Mixed Chaparral	Montane Hardwood	Montane Riparian	Perennial Grassland	Ponderosa Pine	Sagebrush	Valley Foothill Riparian	Valley Oak Woodland	

Reptiles

Federal and State Listed/CDFW Fully Protected

<i>Gambelia sila</i>	blunt-nosed leopard lizard	E	E FP	X	X	X	X			X		X	X	X		X		X	X	X	144,411
<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	T	T	X	X				X	X	X			X					X		6,780
<i>Thamnophis gigas</i>	giant gartersnake ²	T	T	X	X	X	X	X	X	X	X		X	X	X		X		X	X	343,676

CDFW Species of Special Concern

<i>Anniella</i> sp.	California legless lizard		SC	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	406,811
<i>Arizona elegans occidentalis</i>	California glossy snake		SC	X	X	X	X			X		X	X	X				X	X	X	138,982
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	605,440
<i>Masticophis flagellum ruddocki</i>	San Joaquin coachwhip		SC	X	X	X	X			X		X	X	X	X	X		X	X	X	158,112
<i>Phrynosoma blainvillii</i>	coast horned lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	605,440
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake		SC	X	X	X															20
<i>Thamnophis hammondi</i>	two-striped gartersnake ²		SC	X	X	X				X		X		X				X	X	X	6
<i>Xantusia vigilis sierrae</i>	Sierra night lizard		SC		X																6,145

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate for listing
 FP = Fully Protected
 SC = CDFW Species of Special Concern

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.

² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in listed CWHR types if they are adjacent to suitable aquatic habitat.

Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019

Table 5a Special-Status Plant Species Known or with Potential to Occur in the Klamath Mountains Ecological Section (M261A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Arabis mcdonaldiana</i>	McDonald's rockcress	E	E	1B.1	Lower montane coniferous forest, ultramafic, upper montane coniferous forest. Rocky outcrops, ridges, slopes, and flats on serpentine. 443 to 5906 ft in elevation. Blooms May-July.
<i>Brodiaea rosea</i>	Indian Valley brodiaea		E	1B.1	Closed-cone coniferous forest, chaparral, cismontane woodland, valley and foothill grassland, meadows. Serpentine gravelly creek bottoms, and in meadows and swales. 1099 to 4757 ft in elevation. Blooms May-June.
<i>Calamagrostis foliosa</i>	leafy reed grass		R	4.2	Coastal bluff scrub, north coast coniferous forest. Rocky cliffs and ocean-facing bluffs. 0 to 4003 ft in elevation. Blooms May-September.
<i>Calochortus persistens</i>	Siskiyou mariposa-lily		R	1B.2	Lower montane coniferous forest, North Coast coniferous forest. On dry shallow soils of metovolcanic origin. 4298 to 5692 ft in elevation. Blooms June-July.
<i>Eriastrum tracyi</i>	Tracy's eriastrum		R	3.2	Chaparral, cismontane woodland, valley and foothill grassland. Gravelly shale or clay; often in open areas. 1033 to 5299 ft in elevation. Blooms May-July.
<i>Eriogonum alpinum</i>	Trinity buckwheat		E	1B.2	Subalpine coniferous forest, upper montane coniferous forest, alpine boulder and rock field. Rocky soils and scree slopes in open and windswept areas on serpentine substrate. 6529 to 8612 ft in elevation. Blooms June-September.
<i>Phlox hirsuta</i>	Yreka phlox	E	E	1B.2	Lower montane coniferous forest, upper montane coniferous forest. Open slopes and grasslands, on serpentine gravel. 2723 to 4199 ft in elevation. Blooms April-June.
California Rare Plant Ranked					
<i>Abies amabilis</i>	Pacific silver fir			2B.3	Old growth. Upper montane coniferous forest. 5577 to 7201 ft in elevation.
<i>Ageratina shastensis</i>	Shasta ageratina			1B.2	Chaparral, lower montane coniferous forest. Rocky, sometimes limestone. 1312 to 5906 ft in elevation. Blooms June-October.
<i>Anisocarpus scabridus</i>	scabrid alpine tarplant			1B.3	Upper montane coniferous forest. Open stony ridges, metamorphic scree slopes of mountain peaks, and cliffs in or near red fir forest. 5413 to 7546 ft in elevation. Blooms July-August (September).
<i>Arabis rigidissima</i> var. <i>rigidissima</i>	Trinity Mountains rockcress			1B.3	Upper montane coniferous forest. Open, rocky places. 4150 to 6808 ft in elevation. Blooms June-August.
<i>Arctostaphylos klamathensis</i>	Klamath manzanita			1B.2	Chaparral (montane), lower montane coniferous forest, upper montane coniferous forest, subalpine coniferous forest. Rocky outcrops and slopes, sometimes on serpentine. 4692 to 7382 ft in elevation. Blooms May-August.
<i>Asarum marmoratum</i>	marbled wild-ginger			2B.3	Lower montane coniferous forest. Understory of coniferous forests. 1591 to 5348 ft in elevation. Blooms April-August.
<i>Astragalus umbraticus</i>	Bald Mountain milk-vetch			2B.3	Cismontane woodland, lower montane coniferous forest. Dry open oak and pine woodlands; sometimes on roadsides. 689 to 4003 ft in elevation. Blooms May-August.
<i>Balsamorhiza lanata</i>	woolly balsamroot			1B.2	Cismontane woodland. Open woods, grassy slopes. Volcanic substrates. 2625 to 6217 ft in elevation. Blooms April-June.
<i>Balsamorhiza sericea</i>	silky balsamroot			1B.3	Lower montane coniferous forest. Collections from Douglas fir forest and Jeffrey pine forest. Can be on serpentine. 2789 to 6988 ft in elevation. Blooms April-May (June),(July).
<i>Boechera koehleri</i>	Koehler's stipitate rockcress			1B.3	Chaparral, lower montane coniferous forest. Rocky, serpentine substrate. 591 to 5971 ft in elevation. Blooms (March), April-July.
<i>Boechera serpenticola</i>	serpentine rockcress			1B.2	Lower montane coniferous forest, upper montane coniferous forest. Serpentine ridges and talus. 3691 to 6857 ft in elevation. Blooms March-June.
<i>Botrychium crenulatum</i>	scalloped moonwort			2B.2	Bogs and fens, meadows and seeps, upper montane coniferous forest, lower montane coniferous forest, marshes and swamps. Moist meadows, freshwater marsh, and near creeks. 3888 to 10203 ft in elevation. Blooms June-September.
<i>Botrychium minganense</i>	Mingan moonwort			2B.2	Lower montane coniferous forest, upper montane coniferous forest, bogs and fens, meadows and seeps. Creekbanks in mixed conifer forest. 3904 to 10810 ft in elevation. Blooms July-September.
<i>Botrychium montanum</i>	western goblin			2B.1	Old growth. Lower montane coniferous forest, upper montane coniferous forest, meadows and seeps. Creekbanks in old-growth forest. 4692 to 7972 ft in elevation. Blooms July-September.
<i>Botrychium pinnatum</i>	northwestern moonwort			2B.3	Lower montane coniferous forest, meadows and seeps, upper montane coniferous forest. Creekbanks. 5397 to 6709 ft in elevation. Blooms July-October.
<i>Botrypus virginianus</i>	rattlesnake fern			2B.2	Bogs and fens, lower montane coniferous forest, meadows and seeps, riparian forest. 6086 to 10072 ft in elevation. Blooms June-September.
<i>Brasenia schreberi</i>	watershield			2B.3	Freshwater marshes and swamps. Aquatic from water bodies both natural and artificial in California. 98 to 7218 ft in elevation. Blooms June-September.
<i>Brodiaea matsonii</i>	Sulphur Creek brodiaea			1B.1	Cismontane woodland, meadows and seeps. Streambanks. In cracks and crevices of metamorphic amphibolite schist. 640 to 722 ft in elevation. Blooms May-June.
<i>Calicium adpersum</i>	spiral-spored gilded-head pin lichen			2B.2	Only known in California from a Sequoia sempervirens stand. Restricted throughout its range to old-growth conifer forests in relatively cool-humid stands with maritime climatic influence. Restricted to aged bark of conifers, typically old-growth trees over 200 years of age. 656 to 656 ft in elevation.
<i>Calochortus greenei</i>	Greene's mariposa-lily			1B.2	Meadows and seeps, cismontane woodland, pinyon and juniper woodland, upper montane coniferous forest. On volcanic outcrops and open, dry, gravelly soils. 3396 to 6201 ft in elevation. Blooms June-August.
<i>Calochortus monanthus</i>	single-flowered mariposa-lily			1A	Meadows and seeps. Known only from the type locality in a riparian meadow along the Shasta River. 2444 to 2625 ft in elevation. Blooms June.
<i>Calochortus syntrophus</i>	Callahan's mariposa-lily			1B.1	Cismontane woodland, valley and foothill grassland. In vernal mesic areas. 1411 to 4003 ft in elevation. Blooms May-June.
<i>Campanula shetleri</i>	Castle Crags harebell			1B.3	Lower montane coniferous forest. In protected rock crevices in granite. 4003 to 6004 ft in elevation. Blooms June-September.
<i>Carex comosa</i>	bristly sedge			2B.1	Marshes and swamps, coastal prairie, valley and foothill grassland. Lake margins, wet places; site below sea level is on a Delta island. -16 to 5315 ft in elevation. Blooms May-September.
<i>Carex halliana</i>	Oregon sedge			2B.3	Meadows and seeps, subalpine coniferous forest, upper montane coniferous forest. Often on pumice. 4790 to 6824 ft in elevation. Blooms (May), July-September.
<i>Carex hystericina</i>	porcupine sedge			2B.1	Marshes and swamps. Wet places, such as stream edges. 1985 to 3150 ft in elevation. Blooms May-June.

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<i>Carex lasiocarpa</i>	woolly-fruited sedge			2B.3	Bogs and fens, marshes and swamps. Sphagnum bogs, freshwater marsh, lake margins. 1969 to 6398 ft in elevation. Blooms June-July.
<i>Carex leptalea</i>	bristle-stalked sedge			2B.2	Bogs and fens, meadows and seeps, marshes and swamps. Mostly known from bogs and wet meadows. 10 to 4577 ft in elevation. Blooms March-July.
<i>Carex serpenticola</i>	serpentine sedge			2B.3	Meadows and seeps. Mesic, serpentine sites. 66 to 5610 ft in elevation. Blooms March-May.
<i>Carex viridula</i> ssp. <i>viridula</i>	green yellow sedge			2B.3	Bogs and fens, marshes and swamps (freshwater), north coast coniferous forest. Mesic sites. 0 to 5594 ft in elevation. Blooms (June), July-September (November).
<i>Castilleja elata</i>	Siskiyou paintbrush			2B.2	Lower montane coniferous forest, bogs and fens. Usually found on mesic serpentine soils; often associated with bogs, seeps, stream benches, and dry gullies. 197 to 6808 ft in elevation. Blooms May-August.
<i>Chaenactis suffrutescens</i>	Shasta chaenactis			1B.3	Lower montane coniferous forest, upper montane coniferous forest. Sandy or serpentine soils. 2461 to 9186 ft in elevation. Blooms May-September.
<i>Clarkia borealis</i> ssp. <i>arida</i>	Shasta clarkia			1B.1	Cismontane woodland, lower montane coniferous forest. Openings. 1394 to 1952 ft in elevation. Blooms June-August.
<i>Clarkia borealis</i> ssp. <i>borealis</i>	northern clarkia			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Often seen in roadcuts. 1132 to 5052 ft in elevation. Blooms June-September.
<i>Cryptantha crinita</i>	silky cryptantha			1B.2	Cismontane woodland, valley foothill grassland, lower montane coniferous forest, riparian forest, riparian woodland. In gravelly streambeds. 115 to 4003 ft in elevation. Blooms April-May.
<i>Cuscuta jepsonii</i>	Jepson's dodder			1B.2	North coast coniferous forest. Streamsides. 397 to 9006 ft in elevation. Blooms July-September.
<i>Draba carnosula</i>	Mt. Eddy draba			1B.3	Subalpine coniferous forest, upper montane coniferous forest. On talus or small boulder-fields; known from both serpentine and granite. 6348 to 9843 ft in elevation. Blooms July-August.
<i>Drosera anglica</i>	English sundew			2B.3	Bogs and fens, meadows. 4265 to 6562 ft in elevation. Blooms June-September.
<i>Epilobium oregonum</i>	Oregon fireweed			1B.2	Bogs and fens, lower montane coniferous forest, upper montane coniferous forest. In and near springs and bogs; at least sometimes on serpentine. 1640 to 7349 ft in elevation. Blooms June-September.
<i>Epilobium siskiyouense</i>	Siskiyou fireweed			1B.3	Alpine boulder and rock field, subalpine coniferous forest, upper montane coniferous forest. On slopes in gravelly, serpentine soils. 5495 to 8005 ft in elevation. Blooms July-September.
<i>Erigeron bloomeri</i> var. <i>nudatus</i>	Waldo daisy			2B.3	Lower montane coniferous forest, upper montane coniferous forest. In open areas on dry rocky outcrops on serpentine. 2395 to 5709 ft in elevation. Blooms June-July.
<i>Eriogonum pendulum</i>	Waldo wild buckwheat			2B.2	Lower montane coniferous forest, upper montane coniferous forest. On dry, rocky ultramafic soils; open somewhat grassy areas w/in pine forest. 755 to 3281 ft in elevation. Blooms August-September.
<i>Eriogonum umbellatum</i> var. <i>glaberrimum</i>	Warner Mountains buckwheat			1B.3	Lower montane coniferous forest, upper montane coniferous forest, Great Basin scrub. Sandy or gravelly sites. 4987 to 7365 ft in elevation. Blooms June-September.
<i>Eriogonum umbellatum</i> var. <i>lautum</i>	Scott Valley buckwheat			1B.1	Cismontane woodland, lower montane coniferous forest. Sandy to gravelly flats. 2887 to 3248 ft in elevation. Blooms July-September.
<i>Eriogonum ursinum</i> var. <i>erubescens</i>	blushing wild buckwheat			1B.3	Lower montane coniferous forest, montane chaparral. Rocky sites including scree and talus. 2461 to 6234 ft in elevation. Blooms June-September.
<i>Erythranthe taylorii</i>	Shasta limestone monkeyflower			1B.1	Cismontane woodland, lower montane coniferous forest. Openings, carbonate crevices and rocky outcrops. 1066 to 3412 ft in elevation. Blooms (February), April-May.
<i>Erythranthe trinitensis</i>	pink-margined monkeyflower			1B.3	Lower montane coniferous forest, upper montane coniferous forest, cismontane woodland, meadows and seeps. Often on serpentine and roadsides. 4495 to 6398 ft in elevation. Blooms June-July (August).
<i>Erythronium citrinum</i> var. <i>roderickii</i>	Scott Mountains fawn lily			1B.3	Lower montane coniferous forest. Serpentine; rocky sites. 1788 to 4708 ft in elevation. Blooms March-June.
<i>Erythronium hendersonii</i>	Henderson's fawn lily			2B.3	Lower montane coniferous forest. 197 to 2953 ft in elevation. Blooms April-July.
<i>Erythronium howellii</i>	Howell's fawn lily			1B.3	Lower montane coniferous forest, north coast coniferous forest. 394 to 3773 ft in elevation. Blooms April-May.
<i>Erythronium klamathense</i>	Klamath fawn lily			2B.2	Upper montane coniferous forest, meadows and seeps. 3937 to 6070 ft in elevation. Blooms April-July.
<i>Erythronium oregonum</i>	giant fawn lily			2B.2	Cismontane woodland, meadows and seeps. Openings. Sometimes on serpentine; rocky sites. 984 to 4708 ft in elevation. Blooms March-June (July).
<i>Erythronium revolutum</i>	coast fawn lily			2B.2	Bogs and fens, broadleafed upland forest, north coast coniferous forest. Mesic sites; streambanks. 197 to 4610 ft in elevation. Blooms March-July (August).
<i>Erythronium shastense</i>	Shasta fawn lily			1B.2	Cismontane woodland, lower montane coniferous forest. Usually carbonate, rocky, north-facing or shaded slopes. 1132 to 3346 ft in elevation. Blooms (February), March-April.
<i>Eucephalus vialis</i>	wayside aster			1B.2	Lower montane coniferous forest, upper montane coniferous forest. Gravelly substrates. 1952 to 4938 ft in elevation. Blooms June-September.
<i>Eurybia merita</i>	subalpine aster			2B.3	Upper montane coniferous forest. 4265 to 6562 ft in elevation.
<i>Galium serpenticum</i> ssp. <i>scotticum</i>	Scott Mountain bedstraw			1B.2	Lower montane coniferous forest. Generally on N-facing slopes on serpentine in mixed conifer forest. 3281 to 6808 ft in elevation. Blooms May-August.
<i>Gentiana plurisetosa</i>	Klamath gentian			1B.3	Meadows and seeps, upper montane coniferous forest, lower montane coniferous forest. Meadows in red fir and yellow pine forests; mesic sites. 3937 to 6234 ft in elevation. Blooms July-September.
<i>Gentiana setigera</i>	Mendocino gentian			1B.2	Lower montane coniferous forest, meadows and seeps. Meadows, seeps and bogs. Usually or always on serpentine. 1608 to 3494 ft in elevation. Blooms (April),(July), August-September.
<i>Geum aleppicum</i>	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
<i>Gilia capitata</i> ssp. <i>pacifica</i>	Pacific gilia			1B.2	Coastal bluff scrub, chaparral, coastal prairie, valley and foothill grassland. 16 to 4413 ft in elevation. Blooms April-August.
<i>Harmonia doris-nilesiae</i>	Niles' harmonia			1B.1	Lower montane coniferous forest, chaparral, cismontane woodland. Serpentine barrens. 2133 to 5446 ft in elevation. Blooms May-July.

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<i>Harmonia stebbinsii</i>	Stebbins' harmonia			1B.2	Chaparral, lower montane coniferous forest. Serpentine soils; often along roads. 394 to 5200 ft in elevation. Blooms May-June.
<i>Hemieva ranunculifolia</i>	buttercup-leaf suksdorfia			2B.2	Upper montane coniferous forest, meadows and seeps. Mesic sites; rocky. 4921 to 8202 ft in elevation. Blooms June-August.
<i>Horkelia congesta</i> var. <i>nemorosa</i>	Josephine horkelia			2B.1	North coast coniferous forest. Clay soils; in seeps. Generally serpentine. 984 to 2625 ft in elevation. Blooms May-July.
<i>Horkelia daucifolia</i> var. <i>indicta</i>	Jepson's horkelia			1B.1	Cismontane woodland. Quaternary pyroclastic flows, volcanic or clay soils. Vernal mesic, openings. 787 to 2198 ft in elevation. Blooms April-June.
<i>Hulsea nana</i>	little hulsea			2B.3	Alpine boulder and rock field, subalpine coniferous forest. Rocky or gravelly sites; on volcanic substrates. 5643 to 11007 ft in elevation. Blooms July-August.
<i>Hymenoxys lemmonii</i>	alkali hymenoxys			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps. Subalkaline soils. 2641 to 9006 ft in elevation. Blooms June-August (September).
<i>Iliamna latibracteata</i>	California globe mallow			1B.2	North Coast coniferous forest, chaparral, lower montane coniferous forest, riparian scrub (streambanks). Seepage areas in silty clay loam. 197 to 6562 ft in elevation. Blooms June-August.
<i>Ivesia pickeringii</i>	Pickering's ivesia			1B.2	Lower montane coniferous forest, meadows and seeps. Mesic clay; usually serpentine seeps. 2789 to 5003 ft in elevation. Blooms June-August (October).
<i>Juncus dudleyi</i>	Dudley's rush			2B.3	Lower montane coniferous forest (mesic). Wet areas in forest. 1493 to 6562 ft in elevation. Blooms July-August.
<i>Lewisia cantelovii</i>	Cantelow's lewisia			1B.2	Broadleafed upland forest, lower montane coniferous forest, cismontane woodland, chaparral. Mesic rock outcrops and wet cliffs, usually in moss or clubmoss; on granitics or sometimes on serpentine. 1083 to 4495 ft in elevation. Blooms May-October.
<i>Lewisia cotyledon</i> var. <i>heckneri</i>	Heckner's lewisia			1B.2	Lower montane coniferous forest. Rocky places. 738 to 6890 ft in elevation. Blooms May-July.
<i>Lewisia oppositifolia</i>	opposite-leaved lewisia			2B.2	Lower montane coniferous forest. In open, rocky, shallow soils; sometimes on serpentine. Mesic sites. 984 to 4003 ft in elevation. Blooms April-May (June).
<i>Lomatium martindalei</i>	Coast Range lomatium			2B.3	Lower montane coniferous forest, coastal bluff scrub, meadows. Bogs and seeps along creeks and on ridgetops, often on serpentine. 787 to 9843 ft in elevation. Blooms May-June (August).
<i>Lomatium peckianum</i>	Peck's lomatium			2B.2	Chaparral, cismontane woodland, lower montane coniferous forest, pinyon and juniper woodland. Rocky slopes, flats, and sometimes grassy openings, in yellow pine-black oak woodland, on volcanic soils. 2247 to 3871 ft in elevation. Blooms April-May (June).
<i>Meesia uliginosa</i>	broad-nerved hump moss			2B.2	Meadows and seeps, bogs and fens, upper montane coniferous forest, subalpine coniferous forest. Moss on damp soil. Often found on the edge of fens or raised above the fen on hummocks/shrub bases. 3593 to 9203 ft in elevation. Blooms July-October.
<i>Moneses uniflora</i>	woodnymph			2B.2	Broadleafed upland forest, North coast coniferous forest. 328 to 3609 ft in elevation. Blooms May-August.
<i>Montia howellii</i>	Howell's montia			2B.2	Meadows and seeps, north coast coniferous forest, vernal pools. Vernal wet sites; often on compacted soil. 33 to 3297 ft in elevation. Blooms (February), March-May.
<i>Neviusia cliftonii</i>	Shasta snow-wreath			1B.2	Cismontane woodland, lower montane coniferous forest, riparian woodland. Shaded, north-facing, or sheltered canyons. Sometimes on limestone. Mesic areas. 1083 to 1772 ft in elevation. Blooms April-June.
<i>Oenothera wolffii</i>	Wolf's evening-primrose			1B.1	Coastal bluff scrub, coastal dunes, coastal prairie, lower montane coniferous forest. Sandy substrates; usually mesic sites. 0 to 410 ft in elevation. Blooms May-October.
<i>Ophioglossum pusillum</i>	northern adder's-tongue			2B.2	Marshes and swamps, meadows and seeps. Marsh edges, low pastures, grassy roadside ditches. Also described as in "open swamp." 3560 to 6348 ft in elevation. Blooms July.
<i>Orthocarpus pachystachyus</i>	Shasta orthocarpus			1B.1	Great Basin scrub, meadows and seeps, valley and foothill grassland. Alluvial plains, hillsides. 2740 to 5003 ft in elevation. Blooms May.
<i>Orthotrichum holzingeri</i>	Holzinger's orthotrichum moss			1B.3	Cismontane woodland, lower montane coniferous forest, upper montane coniferous forest, pinyon-juniper woodland. Usually on rock in and along streams, rarely on tree limbs. 2346 to 5906 ft in elevation. Blooms .
<i>Packera bolanderi</i> var. <i>bolanderi</i>	seacoast ragwort			2B.2	Coastal scrub, north coast coniferous forest. Sometimes along roadsides. 98 to 3002 ft in elevation. Blooms (January),(February),(April), May-July (August).
<i>Packera hesperia</i>	western ragwort			2B.2	Upper montane coniferous forest, meadows and seeps. Serpentine. 2034 to 2297 ft in elevation. Blooms April-June.
<i>Parnassia cirrata</i> var. <i>intermedia</i>	Cascade grass-of-Parnassus			2B.2	Meadows and seeps, bogs and fens. Rocky serpentine soil. 2543 to 6562 ft in elevation. Blooms (July), August-September.
<i>Penstemon filiformis</i>	thread-leaved beardtongue			1B.3	Cismontane woodland, lower montane coniferous forest. Dry stony sites, grassy openings, and meadows, often along trails and logging roads; sometimes on serpentine. 591 to 7005 ft in elevation. Blooms May-August (September).
<i>Phacelia greenei</i>	Scott Valley phacelia			1B.2	Closed-cone coniferous forest, lower montane coniferous forest, subalpine coniferous forest, upper montane coniferous forest. Bare serpentine ridges and openings in yellow pine and red fir forest communities. 2789 to 7808 ft in elevation. Blooms April-June.
<i>Phacelia leonis</i>	Siskiyou phacelia			1B.3	Upper montane coniferous forest, meadows and seeps. Sandy, moist soil, sometimes on serpentine. 3937 to 6562 ft in elevation. Blooms June-August.
<i>Phacelia sericea</i> var. <i>ciliosa</i>	blue alpine phacelia			2B.3	Upper montane coniferous forest, Great Basin scrub. Among rocks on ridgetops, peaks, and at the base of cliffs. 7185 to 8497 ft in elevation. Blooms June-August.
<i>Picea engelmannii</i>	Engelmann spruce			2B.2	Upper montane coniferous forest. Slopes and hillsides, often on alluvial terrace. 3494 to 7005 ft in elevation.
<i>Pinguicula macroceras</i>	horned butterwort			2B.2	Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June.
<i>Piperia candida</i>	white-flowered rein orchid			1B.2	North coast coniferous forest, lower montane coniferous forest, broadleafed upland forest. Sometimes on serpentine. Forest duff, mossy banks, rock outcrops, and muskeg. 148 to 5299 ft in elevation. Blooms (March), May-September.
<i>Poa sierrae</i>	Sierra blue grass			1B.3	Lower montane coniferous forest. Shady, moist, rocky slopes. Often in canyons. 1198 to 4921 ft in elevation. Blooms April-July.

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<i>Polemonium carneum</i>	Oregon polemonium			2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. 0 to 6004 ft in elevation. Blooms April-September.
<i>Prosartes parvifolia</i>	Siskiyou bells			1B.2	Lower montane coniferous forest, upper montane coniferous forest. Occurs in disturbed and undisturbed sites, but most productive roadsides, disturbed areas, and burned areas. 2100 to 4839 ft in elevation. Blooms May-September.
<i>Puccinellia howellii</i>	Howell's alkali grass			1B.1	Meadows and seeps. Mineralized soils around mineral springs and seeps. 1591 to 1591 ft in elevation. Blooms April-June.
<i>Pyrocoma racemosa</i> var. <i>congesta</i>	Del Norte pyrocoma			2B.3	Chaparral, lower montane coniferous forest. Serpentine soils, from dry roadsides to damp hills; often in forest openings. Apparently equally likely to occur in wetlands or non-wetlands. 656 to 3281 ft in elevation. Blooms August-September.
<i>Raillardella pringlei</i>	showy raillardella			1B.2	Bogs and fens, meadows and seeps, upper montane coniferous forest. Streambanks, wet meadows and bogs in areas of serpentinized rock. 3937 to 7513 ft in elevation. Blooms July-September.
<i>Ramalina thrausta</i>	angel's hair lichen			2B.1	North coast coniferous forest. On dead twigs and other lichens. 246 to 1411 ft in elevation.
<i>Rhynchospora capitellata</i>	brownish beaked-rush			2B.2	Lower montane coniferous forest, meadows and seeps, marshes and swamps, upper montane coniferous forest. Mesic sites. 148 to 5610 ft in elevation. Blooms July-August.
<i>Rorippa columbiae</i>	Columbia yellow cress			1B.2	Meadows and seeps, playas, vernal pools, lower montane coniferous forest. Moist sandy soil, low gravelly river banks, basaltic lava slopes. 3937 to 5906 ft in elevation. Blooms May-September.
<i>Sabulina howellii</i>	Howell's sandwort			1B.3	Lower montane coniferous forest, chaparral. Dry open places, often on serpentine hillsides and ridges, near Jeffrey pines. 1804 to 3281 ft in elevation. Blooms April-July.
<i>Sabulina stolonifera</i>	Scott Mountain sandwort			1B.3	Lower montane coniferous forest. Serpentine soils, Jeffrey pine forest. 4101 to 4593 ft in elevation. Blooms May-August.
<i>Sanguisorba officinalis</i>	great burnet			2B.2	Bogs and fens, meadows and seeps, broadleafed upland forest, marshes and swamps, north coast coniferous forest, riparian forest. Rocky serpentine seepage areas and along stream. 16 to 4593 ft in elevation. Blooms July-October.
<i>Schoenoplectus subterminalis</i>	water bulrush			2B.3	Marshes and swamps, bogs and fens. Montane lake margins, in shallow water. 2461 to 7382 ft in elevation. Blooms June-August (September).
<i>Scirpus pendulus</i>	pendulous bulrush			2B.2	Meadows and seeps, freshwater marsh. Mesic sites. 2625 to 3281 ft in elevation. Blooms June-August.
<i>Scutellaria galericulata</i>	marsh skullcap			2B.2	Marshes and swamps, lower montane coniferous forest, meadows and seeps. Swamps and wet places. 0 to 6398 ft in elevation. Blooms June-September.
<i>Sedum citrinum</i>	Blue Creek stonecrop			1B.2	Talus slope, Ultramafic. North coast coniferous forest. Serpentinite, rocky, talus, scree, or boulder crevices, sometimes roadsides. 3445 to 4052 ft in elevation. Blooms June.
<i>Sedum oblancoletum</i>	Applegate stonecrop			1B.1	Upper montane coniferous forest. Rocky sites. 1312 to 6562 ft in elevation. Blooms June-July.
<i>Sedum obtusatum</i> ssp. <i>paradisum</i>	Canyon Creek stonecrop			1B.3	Chaparral, lower montane coniferous forest, subalpine coniferous forest, broadleafed upland forest. Rock faces, in crevices of exposed granite. 984 to 6234 ft in elevation. Blooms May-June.
<i>Sidalcea oregana</i> ssp. <i>eximia</i>	coast checkerbloom			1B.2	Meadows and seeps, north coast coniferous forest, lower montane coniferous forest. Near meadows, in gravelly soil. 16 to 5922 ft in elevation. Blooms June-August.
<i>Silene marmorensis</i>	Marble Mountain campion			1B.2	Broadleafed upland forest, lower montane coniferous forest, cismontane woodland, chaparral. Openings with little vegetation, shady areas, often along trails; can be on serpentine. 558 to 4167 ft in elevation. Blooms June-August.
<i>Silene salmonacea</i>	Klamath Mountain catchfly			1B.2	Lower montane coniferous forest. Openings, usually serpentine. 2543 to 4413 ft in elevation. Blooms (April), May-July.
<i>Silene serpenticola</i>	serpentine catchfly			1B.2	Chaparral, lower montane coniferous forest. Serpentine openings, gravelly or rocky soils. 394 to 2510 ft in elevation. Blooms May-July.
<i>Silene suksdorfii</i>	Cascade alpine campion			2B.3	Alpine boulder and rock field, subalpine coniferous forest, upper montane coniferous forest. Rocky, volcanic soils. 7726 to 10203 ft in elevation. Blooms July-September.
<i>Streptanthus howellii</i>	Howell's jewelflower			1B.2	Lower montane coniferous forest. Dry serpentine slopes, in open pine woods or in brushy areas; on rocky soil. 1001 to 4921 ft in elevation. Blooms July-August.
<i>Streptanthus oblancoletus</i>	Trinity River jewelflower			1B.2	Cismontane woodland. 66 to 1378 ft in elevation. Blooms April-June.
<i>Thermopsis robusta</i>	robust false lupine			1B.2	North coast coniferous forest, broadleafed upland forest. Ridgetops; sometimes on serpentine. 1198 to 4610 ft in elevation. Blooms May-July.
<i>Trifolium piorkowskii</i>	maverick clover			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest, mesic sites in valley and foothill grassland, vernal pools. 525 to 2231 ft in elevation. Blooms April-May.
<i>Trifolium siskiyouense</i>	Siskiyou clover			1B.1	Meadows and seeps. Mesic sites. 2887 to 4921 ft in elevation. Blooms June-July.
<i>Triteleia grandiflora</i>	large-flowered triteleia			2B.1	Great Basin scrub, pinyon-juniper woodland. In rocky areas in sagebrush scrub, and in woodland. 2297 to 4921 ft in elevation. Blooms April-June.
<i>Triteleia hendersonii</i>	Henderson's triteleia			2B.2	Cismontane woodland. Open slopes and road banks. 2493 to 3937 ft in elevation. Blooms May-July.
<i>Vaccinium scoparium</i>	little-leaved huckleberry			2B.2	Subalpine coniferous forest. Rocky, subalpine woods. Sometimes serpentine. 3396 to 7218 ft in elevation. Blooms June-August.
<i>Vaccinium shastense</i> ssp. <i>shastense</i>	Shasta huckleberry			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest, riparian forest, subalpine coniferous forest. 1066 to 4003 ft in elevation. Blooms December-May, sometimes June - September.
<i>Viburnum ellipticum</i>	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.
<i>Viola primulifolia</i> ssp. <i>occidentalis</i>	western white bog violet			1B.2	Bogs and fens, marshes and swamps. Streamside flats and bogs; serpentine soils. 394 to 2805 ft in elevation. Blooms April-September.

Listing Status
 E = Endangered
 T = Threatened

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere

Table 5a Special-Status Plant Species Known or with Potential to Occur in the Klamath Mountains Ecological Section (M261A) within the Treatable Landscape					
Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	

R = Rare

2B = Plants rare 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

Threat Ranks

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

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

0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 5b Special-Status Wildlife Species Known or with Potential to Occur in the Klamath Mountains Ecological Section (M261A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																							Total Acreage of Associated CWHR Types within the Treatable Landscape ¹				
		Federal	State	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine Woodland	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Douglas Fir	Eastside Pine	Jeffrey Pine	Juniper	Klamath Mixed Conifer	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Red Fir		Redwood	Sagebrush	Sierran Mixed Conifer	Subalpine Conifer

Reptiles

CDFW Species of Special Concern

Emys marmorata	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12,674,32
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Listing Status
 E = Endangered
 T = Threatened
 C = Candidate for listing
 FP = Fully Protected
 SC = CDFW Species of Special Concern

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.

² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.

Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019

Table 6a Special-Status Plant Species Known or with Potential to Occur in the Modoc Plateau Ecological Section (M261G) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop		E	1B.2	Marshes and swamps (freshwater), vernal pools. Clay soils; usually in vernal pools, sometimes on lake margins. 33 to 7792 ft in elevation. Blooms April-August.
<i>Orcuttia tenuis</i>	slender Orcutt grass	T	E	1B.1	Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
California Rare Plant Ranked					
<i>Alisma gramineum</i>	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
<i>Allium punctum</i>	dotted onion			2B.2	Pinyon and juniper woodland. Clay soils; rocky sites. 3937 to 5249 ft in elevation. Blooms April-May.
<i>Arnica fulgens</i>	hillside arnica			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps. Open, damp depressions and meadows in sagebrush scrub or juniper woodland. 4298 to 7201 ft in elevation. Blooms May-July (August).
<i>Astragalus agrestis</i>	field milk-vetch			2B.2	Great Basin scrub, meadows and seeps. Vernal mesic sites. 5118 to 5299 ft in elevation. Blooms April-July (August).
<i>Astragalus anxius</i>	Ash Valley milk-vetch			1B.3	Great Basin scrub, pinyon and juniper woodland, upper montane coniferous forest. Gravelly, shallow, volcanic soils. 5135 to 5463 ft in elevation. Blooms May-July.
<i>Astragalus lemmonii</i>	Lemmon's milk-vetch			1B.2	Great Basin scrub, meadows and seeps, marshes and swamps. Lakeshores, meadows and seeps. 3304 to 7218 ft in elevation. Blooms May-August (September).
<i>Atriplex argentea</i> var. <i>hillmanii</i>	Hillman's silverscale			2B.2	Great Basin scrub, meadows and seeps. Alkaline meadows in scrub. 2936 to 5217 ft in elevation. Blooms June-September.
<i>Atriplex gardneri</i> var. <i>falcata</i>	falcate saltbush			2B.2	Chenopod scrub, Great Basin scrub. Usually on subalkaline soils in low chenopod scrub. 4085 to 4511 ft in elevation. Blooms May-August.
<i>Balsamorhiza serrata</i>	serrated balsamroot			2B.3	Great Basin scrub. Rocky sites. 4790 to 5249 ft in elevation. Blooms May-June.
<i>Calochortus longebarbatus</i> var. <i>longebarbatus</i>	long-haired star-tulip			1B.2	Wetland Meadows and seeps, lower montane coniferous forest, Great Basin scrub, vernal pools. In wet meadows or grassy areas along drainages within forest. Clay soils. 3199 to 9400 ft in elevation. Blooms June-August.
<i>Carex atherodes</i>	wheat sedge			2B.2	Meadows and seeps, marshes and swamps, pinyon and juniper woodland. 4265 to 5052 ft in elevation. Blooms June-August.
<i>Carex petasata</i>	Liddon's sedge			2B.3	Broadleafed upland forest, lower montane coniferous forest, meadows and seeps, pinyon and juniper woodland. 2740 to 9941 ft in elevation. Blooms May-July.
<i>Carex sheldonii</i>	Sheldon's sedge			2B.2	Wetland Lower montane coniferous forest, marshes and swamps, riparian scrub. Mesic sites; along creeks and in wet meadows. 3937 to 6611 ft in elevation. Blooms May-August.
<i>Carex vallicola</i>	western valley sedge			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 5003 to 9203 ft in elevation. Blooms July-August.
<i>Crepis runcinata</i>	fiddleleaf hawksbeard			2B.2	Mojavean desert scrub, pinyon and juniper woodland. Moist, alkaline valley bottoms. 1247 to 10203 ft in elevation. Blooms May-August.
<i>Cryptantha celosioides</i>	cocks-comb cat's-eye			2B.3	Pinyon and juniper woodland. 4298 to 6299 ft in elevation. Blooms July-August.
<i>Delphinium stachydeum</i>	spiked larkspur			2B.3	Upper montane coniferous forest, Great Basin scrub. Known in California only from the Warner Mountains, on a dry, rocky ridge. 4659 to 8399 ft in elevation. Blooms June-August.
<i>Dimeresia howellii</i>	doublet			2B.3	Lower montane coniferous forest, pinyon and juniper woodland. On slopes in dry gravelly volcanic soils. 4396 to 8202 ft in elevation. Blooms May-September.
<i>Diplacus cusickioides</i>	Cusick's monkeyflower			2B.3	Great Basin scrub, lower montane coniferous forest. Roadsides, gravelly sites. On scree, volcanic substrates. 4692 to 4921 ft in elevation. Blooms May-August.
<i>Downingia laeta</i>	Great Basin downingia			2B.2	Great Basin scrub, meadows and seeps, freshwater marshes, pinyon-juniper woodland, vernal pools. In mesic sites or wetlands. 4003 to 7218 ft in elevation. Blooms May-July.
<i>Eriogonum prociduum</i>	prostrate buckwheat			1B.2	Great Basin scrub, pinyon-juniper woodland, upper montane coniferous forest. Dry volcanic slopes and hills, (Jepson Manual says granite). 4265 to 8875 ft in elevation. Blooms May-August.
<i>Erythranthe inflatula</i>	ephemeral monkeyflower			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Gravelly or rocky sites; vernal mesic. 4085 to 5807 ft in elevation. Blooms May-August.
<i>Galium glabrescens</i> ssp. <i>modocense</i>	Modoc bedstraw			1B.2	Great Basin scrub. Gravelly slopes and under the edges of rocks; sandy clay soil. 5085 to 9154 ft in elevation. Blooms June-August.
<i>Galium serpenticum</i> ssp. <i>warnerense</i>	Warner Mountains bedstraw			1B.2	Subalpine coniferous forest, pinyon and juniper woodland, meadows and seeps. In talus or in rock crevices or at base of rocks. 4757 to 9022 ft in elevation. Blooms June-July.
<i>Geum aleppicum</i>	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
<i>Heteranthera dubia</i>	water star-grass			2B.2	Marshes and swamps. Alkaline, still or slow-moving water. Requires a pH of 7 or higher, usually in slightly eutrophic waters. 49 to 4954 ft in elevation. Blooms July-October.
<i>Ivesia paniculata</i>	Ash Creek ivesia			1B.2	Great Basin scrub, pinyon and juniper woodland, upper montane coniferous forest. Gravelly, shallow, volcanic ash on barren ridges. 4692 to 6283 ft in elevation. Blooms June-August.
<i>Juncus luciensis</i>	Santa Lucia dwarf rush			1B.2	Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub. Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 984 to 6693 ft in elevation. Blooms April-July.
<i>Lathyrus rigidus</i>	rigid pea			2B.2	Great Basin scrub, pinyon and juniper woodland. Often in disturbed areas. 4987 to 6004 ft in elevation. Blooms April-July.
<i>Lomatium foeniculaceum</i> ssp. <i>macdougalii</i>	Macdougal's lomatium			2B.2	Chenopod scrub, Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Volcanic soil. 3986 to 7234 ft in elevation. Blooms April-July.
<i>Lomatium hendersonii</i>	Henderson's lomatium			2B.3	Pinyon-juniper woodland, Great Basin scrub, lower montane coniferous forest. Rocky, clay soils. 4593 to 8005 ft in elevation. Blooms March-June.

Table 6a Special-Status Plant Species Known or with Potential to Occur in the Modoc Plateau Ecological Section (M261G) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Lomatium ravenii</i> var. <i>ravenii</i>	Raven's lomatium			1B.3	Great Basin scrub. Open, slightly alkaline flats, poorly drained adobe soils. Often with <i>Artemisia tridentata</i> , <i>Grayia</i> , etc. 3986 to 7201 ft in elevation. Blooms April-June.
<i>Lomatium roseanum</i>	adobe lomatium			1B.2	Lower montane coniferous forest, Great Basin scrub. Rocky, gravelly openings. 5873 to 7398 ft in elevation. Blooms May-July.
<i>Lupinus pusillus</i> var. <i>intermontanus</i>	intermontane lupine			2B.3	Great Basin scrub. Sandy soils. 3888 to 6759 ft in elevation. Blooms May-June.
<i>Lupinus uncialis</i>	lilliput lupine			2B.2	Great Basin scrub, pinyon-juniper woodland. Hilltops, bluffs, barrens, and talus in sagebrush scrub and p-j woodland. on limestone, rhyolite, volcanic ash, etc. 4265 to 5249 ft in elevation. Blooms May-July.
<i>Mertensia longiflora</i>	long bluebells			2B.2	Great Basin scrub, lower montane coniferous forest. 4347 to 6004 ft in elevation. Blooms April-June.
<i>Mertensia oblongifolia</i> var. <i>amoena</i>	beautiful sagebrush bluebells			2B.2	Great Basin scrub, meadows and seeps. 5348 to 7595 ft in elevation. Blooms April-July.
<i>Mertensia oblongifolia</i> var. <i>oblongifolia</i>	sagebrush bluebells			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps, subalpine coniferous forest. Usually in mesic sites. 3281 to 9843 ft in elevation. Blooms April-July.
<i>Micromonolepis pusilla</i>	dwarf monolepis			2B.3	Great Basin scrub. Alkaline sites, openings. 4446 to 7201 ft in elevation. Blooms May-August.
<i>Nemophila breviflora</i>	Great Basin nemophila			2B.3	Great Basin scrub, meadows and seeps, upper montane coniferous forest. Mesic sites. 4987 to 7907 ft in elevation. Blooms May-July.
<i>Packera indecora</i>	rayless mountain ragwort			2B.2	Meadows and seeps. Mesic sites. 5249 to 6562 ft in elevation. Blooms July-August.
<i>Penstemon janishiae</i>	Janish's beardtongue			2B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Volcanic soils; gravelly sites. 4380 to 7300 ft in elevation. Blooms May-July.
<i>Penstemon sudans</i>	Susanville beardtongue			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Volcanic rocky sites. 4199 to 7972 ft in elevation. Blooms June-July (August),(September).
<i>Phacelia inundata</i>	playa phacelia			1B.3	Great Basin scrub, lower montane coniferous forest, playas. Dried edges of alkali lakes and sinks, inundated clay soils. 4429 to 6562 ft in elevation. Blooms May-August (September).
<i>Phlox muscoides</i>	squarestem phlox			2B.3	Alpine boulder and rock field, subalpine coniferous forest, Great Basin scrub. Open rocky slopes. 4199 to 8858 ft in elevation. Blooms (May), June-August.
<i>Plagiobothrys salsus</i>	desert popcornflower			2B.2	Wetland. Playas (alkaline). Moist, alkaline mud flats. 1985 to 4954 ft in elevation. Blooms May-August.
<i>Polygonum polygaloides</i> ssp. <i>esotericum</i>	Modoc County knotweed			1B.3	Wetland Great Basin scrub, vernal pools, lower montane coniferous forest, meadows and seeps. Edges of seasonal lakes and ponds with <i>Deschampsia</i> , <i>Navarretia</i> , etc. 2904 to 5545 ft in elevation. Blooms May-September.
<i>Potamogeton epihydrus</i>	Nuttall's ribbon-leaved pondweed			2B.2	Marshes and swamps. Shallow water, ponds, lakes, streams, irrigation ditches. 968 to 8661 ft in elevation. Blooms (June), July-September.
<i>Potamogeton zosteriformis</i>	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
<i>Potentilla basaltica</i>	Black Rock potentilla			1B.3	Meadows and seeps. Alkaline, sandy, volcanic soils. 4462 to 5102 ft in elevation. Blooms May-June (July).
<i>Potentilla newberryi</i>	Newberry's cinquefoil			2B.3	Marshes and swamps, vernal pools. Receding shorelines; drying wetland margins. 4216 to 6332 ft in elevation. Blooms May-August.
<i>Ribes hudsonianum</i> var. <i>petiolare</i>	western black currant			2B.3	Riparian scrub. Along creeks with <i>Salix</i> , <i>Heracleum</i> , etc. 4921 to 7316 ft in elevation. Blooms May-July.
<i>Riella americana</i>	American riella			2B.2	Lower montane coniferous forest, pinyon juniper woodland. Found in arid and semiarid regions as a submerged aquatic in temporary pools and streams. Also in manmade reservoirs. In California, on exposed mud flat at Big Sage Reservoir. 0 to 0 ft in elevation. Blooms August-September.
<i>Rumex venosus</i>	winged dock			2B.3	Great Basin scrub. Sandy substrates; broadly distributed; just barely gets into California at Honey Lake Valley. 3937 to 5906 ft in elevation. Blooms May-June.
<i>Salix bebbiana</i>	Bebb's willow			2B.3	Riparian scrub, marshes and swamps. Streambanks, lakeshores. 3937 to 7316 ft in elevation. Blooms May.
<i>Silene oregana</i>	Oregon campion			2B.2	Great Basin scrub, subalpine coniferous forest. 5495 to 9613 ft in elevation. Blooms July-September.
<i>Stachys pilosa</i>	hairy marsh hedge-nettle			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 2575 to 6709 ft in elevation. Blooms June-August.
<i>Stenotus lanuginosus</i> var. <i>lanuginosus</i>	woolly stenotus			2B.2	Pinyon-juniper woodland, Great Basin scrub, meadows and seeps. Exposed ridges and flats in shallow, rocky soil. Often in sagebrush at edges of other vegetation types. 4921 to 6332 ft in elevation. Blooms May-July.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	slender-leaved pondweed			2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.
<i>Synthyris missurica</i> ssp. <i>missurica</i>	kitten-tails			2B.3	Lower montane coniferous forest, subalpine coniferous forest, upper montane coniferous forest. 6365 to 9203 ft in elevation. Blooms (May), June-July (August).
<i>Thelypodium howellii</i> ssp. <i>howellii</i>	Howell's thelypodium			1B.2	Great Basin scrub, meadows and seeps. Moist alkaline meadows. 3297 to 6709 ft in elevation. Blooms May-July.
<i>Triteleia grandiflora</i>	large-flowered triteleia			2B.1	Great Basin scrub, pinyon-juniper woodland. In rocky areas in sagebrush scrub, and in woodland. 2297 to 4921 ft in elevation. Blooms April-June.
<i>Utricularia intermedia</i>	flat-leaved bladderwort			2B.2	Bogs and fens, meadows and seeps, marshes and swamps, vernal pools. Mesic meadows, lake margins, marshes, fens. 2198 to 8711 ft in elevation. Blooms July-August.
<i>Utricularia ochroleuca</i>	cream-flowered bladderwort			2B.2	Meadows and seeps, marshes and swamps. Mesic sites, including lake margins. 4298 to 7710 ft in elevation. Blooms June-July.
<i>Valeriana occidentalis</i>	western valerian			2B.3	Lower montane coniferous forest. Mesic sites. 4921 to 5906 ft in elevation. Blooms June-August.

Listing Status

California Rare Plant Rank

Table 6a Special-Status Plant Species Known or with Potential to Occur in the Modoc Plateau Ecological Section (M261G) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	

E = Endangered

T = Threatened

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

2B = Plants rare or endangered in California, but more common elsewhere

Threat Ranks

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

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

0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 6b Special-Status Wildlife Species Known or with Potential to Occur in the Modoc Plateau Ecological Section (M261G)																										
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																				Total Acreage of Associated CWHR Types within the Treatable Landscape ¹		
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Blue Oak-Foothill Pine	Closed-Cone Pine-Cypress	Eastside Pine	Jeffrey Pine	Juniper	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Segebrush	Sierran Mixed Conifer		Subalpine Conifer	White Fir
CDFW Species of Special Concern																										
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	746,035
<i>Brachylagus idahoensis</i>	pygmy rabbit		SC	X	X	X	X			X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	335,969
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	746,035
<i>Euderma maculatum</i>	spotted bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	746,035
<i>Eumops perotis californicus</i>	western mastiff bat		SC		X		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X		27,138
<i>Lepus americanus klamathensis</i>	Oregon snowshoe hare		SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	224,180
<i>Lepus townsendii townsendii</i>	western white-tailed jackrabbit		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	744,646
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	746,035
Reptiles																										
CDFW Species of Special Concern																										
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		554,795
<p>Listing Status E = Endangered T = Threatened C = Candidate for listing FP = Fully Protected SC = CDFW Species of Special Concern</p> <p>¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available. ² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.</p> <p>Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019</p>																										

Table 7a Special-Status Plant Species Known or with Potential to Occur in the Mojave Desert Ecological Section (322A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Acanthoscyphus parishii</i> var. <i>goodmaniana</i>	Cushenbury oxytheca	E		1B.1	Pinyon and juniper woodland. On limestone talus and rocky slopes. 4593 to 7808 ft in elevation. Blooms May-October.
<i>Astragalus albens</i>	Cushenbury milk-vetch	E		1B.1	Desert wash. Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland. Sandy or stony flats, rocky hillsides, canyon washes, and fans, on carbonate or mixed granitic-calcareous debris. 3888 to 6398 ft in elevation. Blooms March-June.
<i>Deinandra arida</i>	Red Rock tarplant		R	1B.2	Mojavean desert scrub. Volcanic tuff; dry to moist sites where water has collected along ephemeral streams, and along road edges. 2280 to 3002 ft in elevation. Blooms April-November.
<i>Deinandra mohavensis</i>	Mojave tarplant		E	1B.3	Riparian scrub, coastal scrub, chaparral. Low sand bars in river bed; mostly in riparian areas or in ephemeral grassy areas. 2100 to 5249 ft in elevation. Blooms (May), June-October (January).
<i>Erigeron parishii</i>	Parish's daisy	T		1B.1	Mojavean desert scrub, pinyon and juniper woodland. Often on carbonate; limestone mountain slopes; often associated with drainages. Sometimes on granite. 3445 to 6398 ft in elevation. Blooms May-August.
<i>Eriogonum ovalifolium</i> var. <i>vineum</i>	Cushenbury buckwheat	E		1B.1	Mojavean desert scrub, pinyon and juniper woodland, Joshua tree woodland. Limestone mountain slopes. Dry, usually rocky places. 4692 to 8005 ft in elevation. Blooms May-August.
<i>Sidalcea covillei</i>	Owens Valley checkerbloom		E	1B.1	Meadows and seeps, chenopod scrub. Moist alkaline meadows and freshwater seeps, fine sandy loam soil, one occurrence in stoney calcareous soil. 3576 to 4642 ft in elevation. Blooms April-June.
California Rare Plant Ranked					
<i>Aliciella ripleyi</i>	Ripley's aliciella			2B.3	Mojavean desert scrub. On limestone; rocky slopes, rock/cliff bases, and rock crevices. 984 to 6398 ft in elevation. Blooms May-July.
<i>Asclepias nyctaginifolia</i>	Mojave milkweed			2B.1	Mojavean desert scrub, pinyon and juniper woodland. 2871 to 5577 ft in elevation. Blooms May-June.
<i>Astragalus bernardinus</i>	San Bernardino milk-vetch			1B.2	Joshua tree woodland, pinyon and juniper woodland. Granitic or carbonate substrates. 902 to 7500 ft in elevation. Blooms April-June.
<i>Astragalus geyeri</i> var. <i>geyeri</i>	Geyer's milk-vetch			2B.2	Chenopod scrub, Great Basin scrub. Sandy flats and valley floors, depressions in mobile or stabilized dunes, and along draws. 3789 to 6512 ft in elevation. Blooms May-August.
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch			1B.1	Alkali playa, wetland. Meadows and seeps, playas. Lake margins, alkaline sites. 246 to 1148 ft in elevation. Blooms May-October.
<i>Astragalus tidestromii</i>	Tidestrom's milk-vetch			2B.2	Mojavean desert scrub. Washes, in sandy or gravelly soil. On limestone. 2510 to 5167 ft in elevation. Blooms (January), April-July.
<i>Atriplex argentea</i> var. <i>hillmanii</i>	Hillman's silverscale			2B.2	Great Basin scrub, meadows and seeps. Alkaline meadows in scrub. 2936 to 5217 ft in elevation. Blooms June-September.
<i>Atriplex parishii</i>	Parish's brittle scale			1B.1	Alkali playa, wetland. Vernal pools, chenopod scrub, playas. Usually on drying alkali flats with fine soils. 16 to 4659 ft in elevation. Blooms June-October.
<i>Berberis fremontii</i>	Fremont barberry			2B.3	Pinyon and juniper woodland, Joshua tree woodland. Rocky, sometimes granitic. 3740 to 5807 ft in elevation. Blooms March-May.
<i>Boechara dispar</i>	pinyon rockcress			2B.3	Joshua tree woodland, pinyon and juniper woodland, Mojavean desert scrub. Granitic, gravelly slopes and mesas. Often under desert shrubs which support it as it grows. 3297 to 9203 ft in elevation. Blooms March-June.
<i>Boechara lincolnensis</i>	Lincoln rockcress			2B.3	Chenopod scrub, Mojavean desert scrub. On limestone. 2887 to 7907 ft in elevation. Blooms March-May.
<i>Boechara shockleyi</i>	Shockley's rockcress			2B.2	Pinyon and juniper woodland. On ridges, rocky outcrops and openings on limestone or quartzite; usually in pinyon or p-j series. 2871 to 7579 ft in elevation. Blooms May-June.
<i>Calochortus excavatus</i>	Inyo County star-tulip			1B.1	Chenopod scrub, meadows and seeps (alkaline). Mostly on fine, sandy loam soils with alkaline salts; grassy meadows in shadscale scrub. 394 to 7201 ft in elevation. Blooms April-July.
<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernal moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
<i>Calochortus striatus</i>	alkali mariposa-lily			1B.2	Chaparral, chenopod scrub, Mojavean desert scrub, meadows and seeps. Alkaline meadows and ephemeral washes. 230 to 7251 ft in elevation. Blooms April-June.
<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower			1B.2	Mojavean desert scrub, pinyon-juniper woodland, coastal scrub (alluvial fans). Sandy or gravelly places. 984 to 3937 ft in elevation. Blooms April-June.
<i>Cryptantha clokeyi</i>	Clokey's cryptantha			1B.2	Mojavean desert scrub. Sandy or gravelly soils. 2379 to 4478 ft in elevation. Blooms April.
<i>Cymopterus multinervatus</i>	purple-nerve cymopterus			2B.2	Mojavean desert scrub, pinyon and juniper woodland. Sandy or gravelly places. 2510 to 7201 ft in elevation. Blooms March-April.
<i>Cymopterus ripleyi</i> var. <i>saniculoides</i>	sanicle cymopterus			1B.2	Joshua tree woodland, Mojavean desert scrub. On sandy soils, often with carbonate; usually found in JT woodland or creosote bush scrub. 3707 to 5463 ft in elevation. Blooms April-June.
<i>Diplacus mohavensis</i>	Mojave monkeyflower			1B.2	Riparian scrub, coastal scrub, chaparral. Low sand bars in river bed; mostly in riparian areas or in ephemeral grassy areas. 2100 to 5249 ft in elevation. Blooms (May), June-October (January).
<i>Dudleya abramsii</i> ssp. <i>affinis</i>	San Bernardino Mountains dudleya			1B.2	Pebble (pavement) plain, upper montane coniferous forest, pinyon and juniper woodland. Outcrops, granite or quartzite, rarely limestone. 4101 to 8530 ft in elevation. Blooms April-July.
<i>Eremothera boothii</i> ssp. <i>boothii</i>	Booth's evening-primrose			2B.3	Joshua tree woodland, pinyon and juniper woodland. 951 to 7907 ft in elevation. Blooms April-September.
<i>Eremothera boothii</i> ssp. <i>intermedia</i>	Booth's hairy evening-primrose			2B.3	Great Basin scrub, pinyon and juniper woodland. Sandy sites. 2887 to 8809 ft in elevation. Blooms (May), June.
<i>Erigeron calvus</i>	bald daisy			1B.1	Great Basin scrub. Sagebrush and desert scrub; type locality is only known site. 4003 to 4003 ft in elevation. Blooms May.
<i>Erythranthe rhodopetra</i>	Red Rock Canyon monkeyflower			1B.1	Mojavean desert scrub. Sandy soils in washes derived from sedimentary rock of the Ricardo formation. 2198 to 2756 ft in elevation. Blooms March-April.
<i>Eschscholzia minutiflora</i> ssp. <i>twisselmannii</i>	Red Rock poppy			1B.2	Mojavean desert scrub. Volcanic tuff, with Larrea, Lycium, Eriogonum, Isomeris, Hemizonia. 2231 to 4035 ft in elevation. Blooms March-May.

Table 7a Special-Status Plant Species Known or with Potential to Occur in the Mojave Desert Ecological Section (322A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Layia heterotricha</i>	pale-yellow layia			1B.1	Cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Alkaline or clay soils; open areas. 295 to 5906 ft in elevation. Blooms March-June.
<i>Leptosiphon serrulatus</i>	Madera leptosiphon			1B.2	Cismontane woodland, lower montane coniferous forest. Dry slopes; often on decomposed granite in woodland. 984 to 4265 ft in elevation. Blooms April-May.
<i>Linanthus bernardinus</i>	Pioneertown linanthus			1B.2	Joshua tree woodland, pinyon-juniper woodland. 3904 to 4396 ft in elevation. Blooms March-May.
<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. linanthus			1B.2	Desert dunes, Sonoran desert scrub, Mojavean desert scrub, Joshua tree woodland. Sandy places. Usually in light-colored quartz sand; often in wash or bajada. 459 to 6808 ft in elevation. Blooms March-May.
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i>	sagebrush loeflingia			2B.2	Great Basin scrub, Sonoran desert scrub, desert dunes. Sandy flats and dunes. Sandy areas around clay slicks w/Sarcobatus, Atriplex, Tetradymia, etc. 2297 to 5299 ft in elevation. Blooms April-May.
<i>Mentzelia torreyi</i>	Torrey's blazing star			2B.2	Great Basin scrub, Mojavean desert scrub, pinyon-juniper woodland. Sandy or rocky sites; alkaline, usually volcanic soils. 3839 to 9301 ft in elevation. Blooms June-August.
<i>Mentzelia tridentata</i>	creamy blazing star			1B.3	Mojavean desert scrub. 2297 to 3806 ft in elevation. Blooms March-May.
<i>Monardella robinsonii</i>	Robison's monardella			1B.3	Pinyon and juniper woodland. Rocky desert slopes, often among granitic boulders. 2001 to 4921 ft in elevation. Blooms (February), April-September (October).
<i>Navarretia peninsularis</i>	Baja navarretia			1B.2	Lower montane coniferous forest, chaparral, meadows and seeps, pinyon and juniper woodland. Wet areas in open forest. 3773 to 7759 ft in elevation. Blooms (May), June-August.
<i>Navarretia setiloba</i>	Piute Mountains navarretia			1B.1	Cismontane woodland, pinyon and juniper woodland, valley and foothill grassland. Red clay soils, or on gravelly loam. 591 to 5397 ft in elevation. Blooms April-July.
<i>Nemacladus secundiflorus</i> var. <i>robbinsii</i>	Robbins' nemacladus			1B.2	Chaparral, valley and foothill grassland. Dry, sandy or gravelly slopes. 1148 to 5577 ft in elevation. Blooms April-June.
<i>Opuntia basilaris</i> var. <i>brachyclada</i>	short-joint beavertail			1B.2	Chaparral, Joshua tree woodland, Mojavean desert scrub, pinyon-juniper woodland. Sandy soil or coarse, granitic loam. 1394 to 5906 ft in elevation. Blooms April-June (August).
<i>Orobanche ludoviciana</i> var. <i>arenosa</i>	Suksdorf's broom-rape			2B.3	Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October).
<i>Oryctes nevadensis</i>	Nevada oryctes			2B.1	Desert wash. Chenopod scrub, Mojavean desert scrub. Dry sites in loose sandy soil in washes and desert foothills in the Owens Valley. 3199 to 8317 ft in elevation. Blooms April-June.
<i>Pediomelum castoreum</i>	Beaver Dam breadroot			1B.2	Desert wash. Joshua tree woodland, Mojavean desert scrub. Sandy soils; washes and roadcuts. 2001 to 3494 ft in elevation. Blooms April-May.
<i>Phacelia inyoensis</i>	Inyo phacelia			1B.2	Meadows and seeps. Alkaline meadows. 3002 to 10499 ft in elevation. Blooms April-August.
<i>Phacelia nashiana</i>	Charlotte's phacelia			1B.2	Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland. Granitic soils; sandy or rocky areas on steep slopes or flats. 1099 to 7152 ft in elevation. Blooms March-June.
<i>Plagiobothrys parishii</i>	Parish's popcornflower			1B.1	Great Basin scrub, Joshua tree woodland. Alkaline soils; mesic sites. 2461 to 4593 ft in elevation. Blooms March-June (November).
<i>Polygala intermontana</i>	intermountain milkwort			2B.1	Pinyon and juniper woodland. 3084 to 10105 ft in elevation. Blooms June-July (October).
<i>Ranunculus hydrocharoides</i>	intermountain milkwort			2B.1	Mojavean desert scrub. Springs. 2986 to 4708 ft in elevation. Blooms (April), May-August.
<i>Rosa woodsii</i> var. <i>glabrata</i>	Cushenbury rose			1B.1	Mojavean desert scrub. Springs. 2986 to 4708 ft in elevation. Blooms (April), May-August.
<i>Saltugilia latimeri</i>	Latimer's woodland-gilia			1B.2	Chaparral, Mojavean desert scrub, pinyon and juniper woodland. Rocky or sandy substrate; sometimes in washes, sometimes limestone. 394 to 7218 ft in elevation. Blooms March-June.
<i>Schoenus nigricans</i>	black bog-rush			2B.2	Marshes and swamps. Often in alkaline marshes. 492 to 6562 ft in elevation. Blooms August-September.
<i>Symphotrichum defoliatum</i>	San Bernardino aster			1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernal mesic grassland or near ditches, streams and springs; disturbed areas. 7 to 6693 ft in elevation. Blooms July-November.
<i>Thelypodium integrifolium</i> ssp. <i>complanatum</i>	foxtail thelypodium			2B.2	Great Basin scrub, meadows and seeps. Alkaline or subalkaline soils; mesic sites. 3806 to 8005 ft in elevation. Blooms June-October.

Listing Status
 E = Endangered
 T = Threatened
 R = Rare

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 - Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 - Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 7b Special-Status Wildlife Species Known or with Potential to Occur in the Mojave Desert Ecological Section (322A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																						Total Acreage of Associated CWHR Types within the Treatable Landscape ¹				
		Federal	State	Alkali Desert Scrub	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Coastal Oak Woodland	Desert Scrub	Desert Succulent Shrub	Jeffrey Pine	Joshua Tree	Juniper	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Ponderosa Pine		Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland
Amphibians																														
Federal and State Listed/CDFW Fully Protected																														
Anaxyrus californicus	arroyo (=arroyo southwestern) toad ²	E	SC	X	X	X	X		X		X			X	X			X	X	X	X	X			X		X			49,117
Batrachoseps stebbinsi	Tehachapi slender salamander		T		X		X							X				X											<1	
Rana draytonii	California red-legged frog ²	T	SC	X	X	X	X	X	X	X	X		X	X				X	X	X	X	X	X	X	X	X	X	X	181,674	
Rana muscosa	southern mountain yellow-legged frog ²	E	E		X	X					X			X	X			X	X	X	X		X		X		X		<1	
CDFW Species of Special Concern																														
Batrachoseps campi	Inyo Mountains slender salamander		SC	X						X																			21	
Lithobates pipiens	northern leopard frog ²		SC	X	X	X				X								X			X				X				3,116	
Spea hammondi	western spadefoot ²		SC		X				X	X								X						X		X		502		
Birds																														
Federal and State Listed/CDFW Fully Protected																														
Agelaius tricolor	tricolored blackbird		E SC	X	X		X	X		X	X			X	X			X	X	X	X	X	X			X	X	X	X	80,191
Aquila chrysaetos	golden eagle		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	307,905
Buteo swainsoni	Swainson's hawk		T	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	142,932	
Coccyzus americanus occidentalis	western yellow-billed cuckoo	T	E	X	X					X			X			X	X				X		X		X	X			3,871	
Elanus leucurus	white-tailed kite		FP		X		X	X		X			X				X	X	X						X		X	X	<1	
Empidonax traillii	willow flycatcher		E		X	X				X		X			X		X	X			X		X		X	X			1,411	
Empidonax traillii extimus	southwestern willow flycatcher	E	E	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	61,812	
Falco peregrinus anatum	American peregrine falcon		FP	X	X	X	X	X	X	X			X	X			X	X	X	X		X	X		X	X	X	X	<1	
Gymnogyps californianus	California condor	E	E FP		X		X	X		X	X		X	X			X	X	X	X	X	X			X	X	X	X	18,297	
Haliaeetus leucocephalus	bald eagle		E FP	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	39,153
Laterallus jamaicensis coturniculus	California black rail ²		T FP	X	X					X											X	X				X			-	
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	307,905	
Polioptila californica californica	coastal California gnatcatcher	T	SC		X		X	X		X			X				X	X	X	X					X			X	585	
Vireo bellii pusillus	least Bell's vireo	E	E	X	X		X	X	X	X		X	X			X	X	X	X					X		X	X	X	5,478	
CDFW Species of Special Concern																														
Accipiter gentilis	northern goshawk		SC	X	X	X			X		X	X	X	X	X		X	X	X	X	X		X		X	X	X		63,430	
Ammodramus savannarum	grasshopper sparrow		SC		X		X						X				X												<1	
Asio otus	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	307,905	
Athene cunicularia	burrowing owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	307,905	
Aythya Americana	redhead ²		SC	X	X		X	X		X			X	X			X	X	X	X					X	X	X	X	35,911	

Table 7b Special-Status Wildlife Species Known or with Potential to Occur in the Mojave Desert Ecological Section (322A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																							Total Acreage of Associated CWHR Types within the Treatable Landscape¹							
		Federal	State	Alkali Desert Scrub	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Coastal Oak Woodland	Desert Scrub	Desert Succulent Shrub	Jeffrey Pine	Joshua Tree	Juniper	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Ponderosa Pine	Sagebrush		Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland				
<i>Microtus californicus scirpensis</i>	Amargosa vole	E	E	X	X	X					X		X			X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	36,977
<i>Ovis canadensis nelsoni</i>	desert bighorn sheep		FP	X	X	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	166,509	
<i>Ovis canadensis sierrae</i>	Sierra Nevada bighorn sheep	E	E FP	X	X	X					X				X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	19,237		
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	E	SC		X		X	X			X			X			X	X	X	X					X						X	585		
<i>Sorex ornatus relictus</i>	Buena Vista Lake omate shrew	E	SC	X	X	X	X	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	37,547	
<i>Vulpes vulpes necator</i>	Sierra Nevada red fox	C	T	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X		X	X	X	X	X	X	270,929		
<i>Xerospermophilus mohavensis</i>	Mohave ground squirrel		T	X	X	X	X	X	X	X	X		X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	214,940		
CDFW Species of Special Concern																																		
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	307,905		
<i>Aplodontia rufa californica</i>	Sierra Nevada mountain beaver		SC		X						X										X				X						130			
<i>Chaetodipus fallax pallidus</i>	pallid San Diego pocket mouse		SC	X	X						X	X		X									X		X						-			
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	307,905		
<i>Euderma maculatum</i>	spotted bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	307,905		
<i>Eumops perotis californicus</i>	western mastiff bat		SC	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X		X	X	X	X	X	X	X	268,773		
<i>Glaucomys sabrinus californicus</i>	San Bernardino flying squirrel		SC	X	X	X			X		X		X	X			X	X	X	X	X	X		X		X		X			17,326			
<i>Lasiurus blossevillii</i>	western red bat		SC		X		X	X	X	X			X				X	X	X	X		X			X	X	X	X	X	X	5,282			
<i>Lasiurus xanthinus</i>	western yellow bat		SC		X				X	X		X	X				X					X			X		X				3,982			
<i>Lepus townsendii townsendii</i>	western white-tailed jackrabbit		SC	X	X	X					X														X						<1			
<i>Lontra canadensis sonora</i>	southwestern river otter²		SC	X							X																				-			
<i>Macrotus californicus</i>	California leaf-nosed bat		SC								X	X		X	X		X						X								4,275			
<i>Microtus californicus vallicola</i>	Owens Valley vole		SC	X	X	X					X		X			X	X	X		X	X	X	X	X	X	X	X	X	X	X	36,924			
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat		SC						X		X						X		X						X		X				<1			
<i>Onychomys torridus ramona</i>	southern grasshopper mouse		SC	X	X	X					X						X					X			X						-			
<i>Onychomys torridus tularensis</i>	Tulare grasshopper mouse		SC	X	X						X											X									-			
<i>Perognathus alticola alticola</i>	white-eared pocket mouse		SC		X	X			X		X	X				X	X		X		X		X		X		X				3,866			
<i>Perognathus alticola inexpectatus</i>	Tehachapi pocket mouse		SC	X	X		X		X	X			X	X		X		X		X	X				X		X				21,245			
<i>Sigmodon arizonae plenus</i>	Colorado River cotton rat		SC		X						X											X									-			
<i>Strix occidentalis occidentalis</i>	California spotted owl		SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	8,866		
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	307,905		
Reptiles																																		
Federal and State Listed/CDFW Fully Protected																																		
<i>Gopherus agassizii</i>	desert tortoise	T	T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,059		
CDFW Species of Special Concern																																		
<i>Anniella</i> sp.	California legless lizard		SC						X																						<1			
<i>Arizona elegans occidentalis</i>	California glossy snake		SC		X						X			X			X								X						<1			

Table 7b Special-Status Wildlife Species Known or with Potential to Occur in the Mojave Desert Ecological Section (322A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																				Total Acreage of Associated CWHR Types within the Treatable Landscape ¹					
		Federal	State	Alkali Desert Scrub	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Coastal Oak Woodland	Desert Scrub	Desert Succulent Shrub	Jeffrey Pine	Joshua Tree	Juniper	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland		Pinyon-Juniper	Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian
<i>Aspidoscelis tigris stejnegeri</i>	coastal whiptail		SC		X	X	X	X	X	X		X	X	X			X	X	X				X		X		X	X	<1
<i>Crotalus ruber</i>	red-diamond rattlesnake		SC								X	X		X	X	X													70
<i>Elgaria panamintina</i>	Panamint alligator lizard		SC	X							X															X		<1	
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	144,629
<i>Phrynosoma blainvillii</i>	coast horned lizard		SC	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	169,680
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake		SC	X	X	X	X	X	X	X			X	X			X	X	X	X	X	X		X		X	X	X	2,765
<i>Thamnophis hammondi</i>	two-striped gartersnake ²		SC		X	X	X	X	X	X			X	X	X	X	X	X	X	X	X		X		X		X	6,944	
<i>Uma scoparia</i>	Mojave fringe-toed lizard		SC	X	X	X			X		X	X		X	X	X	X	X	X		X		X		X		X	186,609	

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate for listing
 FP = Fully Protected
 SC = CDFW Species of Special Concern

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.

² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.

Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019

Table 8a Special-Status Plant Species Known or with Potential to Occur in the Mono Ecological Section (341D) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Astragalus johannis-howellii</i>	Long Valley milk-vetch		R	1B.2	Great Basin scrub. In sandy volcanic ash or pumice with sagebrush scrub. 6693 to 8301 ft in elevation. Blooms June-August.
<i>Astragalus lentiginosus</i> var. <i>piscinensis</i>	Fish Slough milk-vetch	T		1B.1	Alkali playa, wetland. Meadows, playas. Usually found on mounds in alkali meadows with sparse vegetative cover. 3675 to 4265 ft in elevation. Blooms June-July.
<i>Ivesia webberi</i>	Webber's ivesia	T		1B.1	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Rocky or gravelly volcanic soils. 3396 to 6299 ft in elevation. Blooms May-July.
<i>Sidalcea covillei</i>	Owens Valley checkerbloom		E	1B.1	Meadows and seeps, chenopod scrub. Moist alkaline meadows and freshwater seeps, fine sandy loam soil, one occurrence in stoney calcareous soil. 3576 to 4642 ft in elevation. Blooms April-June.
California Rare Plant Ranked					
<i>Aliciella triodon</i>	coyote gilia			2B.2	Great Basin scrub, pinyon-juniper woodland. 2001 to 5577 ft in elevation. Blooms April-June.
<i>Allium atrorubens</i> var. <i>atorubens</i>	Great Basin onion			2B.3	Great Basin scrub, pinyon-juniper woodland. In sandy, rocky, gravelly, or sometimes clay soils in the White Mountains. 3937 to 7595 ft in elevation. Blooms May-June.
<i>Astragalus argophyllus</i> var. <i>argophyllus</i>	silver-leaved milk-vetch			2B.2	Alkali playa, wetland. Meadows and seeps, playas. Alkaline and saline meadows, stream banks and lake shores, in stiff alluvial clays and loams. 4068 to 7710 ft in elevation. Blooms May-July.
<i>Astragalus lemmonii</i>	Lemmon's milk-vetch			1B.2	Great Basin scrub, meadows and seeps, marshes and swamps. Lakeshores, meadows and seeps. 3304 to 7218 ft in elevation. Blooms May-August (September).
<i>Astragalus oophorus</i> var. <i>lavinii</i>	Lavin's milk-vetch			1B.2	Great Basin scrub, pinyon and juniper woodland. Dry, open areas. 8038 to 10007 ft in elevation. Blooms June.
<i>Astragalus platytropis</i>	broad-keeled milk-vetch			2B.2	Alpine boulder and rock fields, pinyon and juniper woodland, subalpine coniferous forest. Bare ridges above timber line in pumice gravel, granite, dolomite, or limestone. 8186 to 11204 ft in elevation. Blooms June-September.
<i>Astragalus pseudiodanthus</i>	Tonopah milk-vetch			1B.2	Great Basin scrub. Stabilized dunes and sandy flats, often with <i>Sarcobatus baileyi</i> and <i>Hilaria jamesii</i> . 6660 to 6808 ft in elevation. Blooms May-June.
<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i>	Pulsifer's milk-vetch			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Usually granitic substrate, sandy or rocky, often with pines or sagebrush. 3757 to 6102 ft in elevation. Blooms May-August (September).
<i>Astragalus serenoii</i> var. <i>shockleyi</i>	Shockley's milk-vetch			2B.2	Chenopod scrub, pinyon and juniper woodland, Great Basin scrub. Coarse, granitic alluvium. 4921 to 7612 ft in elevation. Blooms (April), May-July.
<i>Atriplex gardneri</i> var. <i>falcata</i>	falcate saltbush			2B.2	Chenopod scrub, Great Basin scrub. Usually on subalkaline soils in low chenopod scrub. 4085 to 4511 ft in elevation. Blooms May-August.
<i>Atriplex pusilla</i>	smooth saltbush			2B.1	Great Basin scrub, meadows and seeps. Known from hot springs, alkali springs. 4364 to 6562 ft in elevation. Blooms June-September.
<i>Blepharidachne kingii</i>	King's eyelash grass			2B.3	Great Basin scrub. Rocky benches and alluvial fans. Usually on limestone. 1591 to 7005 ft in elevation. Blooms May.
<i>Boechera bodiensis</i>	Bodie Hills rockcress			1B.3	Alpine boulder and rock field, Great Basin scrub, pinyon and juniper woodland, subalpine coniferous forest. In rock crevices, outcrops, and on steep slopes. Granite and volcanic substrates. 6890 to 11598 ft in elevation. Blooms June-July (August).
<i>Boechera cobrensis</i>	Masonic rockcress			2B.3	Great Basin scrub, pinyon and juniper woodland. Usually sandy soils. 4429 to 11155 ft in elevation. Blooms June-July.
<i>Boechera dispar</i>	pinyon rockcress			2B.3	Joshua tree woodland, pinyon and juniper woodland, Mojavean desert scrub. Granitic, gravelly slopes and mesas. Often under desert shrubs which support it as it grows. 3297 to 9203 ft in elevation. Blooms March-June.
<i>Botrychium lunaria</i>	common moonwort			2B.3	Joshua tree woodland, pinyon and juniper woodland, Mojavean desert scrub. Granitic, gravelly slopes and mesas. Often under desert shrubs which support it as it grows. 3297 to 9203 ft in elevation. Blooms March-June.
<i>Calochortus excavatus</i>	Inyo County star-tulip			1B.1	Chenopod scrub, meadows and seeps (alkaline). Mostly on fine, sandy loam soils with alkaline salts; grassy meadows in shadscale scrub. 394 to 7201 ft in elevation. Blooms April-July.
<i>Carex scirpoidea</i> ssp. <i>pseudoscirpoidea</i>	western single-spiked sedge			2B.2	Alpine boulder and rock field, meadows and seeps, subalpine coniferous forest. Often on limestone, mesic sites. 6988 to 12008 ft in elevation. Blooms July-September.
<i>Chaetadelphia wheeleri</i>	Wheeler's dune-broom			2B.2	Desert dunes, Great Basin scrub, Mojavean desert scrub. Sandy sites. 2543 to 4806 ft in elevation. Blooms April-September.
<i>Crepis runcinata</i>	fiddleleaf hawkbeard			2B.2	Desert dunes, Great Basin scrub, Mojavean desert scrub. Sandy sites. 2543 to 4806 ft in elevation. Blooms April-September.
<i>Cryptantha fendleri</i>	sand dune cryptantha			2B.2	Mojavean desert scrub, pinyon and juniper woodland. Moist, alkaline valley bottoms. 1247 to 10203 ft in elevation. Blooms May-August.
<i>Cusickiella quadricostata</i>	Bodie Hills cusickiella			1B.2	Great Basin scrub. 6398 to 7251 ft in elevation. Blooms June-July.
<i>Cymopterus globosus</i>	globose cymopterus			2B.2	Great Basin scrub. Sandy, open flats. 3937 to 7005 ft in elevation. Blooms March-June.
<i>Draba incrassata</i>	Sweetwater Mountains draba			1B.3	Great Basin scrub. Sandy, open flats. 3937 to 7005 ft in elevation. Blooms March-June.
<i>Elymus scribneri</i>	Scribner's wheat grass			2B.3	Alpine boulder and rock field. On rocky slopes. 9514 to 13780 ft in elevation. Blooms July-August.
<i>Eremothera boothii</i> ssp. <i>boothii</i>	Booth's evening-primrose			2B.3	Joshua tree woodland, pinyon and juniper woodland. 951 to 7907 ft in elevation. Blooms April-September.
<i>Eremothera boothii</i> ssp. <i>intermedia</i>	Booth's hairy evening-primrose			2B.3	Great Basin scrub, pinyon and juniper woodland. Sandy sites. 2887 to 8809 ft in elevation. Blooms (May), June.
<i>Erigeron eatonii</i> var. <i>nevadincola</i>	Nevada daisy			2B.3	Great Basin scrub, pinyon and juniper woodland. Sandy sites. 2887 to 8809 ft in elevation. Blooms (May), June.

Table 8a Special-Status Plant Species Known or with Potential to Occur in the Mono Ecological Section (341D) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Eriogonum alexandrae</i>	Alexander's buckwheat			1B.1	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Rocky sites. 4593 to 6398 ft in elevation. Blooms May-July.
<i>Eriogonum microthecum</i> var. <i>schoolcraftii</i>	Schoolcraft's wild buckwheat			1B.2	Great Basin scrub, pinyon and juniper woodland. Shale or gravel. 9498 to 9498 ft in elevation. Blooms May-July.
<i>Eriogonum nutans</i> var. <i>nutans</i>	Dugway wild buckwheat			2B.3	Great Basin scrub, chenopod scrub. Sandy or gravelly sites; also cited as often in greasewood scrub in flat, silty areas. 4003 to 9843 ft in elevation. Blooms May-September (October).
<i>Erythranthe carsonensis</i>	Carson Valley monkeyflower			1B.1	Great Basin scrub, chenopod scrub. Sandy or gravelly sites; also cited as often in greasewood scrub in flat, silty areas. 4003 to 9843 ft in elevation. Blooms May-September (October).
<i>Erythranthe utahensis</i>	Utah monkeyflower			2B.1	Meadows and seeps, pinyon and juniper woodland. 2001 to 6398 ft in elevation. Blooms April.
<i>Fimbristylis thermalis</i>	hot springs fimbriatylis			2B.2	Meadows and seeps (alkaline). Near hot springs. 377 to 5200 ft in elevation. Blooms July-September.
<i>Glyceria grandis</i>	American manna grass			2B.3	Bogs and fens, meadows and seeps, marshes and swamps. Wet meadows, ditches, streams, and ponds, in valleys and lower elevations in the mountains. 197 to 6709 ft in elevation. Blooms June-August.
<i>Helodium blandowii</i>	Blandow's bog moss			2B.3	Meadows and seeps, subalpine coniferous forest. Moss growing on damp soil, especially under willows among leaf litter. 6109 to 8858 ft in elevation. Blooms .
<i>Hymenopappus filifolius</i> var. <i>nanus</i>	little cutleaf			2B.3	Pinyon-juniper woodland, subalpine coniferous forest. Limestone. 4921 to 10007 ft in elevation. Blooms May-September.
<i>Ivesia kingii</i> var. <i>kingii</i>	alkali ivesia			2B.2	Alkali playa. Meadows and seeps, Great Basin scrub, playas. Alkaline meadows, alkaline flats, and low-lying alkaline basins; w/ <i>Distichlis</i> , <i>Sporobolus</i> , <i>Juncus</i> , etc. 3937 to 6988 ft in elevation. Blooms May-August.
<i>Kobresia myosuroides</i>	seep kobresia			2B.2	Alpine boulder and rock field (mesic), meadows and seeps, subalpine coniferous forest. Moist places in alpine and subalpine meadows; can be on limestone substrate. 4888 to 10499 ft in elevation. Blooms (June), Aug.
<i>Ladeania lanceolata</i>	lance-leaved scurf-pea			2B.3	Great Basin scrub. Sandy clearings in Great Basin and winter fat scrub, and, outside of California, on alluvial plains. 3986 to 6660 ft in elevation. Blooms April-August.
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i>	sagebrush loeflingia			2B.2	Great Basin scrub, Sonoran desert scrub, desert dunes. Sandy flats and dunes. Sandy areas around clay slicks w/ <i>Sarcobatus</i> , <i>Atriplex</i> , <i>Tetradymia</i> , etc. 2297 to 5299 ft in elevation. Blooms April-May.
<i>Lupinus duranii</i>	Mono Lake lupine			1B.2	Great Basin scrub, subalpine coniferous forest, upper montane coniferous forest. Pumice sand flats, coarse barren soils of volcanic origin. 2493 to 10007 ft in elevation. Blooms May-August.
<i>Lupinus pusillus</i> var. <i>intermontanus</i>	intermontane lupine			2B.3	Great Basin scrub. Sandy soils. 3888 to 6759 ft in elevation. Blooms May-June.
<i>Mentzelia torreyi</i>	Torrey's blazing star			2B.2	Great Basin scrub, Mojavean desert scrub, pinyon-juniper woodland. Sandy or rocky sites; alkaline, usually volcanic soils. 3839 to 9301 ft in elevation. Blooms June-August.
<i>Micromonolepis pusilla</i>	dwarf monolepis			2B.3	Great Basin scrub. Alkaline sites, openings. 4446 to 7201 ft in elevation. Blooms May-August.
<i>Orobanche ludoviciana</i> var. <i>arenosa</i>	Suksdorf's broom-rape			2B.3	Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October).
<i>Oryctes nevadensis</i>	Nevada oryctes			2B.1	Great Basin scrub, subalpine coniferous forest, upper montane coniferous forest. Pumice sand flats, coarse barren soils of volcanic origin. 2493 to 10007 ft in elevation. Blooms May-August.
<i>Parnassia parviflora</i>	small-flowered grass-of-Parnassus			2B.2	Meadows and seeps. Wet areas, rocky seeps. 6594 to 9104 ft in elevation. Blooms August-September.
<i>Pedicularis crenulata</i>	scalloped-leaved lousewort			2B.2	Meadows and seeps. Near streams in wet meadows. 6890 to 7546 ft in elevation. Blooms June-July.
<i>Phacelia gymnoclada</i>	naked-stemmed phacelia			2B.3	Chenopod scrub, Great Basin scrub, pinyon-juniper woodland. Gravelly or clay soils. 4003 to 8366 ft in elevation. Blooms April-June (August).
<i>Phacelia inyoensis</i>	Inyo phacelia			1B.2	Meadows and seeps. Alkaline meadows. 3002 to 10499 ft in elevation. Blooms April-August.
<i>Phacelia monoensis</i>	Mono County phacelia			1B.1	Great Basin scrub, pinyon and juniper woodland. Ridgetops in alkaline mountain meadows in clay soils; also roadsides. 6988 to 9498 ft in elevation. Blooms May-July.
<i>Physocarpus alternans</i>	Nevada ninebark			2B.3	Pinyon and juniper woodland. Limestone soils; rocky sites. 6234 to 9810 ft in elevation. Blooms June-July.
<i>Plagiobothrys parishii</i>	Parish's popcornflower			1B.1	Great Basin scrub, Joshua tree woodland. Alkaline soils; mesic sites. 2461 to 4593 ft in elevation. Blooms March-June (November).
<i>Polygala intermontana</i>	intermountain milkwort			2B.1	Pinyon and juniper woodland. 3084 to 10105 ft in elevation. Blooms June-July (October).
<i>Polygala subspinosa</i>	spiny milkwort			2B.2	Great Basin scrub, pinyon and juniper woodland. Volcanic mesas, gravelly soils; often in sagebrush scrub. 4167 to 5594 ft in elevation. Blooms May-August.
<i>Potamogeton zosteriformis</i>	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
<i>Rumex venosus</i>	winged dock			2B.3	Great Basin scrub. Sandy substrates; broadly distributed; just barely gets into California at Honey Lake Valley. 3937 to 5906 ft in elevation. Blooms May-June.
<i>Sabulina stricta</i>	bog sandwort			2B.3	Meadows and seeps, alpine boulder and rock field, alpine dwarf scrub. Moist, granitic gravelly sites in sedge meadows and other alpine habitats. 8005 to 12992 ft in elevation. Blooms July-September.
<i>Sphaeromeria potentilloides</i> var. <i>nitrophila</i>	alkali tansy-sage			2B.2	Alkali playa, wetland. Meadows and seeps, playas. Usually alkaline soils. 6480 to 7201 ft in elevation. Blooms June-July.
<i>Sphenopholis obtusata</i>	prairie wedge grass			2B.2	Cismontane woodland, meadows and seeps. Open moist sites, along rivers and springs, alkaline desert seeps. 984 to 6562 ft in elevation. Blooms April-July.
<i>Streptanthus oliganthus</i>	Masonic Mountain jewelflower			1B.2	Pinyon and juniper woodland. Volcanic or decomposed granite soils, along roadsides and in old mine dumps. 6496 to 10007 ft in elevation. Blooms June-July.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	slender-leaved pondweed			2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.
<i>Suaeda occidentalis</i>	western seablite			2B.3	Great Basin scrub. Alkaline soils; mesic sites. 3986 to 4413 ft in elevation. Blooms July-September.

Table 8a Special-Status Plant Species Known or with Potential to Occur in the Mono Ecological Section (341D) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Tetradymia tetrameres</i>	dune horsebrush			2B.2	Great Basin scrub. Sandy soils. 3937 to 7005 ft in elevation. Blooms (July), Aug.
<i>Thelypodium integrifolium</i> ssp. <i>complanatum</i>	foxtail thelypodium			2B.2	Great Basin scrub, meadows and seeps. Alkaline or subalkaline soils; mesic sites. 3806 to 8005 ft in elevation. Blooms June-October.
<i>Thelypodium milleflorum</i>	many-flowered thelypodium			2B.2	Great Basin scrub, chenopod scrub. Big sagebrush and rabbitbrush/bitterbrush scrubs in sandy soils; often w/other sand-related herbs. 3937 to 8202 ft in elevation. Blooms April-June.
<i>Townsendia condensata</i>	cushion townsendia			2B.3	Alpine boulder and rock field, subalpine coniferous forest. Gravelly sites. 9400 to 12057 ft in elevation. Blooms July-August.
<i>Triglochin palustris</i>	marsh arrow-grass			2B.3	Meadows and seeps, freshwater marsh, subalpine coniferous forest. Mesic sites. 7497 to 12139 ft in elevation. Blooms July-August.
<i>Viola purpurea</i> ssp. <i>aurea</i>	golden violet			2B.2	Great Basin scrub, pinyon-juniper woodland. Dry, sandy slopes. 3281 to 8202 ft in elevation. Blooms April-June.

Listing Status

E = Endangered

T = Threatened

R = Rare

California Rare Plant Rank

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

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

2B = Plants rare or endangered in California, but more common elsewhere

Threat Ranks

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

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

0.3 - Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 8b Special-Status Wildlife Species Known or with Potential to Occur in the Mono Ecological Section (341D)																									
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																			Total Acreage of Associated CWHR Types within the Treatable Landscape ¹		
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Desert Scrub	Eastside Pine	Jeffrey Pine	Juniper	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Sagebrush	Sierran Mixed Conifer		Subalpine Conifer	White Fir
Amphibians																									
Federal and State Listed/CDFW Fully Protected																									
Anaxyrus canorus	Yosemite toad	T	SC				X					X								X				14	
Rana sierrae	Sierra Nevada yellow-legged frog ²	E	T		X	X	X	X	X	X		X			X		X	X	X	X	X	X		5,799	
CDFW Species of Special Concern																									
Lithobates pipiens	northern leopard frog ²		SC	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X		59,148	
Birds																									
Federal and State Listed/CDFW Fully Protected																									
Antigone canadensis tabida	greater sandhill crane		T FP		X		X		X		X		X		X	X	X	X			X			30,072	
Aquila chrysaetos	golden eagle		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,748
Buteo swainsoni	Swainson's hawk		T	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X				102,424	
Charadrius alexandrinus nivosus	western snowy plover ²	T		X	X	X	X	X	X				X				X	X	X	X	X			21,693	
Coccyzus americanus occidentalis	western yellow-billed cuckoo	T	E	X	X		X	X									X			X				8,571	
Empidonax traillii	willow flycatcher		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	31,920
Empidonax traillii extimus	southwestern willow flycatcher	E	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	146,934
Falco peregrinus anatum	American peregrine falcon		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,748
Haliaeetus leucocephalus	bald eagle		E FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	158,676
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	X	X	X	X	X	X					X				X	X	X	X			52,450	
Riparia riparia	bank swallow		T	X	X	X	X	X	X				X		X		X	X	X	X	X			42,842	
Strix nebulosa	great gray owl		E		X		X		X				X		X	X	X				X			4	
CDFW Species of Special Concern																									
Accipiter gentilis	northern goshawk		SC	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	47,681
Asio flammeus	short-eared owl		SC	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	144,315
Asio otus	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,748
Athene cucularia	burrowing owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,748
Aythya americana	redhead ²		SC	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	142,919
Centrocercus urophasianus	greater sage-grouse		SC	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	136,514
Chaetura vauxi	Vaux's swift		SC		X									X	X	X				X				<1	
Chlidonias niger	black tern ²		SC		X		X		X		X		X	X	X	X	X			X				30,072	
Circus hudsonius	northern harrier		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	174,523
Contopus cooperi	olive-sided flycatcher		SC	X	X	X	X	X	X			X	X		X	X	X	X	X	X	X	X	X	X	323
Coturnicops noveboracensis	yellow rail ²		SC		X	X											X	X	X	X				-	
Cypseloides niger	black swift		SC		X		X		X	X		X		X		X	X	X	X	X	X	X		7,255	
Dendragapus fuliginosus howardi	Mount Pinos sooty grouse		SC	X	X	X	X	X									X			X				<1	

Table 8b Special-Status Wildlife Species Known or with Potential to Occur in the Mono Ecological Section (341D)																									
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																			Total Acreage of Associated CWHR Types within the Treatable Landscape ¹		
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Desert Scrub	Eastside Pine	Jeffrey Pine	Juniper	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Sagebrush	Sierran Mixed Conifer		Subalpine Conifer	White Fir
<i>Icteria virens</i>	yellow-breasted chat		SC	X	X	X	X	X						X				X	X		X			40,175	
<i>Ixobrychus exilis</i>	least bittern ²		SC	X			X	X										X			X			20	
<i>Lanius ludovicianus</i>	loggerhead shrike		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,442
<i>Pelecanus erythrorhynchos</i>	American white pelican ²		SC	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			93,876	
<i>Piranga rubra</i>	summer tanager		SC	X	X		X											X						688	
<i>Progne subis</i>	purple martin		SC		X										X	X	X				X			<1	
<i>Setophaga petechia</i>	yellow warbler		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,748
<i>Toxostoma lecontei</i>	Le Conte's thrasher		SC	X	X	X	X	X						X				X	X	X	X			53,207	
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,442
Invertebrates																									
Federal and State Listed/CDFW Fully Protected																									
<i>Ambrysus funebris</i>	Nevars Spring naucorid bug (=Furnace Creek) ²	C		X	X	X	X	X						X				X	X		X	X	X	42,281	
<i>Bombus crotchii</i>	Crotch bumble bee ²		C		X	X												X						941	
<i>Bombus occidentalis occidentalis</i>	western bumble bee ²		C		X	X			X	X		X			X	X	X	X	X					4,975	
<i>Monadenia infumata setosa</i>	Trinity bristle snail		T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,693
<i>Pseudocopaodes eunus obscurus</i>	Carson wandering skipper	E			X										X	X		X			X			5,205	
<i>Speyeria callippe callippe</i>	callippe silverspot butterfly	E		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,693
Mammals																									
Federal and State Listed/CDFW Fully Protected																									
<i>Bassariscus astutus</i>	ringtail		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	172,825
<i>Gulo gulo</i>	California wolverine	C	T FP	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	38,592
<i>Microtus californicus scirpensis</i>	Amargosa vole	E	E	X	X	X	X	X						X				X	X		X		X	42,281	
<i>Ovis canadensis nelsoni</i>	desert bighorn sheep		FP	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	148,798
<i>Ovis canadensis sierrae</i>	Sierra Nevada bighorn sheep	E	E FP	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	37,873
<i>Pekania pennant</i>	fisher-West Coast DPS		T SC		X	X	X		X	X			X		X	X	X	X		X	X	X	X	583	
<i>Sorex ornatus relictus</i>	Buena Vista Lake omate shrew	E	SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,693
CDFW Species of Special Concern																									
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,748
<i>Aplodontia rufa californica</i>	Sierra Nevada mountain beaver		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	64,674
<i>Brachylagus idahoensis</i>	pygmy rabbit		SC	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	108,747
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,208
<i>Euderma maculatum</i>	spotted bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,748
<i>Lepus americanus tahoensis</i>	Sierra Nevada snowshoe hare		SC	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				13,194

Table 8b Special-Status Wildlife Species Known or with Potential to Occur in the Mono Ecological Section (341D)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																			Total Acreage of Associated CWHR Types within the Treatable Landscape ¹		
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Desert Scrub	Eastside Pine	Jeffrey Pine	Juniper	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Sagebrush	Sierran Mixed Conifer		Subalpine Conifer	White Fir
<i>Lepus townsendii townsendii</i>	western white-tailed jackrabbit		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	187,779
<i>Microtus californicus vallicola</i>	Owens Valley vole		SC	X	X	X	X	X										X	X	X	X			48,174	
<i>Sorex lyelli</i>	Mount Lyell shrew		SC	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	54,273
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	188,748

Reptiles

CDFW Species of Special Concern

<i>Emys marmorata</i>	western pond turtle ²		SC		X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	164,066
<i>Elgaria panamintina</i>	Panamint alligator lizard		SC	X	X		X	X				X	X	X	X	X		X	X					178,636

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate for listing
 FP = Fully Protected
 SC = CDFW Species of Special Concern

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.

² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.

Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019

Table 9a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Alopecurus aequalis</i> var. <i>sonomensis</i>	Sonoma alopecurus	E		1B.1	Freshwater marshes and swamps, riparian scrub. Wet areas, marshes, and riparian banks, with other wetland species. 16 to 1181 ft in elevation. Blooms May-July.
<i>Arabis mcdonaldiana</i>	McDonald's rockcress		E	1B.1	Lower montane coniferous forest, ultramafic, upper montane coniferous forest. Rocky outcrops, ridges, slopes, and flats on serpentine. 443 to 5906 ft in elevation. Blooms May-July.
<i>Arctostaphylos bakeri</i> ssp. <i>bakeri</i>	Baker's manzanita		R	1B.1	Broadleafed upland forest, chaparral. Entire species State-listed Rare. Often on serpentine. This is the State-listed Rare taxon, also known as <i>A. bakeri</i> in Title 14. 246 to 755 ft in elevation. Blooms February-April.
<i>Arctostaphylos bakeri</i> ssp. <i>sublaevis</i>	The Cedars manzanita		R	1B.2	Chaparral, closed-cone coniferous forest. In serpentine chaparral and Sargent cypress woodland; typically in canyons and on slopes. 607 to 2493 ft in elevation. Blooms February-May.
<i>Astragalus agnicidus</i>	Humboldt County milk-vetch		E	1B.1	Broadleafed upland forest, north coast coniferous forest. Disturbed openings in partially timbered forest lands; also along ridgelines; south aspects. 525 to 2198 ft in elevation. Blooms April-September.
<i>Astragalus claranus</i>	Clara Hunt's milk-vetch	E	T	1B.1	Cismontane woodland, valley and foothill grassland, chaparral. Open grassy hillsides, especially on exposed shoulders in thin, volcanic clay soil moist in spring. 246 to 902 ft in elevation. Blooms March-May.
<i>Bensoniella oregona</i>	bensoniella		R	1B.1	Bogs and fens, lower montane coniferous forest, meadows and seeps. Wet meadows and openings in forest. 3084 to 4560 ft in elevation. Blooms May-July.
<i>Blennosperma bakeri</i>	Sonoma sunshine	E	E	1B.1	Vernal pools, valley and foothill grassland. Vernal pools and swales. 33 to 361 ft in elevation. Blooms March-May.
<i>Calamagrostis foliosa</i>	leafy reed grass		R	4.2	Coastal bluff scrub, north coast coniferous forest. Rocky cliffs and ocean-facing bluffs. 0 to 4003 ft in elevation. Blooms May-September.
<i>Calochortus tiburonensis</i>	Tiburon mariposa-lily	T	T	1B.1	Valley and foothill grassland. On open, rocky, slopes in serpentine grassland. 164 to 492 ft in elevation. Blooms March-June.
<i>Castilleja affinis</i> var. <i>neglecta</i>	Tiburon paintbrush	E	T	1B.2	Valley and foothill grassland. Rocky serpentine sites. 394 to 1312 ft in elevation. Blooms April-June.
<i>Ceanothus masonii</i>	Mason's ceanothus		R	1B.2	Chaparral. Serpentine ridges or slopes in chaparral or transition zone. 591 to 1509 ft in elevation. Blooms March-April.
<i>Chloropyron molle</i> ssp. <i>molle</i>	soft salty bird's-beak	E	R	1B.2	Coastal salt marsh. In coastal salt marsh with <i>Distichlis</i> , <i>Salicornia</i> , <i>Frankenia</i> , etc. 0 to 16 ft in elevation. Blooms July-November.
<i>Chorizanthe howellii</i>	Howell's spineflower	E	T	1B.2	Coastal dunes, coastal prairie, coastal scrub. Sand dunes, sandy slopes, and sandy areas in coastal prairie. 0 to 66 ft in elevation. Blooms May-July.
<i>Chorizanthe valida</i>	Sonoma spineflower	E	E	1B.1	Coastal prairie. Sandy soil. 16 to 164 ft in elevation. Blooms June-August.
<i>Cordylanthus tenuis</i> ssp. <i>capillaris</i>	Pennell's bird's-beak	E	R	1B.2	Closed-cone coniferous forest, chaparral. In open or disturbed areas on serpentine within forest or chaparral. 295 to 705 ft in elevation. Blooms June-September.
<i>Delphinium bakeri</i>	Baker's larkspur	E	E	1B.1	Broadleafed upland forest, coastal scrub, valley and foothill grassland. Only site occurs on NW-facing slope, on decomposed shale. Historically known from grassy areas along fencelines too. 344 to 673 ft in elevation. Blooms March-May.
<i>Delphinium luteum</i>	golden larkspur	E	R	1B.1	Chaparral, coastal prairie, coastal scrub. North-facing rocky slopes. 0 to 328 ft in elevation. Blooms March-May.
<i>Eryngium constancei</i>	Loch Lomond button-celery	E	E	1B.1	Vernal pools, Volcanic ash flow vernal pools. 1509 to 2805 ft in elevation. Blooms April-June.
<i>Erysimum menziesii</i>	Menzies' wallflower	E	E	1B.1	Coastal dunes. Localized on dunes and coastal strand. 3 to 82 ft in elevation. Blooms March-September.
<i>Fritillaria roderickii</i>	Roderick's fritillary		E	1B.1	Coastal bluff scrub, coastal prairie, valley and foothill grassland. Grassy slopes, mesas. 49 to 2001 ft in elevation. Blooms March-May.
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop		E	1B.2	Marshes and swamps (freshwater), vernal pools. Clay soils; usually in vernal pools, sometimes on lake margins. 33 to 7792 ft in elevation. Blooms April-August.
<i>Hesperolinon congestum</i>	Marin western flax	T	T	1B.1	Chaparral, valley and foothill grassland. In serpentine barrens and in serpentine grassland and chaparral. 197 to 1214 ft in elevation. Blooms April-July.
<i>Holocarpha macradenia</i>	Santa Cruz tarplant	T	E	1B.1	Coastal prairie, coastal scrub, valley and foothill grassland. Light, sandy soil or sandy clay; often with nonnatives. 33 to 722 ft in elevation. Blooms June-October.
<i>Howellia aquatilis</i>	water howellia	T		2B.2	Freshwater marshes and swamps. In clear ponds with other aquatics and surrounded by ponderosa pine forest and sometimes riparian associates. 3593 to 4528 ft in elevation. Blooms June.
<i>Lasthenia burkei</i>	Burke's goldfields	E	E	1B.1	Vernal pools, meadows and seeps. Most often in vernal pools and swales. 49 to 1969 ft in elevation. Blooms April-June.
<i>Lasthenia conjugens</i>	Contra Costa goldfields	E		1B.1	Alkali playa, Valley and foothill grassland, vernal pools, alkaline playas, cismontane woodland. Vernal pools, swales, low depressions, in open grassy areas. 3 to 1476 ft in elevation. Blooms March-June.
<i>Layia carnosa</i>	beach layia	E	E	1B.1	Coastal dunes, coastal scrub. On sparsely vegetated, semi-stabilized dunes, usually behind foredunes. 0 to 98 ft in elevation. Blooms March-July.
<i>Lilaeopsis masonii</i>	Mason's lilaeopsis		R	1B.1	Freshwater and brackish marshes, riparian scrub. Tidal zones, in muddy or silty soil formed through river deposition or river bank erosion. 0 to 33 ft in elevation. Blooms April-November.
<i>Lilium occidentale</i>	western lily	E	E	1B.1	Coastal scrub, freshwater marsh, bogs and fens, coastal bluff scrub, coastal prairie, north coast coniferous forest, marshes and swamps. Well-drained, old beach washes overlain with wind-blown alluvium and organic topsoil; usually near margins of Sitka spruce. 10 to 361 ft in elevation. Blooms June-July.
<i>Lilium pardalinum</i> ssp. <i>pitkinense</i>	Pitkin Marsh lily	E	E	1B.1	Cismontane woodland, meadows and seeps, marshes and swamps. Saturated, sandy soils with grasses and shrubs. 148 to 213 ft in elevation. Blooms June-July.
<i>Limnanthes bakeri</i>	Baker's meadowfoam		R	1B.1	Coastal dunes and coastal strand. Foredunes and interdunes with sparse cover. <i>A. umb. breviflora</i> is usually the plant closest to the ocean. 0 to 33 ft in elevation. Blooms June-October.
<i>Limnanthes douglasii</i> ssp. <i>sulphurea</i>	Point Reyes meadowfoam		E	1B.2	Coastal dunes, coastal bluff scrub, coastal prairie. Sandy or gravelly soil close to rocks; often in nutrient-poor soil with sparse vegetation. 16 to 1198 ft in elevation. Blooms May-July.

Table 9a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Limnanthes vinculans</i>	Sebastopol meadowfoam	E	E	1B.1	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
<i>Lupinus tidestromii</i>	Tidestrom's lupine	E	E	1B.1	Cismontane woodland, valley and foothill grassland. Clay soils; often on serpentine; sometimes on volcanics. Dry hillsides. 16 to 1148 ft in elevation. Blooms (April), May-June.
<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>	few-flowered navarretia	E	T	1B.1	Broadleafed upland forest, chaparral, cismontane woodland. Openings in forest or woodland or in chaparral. 98 to 2411 ft in elevation. Blooms April-July.
<i>Navarretia leucocephala</i> ssp. <i>plieantha</i>	many-flowered navarretia	E	E	1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
<i>Noccaea fendleri</i> ssp. <i>californica</i>	Kneeland Prairie pennycress	E		1B.1	Meadows and seeps. Wet sites. 10 to 6217 ft in elevation. Blooms April-July.
<i>Pentachaeta bellidiflora</i>	white-rayed pentachaeta	E	E	1B.1	Chaparral, cismontane woodland, lower montane coniferous forest. Volcanic soils. 738 to 6004 ft in elevation. Blooms January-May (July).
<i>Plagiobothrys strictus</i>	Calistoga popcornflower	E	T	1B.1	Chaparral, valley and foothill grassland. Serpentine slopes in chaparral and grassland. 492 to 2231 ft in elevation. Blooms February-April.
<i>Pleuropogon hooverianus</i>	North Coast semaphore grass		T	1B.1	Closed-cone coniferous forest. Acidic, sandy-clay soils in dwarf coniferous forest. 295 to 607 ft in elevation. Blooms January.
<i>Streptanthus glandulosus</i> ssp. <i>niger</i>	Tiburon jewelflower	E	E	1B.1	Valley and foothill grassland. Shallow, rocky serpentine slopes. 98 to 492 ft in elevation. Blooms May-June.
<i>Trifolium amoenum</i>	two-fork clover	E		1B.1	Valley and foothill grassland, coastal bluff scrub. Sometimes on serpentine soil, open sunny sites, swales. Most recently cited on roadside and eroding cliff face. 16 to 1017 ft in elevation. Blooms April-June.
<i>Trifolium polyodon</i>	Pacific Grove clover		R	1B.1	Closed-cone coniferous forest, meadows and seeps, coastal prairie, valley and foothill grassland. Along small springs and seeps in grassy openings. 16 to 394 ft in elevation. Blooms April-June (July).
<i>Trifolium trichocalyx</i>	Monterey clover	E	E	1B.1	Closed-cone coniferous forest. Openings, burned areas, and roadsides. Sandy soils. 197 to 689 ft in elevation. Blooms April-June.
California Rare Plant Ranked					
<i>Abronia umbellata</i> var. <i>breviflora</i>	pink sand-verbena			1B.1	Coastal dunes and coastal strand. Foredunes and interdunes with sparse cover. <i>A. umb. breviflora</i> is usually the plant closest to the ocean. 0 to 33 ft in elevation. Blooms June-October.
<i>Agrostis blasdalei</i>	Blasdale's bent grass			1B.2	Coastal dunes, coastal bluff scrub, coastal prairie. Sandy or gravelly soil close to rocks; often in nutrient-poor soil with sparse vegetation. 16 to 1198 ft in elevation. Blooms May-July.
<i>Alisma gramineum</i>	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
<i>Allium peninsulare</i> var. <i>franciscanum</i>	Franciscan onion			1B.2	Cismontane woodland, valley and foothill grassland. Clay soils; often on serpentine; sometimes on volcanics. Dry hillsides. 16 to 1148 ft in elevation. Blooms (April), May-June.
<i>Amorpha californica</i> var. <i>napensis</i>	Napa false indigo			1B.2	Broadleafed upland forest, chaparral, cismontane woodland. Openings in forest or woodland or in chaparral. 98 to 2411 ft in elevation. Blooms April-July.
<i>Amsinckia lunaris</i>	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
<i>Anthoxanthum nitens</i> ssp. <i>nitens</i>	vanilla-grass			2B.3	Meadows and seeps. Wet sites. 10 to 6217 ft in elevation. Blooms April-July.
<i>Arctostaphylos manzanita</i> ssp. <i>elegans</i>	Konocti manzanita			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Volcanic soils. 738 to 6004 ft in elevation. Blooms January-May (July).
<i>Arctostaphylos montana</i> ssp. <i>montana</i>	Mt. Tamalpais manzanita			1B.3	Chaparral, valley and foothill grassland. Serpentine slopes in chaparral and grassland. 492 to 2231 ft in elevation. Blooms February-April.
<i>Arctostaphylos nummularia</i> ssp. <i>mendocinoensis</i>	pygmy manzanita			1B.2	Closed-cone coniferous forest. Acidic, sandy-clay soils in dwarf coniferous forest. 295 to 607 ft in elevation. Blooms January.
<i>Arctostaphylos stanfordiana</i> ssp. <i>decumbens</i>	Rincon Ridge manzanita			1B.1	Chaparral, cismontane woodland. Highly restricted endemic to red rhyolites in Sonoma County. 295 to 1230 ft in elevation. Blooms February-April (May).
<i>Arctostaphylos stanfordiana</i> ssp. <i>raichei</i>	Raiche's manzanita			1B.1	Chaparral, lower montane coniferous forest. Rocky, serpentine sites. Slopes and ridges. 1591 to 3510 ft in elevation. Blooms February-April.
<i>Arctostaphylos virgata</i>	Marin manzanita			1B.2	Broadleafed upland forest, closed-cone coniferous forest, chaparral, north coast coniferous forest. On sandstone or granitic. 3 to 2625 ft in elevation. Blooms January-March.
<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i>	coastal marsh milk-vetch			1B.2	Coastal dunes, marshes and swamps, coastal scrub. Mesic sites in dunes or along streams or coastal salt marshes. 0 to 509 ft in elevation. Blooms April-October.
<i>Astragalus rattanii</i> var. <i>jepsonianus</i>	Jepson's milk-vetch			1B.2	Cismontane woodland, valley and foothill grassland, chaparral. Commonly on serpentine in grassland or openings in chaparral. 574 to 3297 ft in elevation. Blooms March-June.
<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch			1B.2	Alkali playa, valley and foothill grassland, vernal pools. Low ground, alkali flats, and flooded lands; in annual grassland or in playas or vernal pools. 0 to 551 ft in elevation. Blooms March-June.
<i>Astragalus umbraticus</i>	Bald Mountain milk-vetch			2B.3	Cismontane woodland, lower montane coniferous forest. Dry open oak and pine woodlands; sometimes on roadsides. 689 to 4003 ft in elevation. Blooms May-August.
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
<i>Brasenia schreberi</i>	watershield			2B.3	Freshwater marshes and swamps. Aquatic from water bodies both natural and artificial in California. 98 to 7218 ft in elevation. Blooms June-September.
<i>Brodiaea leptandra</i>	narrow-anthered brodiaea			1B.2	Broadleafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, valley and foothill grassland. Volcanic substrates. 98 to 1936 ft in elevation. Blooms May-July.

Table 9a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
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<i>Bryoria spiralis</i>	twisted horsehair lichen			1B.1	North coast coniferous forest. Usually on conifers. 0 to 98 ft in elevation.
<i>Calamagrostis crassiglumis</i>	Thurber's reed grass			2B.1	Coastal scrub, marshes and swamps. Usually in marshy swales surrounded by grassland or coastal scrub. 16 to 164 ft in elevation. Blooms May-August.
<i>Calicium adpersum</i>	spiral-spored gilded-head pin lichen			2B.2	Only known in California from a Sequoia sempervirens stand. Restricted throughout its range to old-growth conifer forests in relatively cool-humid stands with maritime climatic influence. Restricted to aged bark of conifers, typically old-growth trees over 200 years of age. 656 to 656 ft in elevation.
<i>Calochortus raichei</i>	The Cedars fairy-lantern			1B.2	Closed-cone coniferous forest, chaparral. On serpentine. Usually on shaded slopes, but also on barrens and talus. 837 to 1411 ft in elevation. Blooms May-August.
<i>Calystegia purpurata</i> ssp. <i>saxicola</i>	coastal bluff morning-glory			1B.2	Coastal dunes, coastal scrub, coastal bluff scrub, north coast coniferous forest. 33 to 344 ft in elevation. Blooms (March), April-September.
<i>Campanula californica</i>	swamp harebell			1B.2	Bogs and fens, closed-cone coniferous forest, coastal prairie, meadows and seeps, freshwater marsh, north coast coniferous forest. Bogs and marshes in a variety of habitats; uncommon where it occurs. 3 to 1329 ft in elevation. Blooms June-October.
<i>Cardamine angulata</i>	seaside bittercress			2B.1	North coast coniferous forest, lower montane coniferous forest. Wet areas, streambanks. 295 to 509 ft in elevation. Blooms (January), March-July.
<i>Carex arcta</i>	northern clustered sedge			2B.2	Bogs and fens, north coast coniferous forest. Mesic sites. 197 to 4610 ft in elevation. Blooms June-September.
<i>Carex californica</i>	California sedge			2B.3	Bogs and fens, closed-cone coniferous forest, coastal prairie, meadows and seeps, marshes and swamps. Meadows, drier areas of swamps, marsh margins. 295 to 1099 ft in elevation. Blooms May-August.
<i>Carex comosa</i>	bristly sedge			2B.1	Marshes and swamps, coastal prairie, valley and foothill grassland. Lake margins, wet places; site below sea level is on a Delta island. -16 to 5315 ft in elevation. Blooms May-September.
<i>Carex lenticularis</i> var. <i>limnophila</i>	lagoon sedge			2B.2	Bogs and fens, marshes and swamps, north coast coniferous forest. Lakeshores, beaches. Often in gravelly substrates. 0 to 20 ft in elevation. Blooms June-August.
<i>Carex leptalea</i>	bristle-stalked sedge			2B.2	Bogs and fens, meadows and seeps, marshes and swamps. Mostly known from bogs and wet meadows. 10 to 4577 ft in elevation. Blooms March-July.
<i>Carex livida</i>	livid sedge			2A	Bogs and fens. Historically known from a sphagnum bog in California. 0 to 0 ft in elevation. Blooms June.
<i>Carex lyngbyei</i>	Lyngbye's sedge			2B.2	Marshes and swamps (brackish or freshwater). 0 to 656 ft in elevation. Blooms April-August.
<i>Carex praticola</i>	northern meadow sedge			2B.2	Meadows and seeps. Moist to wet meadows. 49 to 10499 ft in elevation. Blooms May-July.
<i>Carex saliniformis</i>	deceiving sedge			1B.2	Coastal prairie, coastal scrub, meadows and seeps, marshes and swamps (coastal salt). Mesic sites. 10 to 755 ft in elevation. Blooms June (July).
<i>Carex serpenticola</i>	serpentine sedge			2B.3	Meadows and seeps. Mesic, serpentine sites. 66 to 5610 ft in elevation. Blooms March-May.
<i>Carex viridula</i> ssp. <i>viridula</i>	green yellow sedge			2B.3	Bogs and fens, marshes and swamps (freshwater), north coast coniferous forest. Mesic sites. 0 to 5594 ft in elevation. Blooms (June), July-September (November).
<i>Castilleja ambigua</i> var. <i>humboldtensis</i>	Humboldt Bay owl's-clover			1B.2	Salt marsh, Marshes and swamps. In coastal saltmarsh with Spartina, Distichlis, Salicornia, Jaumea. 0 to 66 ft in elevation. Blooms April-August.
<i>Castilleja ambigua</i> var. <i>meadii</i>	Mead's owls-clover			1B.1	Vernal pools, meadows and seeps. Soils of volcanic origin and tend to have high clay content and be gravelly. 1476 to 1558 ft in elevation. Blooms April-May.
<i>Castilleja litoralis</i>	Oregon coast paintbrush			2B.2	Coastal bluff scrub, coastal dunes, coastal scrub. Sandy sites. 16 to 837 ft in elevation. Blooms June.
<i>Castilleja mendocinensis</i>	Mendocino Coast paintbrush			1B.2	Coastal bluff scrub, coastal scrub, coastal prairie, closed-cone coniferous forest, coastal dunes. Often on sea bluffs or cliffs in coastal bluff scrub or prairie. 0 to 525 ft in elevation. Blooms April-August.
<i>Ceanothus confusus</i>	Rincon Ridge ceanothus			1B.1	Closed-cone coniferous forest, chaparral, cismontane woodland. Known from volcanic or serpentine soils, dry shrubby slopes. 246 to 3494 ft in elevation. Blooms February-June.
<i>Ceanothus decoratus</i>	Nicasio ceanothus			1B.2	Maritime chaparral; serpentinite, rocky, sometimes clay. 771 to 951 ft in elevation. Blooms March-May.
<i>Ceanothus divergens</i>	Calistoga ceanothus			1B.2	Chaparral. Rocky, serpentine or volcanic sites. 558 to 3117 ft in elevation. Blooms February-April.
<i>Ceanothus foliosus</i> var. <i>vineatus</i>	Vine Hill ceanothus			1B.1	Sandy, acidic soil in chaparral. 148 to 1001 ft in elevation. Blooms March-May.
<i>Ceanothus gloriosus</i> var. <i>porrectus</i>	Mt. Vision ceanothus			1B.3	Closed-cone coniferous forest, coastal prairie, coastal scrub, valley and foothill grassland. Low shrub in a variety of habitats on Pt. Reyes; sandy soils. 33 to 1099 ft in elevation. Blooms February-May.
<i>Ceanothus purpureus</i>	holly-leaved ceanothus			1B.2	Chaparral, cismontane woodland. Rocky, volcanic slopes. 476 to 2559 ft in elevation. Blooms February-June.
<i>Ceanothus sonomensis</i>	Sonoma ceanothus			1B.2	Chaparral. Sandy, serpentine or volcanic soils. 459 to 2608 ft in elevation. Blooms February-April.
<i>Centromadia parryi</i> ssp. <i>parryi</i>	pappose tarplant			1B.2	Chaparral, coastal prairie, meadows and seeps, coastal salt marsh, valley and foothill grassland. Vernal mesic, often alkaline sites. 7 to 1378 ft in elevation. Blooms May-November.
<i>Chlorogalum pomeridianum</i> var. <i>minus</i>	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
<i>Chloropyron maritimum</i> ssp. <i>palustre</i>	Point Reyes salty bird's-beak			1B.2	Coastal salt marsh. Usually in coastal salt marsh with Salicornia, Distichlis, Jaumea, Spartina, etc. 0 to 377 ft in elevation. Blooms June-October.
<i>Chorizanthe cuspidata</i> var. <i>cuspidata</i>	San Francisco Bay spineflower			1B.2	Broadleafed upland forest, chaparral, meadows and seeps. Serpentine seeps and streams in chaparral and woodland. 591 to 2001 ft in elevation. Blooms May-August.
<i>Chorizanthe cuspidata</i> var. <i>villosa</i>	woolly-headed spineflower			1B.2	Coastal bluff scrub, coastal scrub. 33 to 328 ft in elevation. Blooms June-August.

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<i>Cicuta maculata</i> var. <i>bolanderi</i>	Bolander's water-hemlock			2B.1	Coastal bluff scrub. Highly exposed rocky bluffs with a near-vertical slope. 0 to 328 ft in elevation. Blooms April-May.
<i>Cirsium andrewsii</i>	Franciscan thistle			1B.2	Coastal dunes. 33 to 98 ft in elevation. Blooms April-June.
<i>Cirsium hydrophilum</i> var. <i>vaseyi</i>	Mt. Tamalpais thistle			1B.2	Broadleaved upland forest, chaparral, meadows and seeps. Serpentine seeps and streams in chaparral and woodland. 591 to 2001 ft in elevation. Blooms May-August.
<i>Clarkia amoena</i> ssp. <i>whitneyi</i>	Whitney's farewell-to-spring			1B.1	Coastal bluff scrub, coastal scrub. 33 to 328 ft in elevation. Blooms June-August.
<i>Clarkia concinna</i> ssp. <i>raichei</i>	Raiche's red ribbons			1B.1	Coastal bluff scrub. Highly exposed rocky bluffs with a near-vertical slope. 0 to 328 ft in elevation. Blooms April-May.
<i>Collinsia corymbosa</i>	round-headed Chinese-houses			1B.2	Coastal dunes. 33 to 98 ft in elevation. Blooms April-June.
<i>Cornus canadensis</i>	bunchberry			2B.2	North coast coniferous forest, bogs and fens, meadows and seeps. 295 to 6299 ft in elevation. Blooms May-July.
<i>Cryptantha dissita</i>	serpentine cryptantha			1B.2	Chaparral. Serpentine outcrops. 443 to 2411 ft in elevation. Blooms April-June.
<i>Cuscuta pacifica</i> var. <i>papillata</i>	Mendocino dodder			1B.2	Coastal dunes. Interdune depressions. Annual parasitic vine observed on <i>Gnaphalium</i> , <i>Silene</i> and <i>Lupinus</i> . 0 to 164 ft in elevation. Blooms July-October.
<i>Dirca occidentalis</i>	western leatherwood			1B.2	Broadleaved upland forest, chaparral, closed-cone coniferous forest, cismontane woodland, north coast coniferous forest, riparian forest, riparian woodland. On brushy slopes, mesic sites; mostly in mixed evergreen and foothill woodland communities. 82 to 1394 ft in elevation. Blooms January-March (April).
<i>Discelium nudum</i>	naked flag moss			2B.2	Coastal bluff scrub. Moss that grows on moist silty clay to fine sandy banks in somewhat shaded sites. 33 to 164 ft in elevation.
<i>Downingia pusilla</i>	dwarf downingia			2B.2	Valley and foothill grassland (mesic sites), vernal pools. Vernal lake and pool margins with a variety of associates. In several types of vernal pools. 3 to 1608 ft in elevation. Blooms March-May.
<i>Downingia willamettensis</i>	Cascade downingia			2B.2	Around lake margins in cismontane woodland and valley and foothill grasslands, vernal pools. 49 to 3642 ft in elevation. Blooms June-July, sometimes through September.
<i>Empetrum nigrum</i>	black crowberry			2B.2	Coastal bluff scrub, coastal prairie. 10 to 49 ft in elevation. Blooms April-June.
<i>Entosthodon kochii</i>	Koch's cord moss			1B.3	Cismontane woodland. Moss growing on soil on river banks. 607 to 1198 ft in elevation.
<i>Epilobium oregonum</i>	Oregon fireweed			1B.2	Bogs and fens, lower montane coniferous forest, upper montane coniferous forest. In and near springs and bogs; at least sometimes on serpentine. 1640 to 7349 ft in elevation. Blooms June-September.
<i>Erigeron bloomeri</i> var. <i>nudatus</i>	Waldo daisy			2B.3	Lower montane coniferous forest, upper montane coniferous forest. In open areas on dry rocky outcrops on serpentine. 2395 to 5709 ft in elevation. Blooms June-July.
<i>Erigeron greenii</i>	Greene's narrow-leaved daisy			1B.2	Chaparral. Serpentine and volcanic substrates, generally in shrubby vegetation. 295 to 2740 ft in elevation. Blooms May-September.
<i>Erigeron maniopotamicus</i>	Mad River fleabane daisy			1B.2	Meadows and seeps (open and dry), lower montane coniferous forest. Open slopes, disturbed areas (road cuts); tan-colored, rocky soils. 4199 to 4938 ft in elevation. Blooms May-August.
<i>Erigeron serpentinus</i>	serpentine daisy			1B.3	Chaparral. Serpentine seeps. 394 to 1312 ft in elevation. Blooms May-August.
<i>Erigeron supplex</i>	supple daisy			1B.2	Coastal bluff scrub, coastal prairie. Usually in grassy sites. 16 to 607 ft in elevation. Blooms May-July.
<i>Eriogonum cedrorum</i>	The Cedars buckwheat			1B.3	Closed-cone coniferous forest. Serpentine. Barren rock and talus steep slopes. 1198 to 1804 ft in elevation. Blooms June-September.
<i>Eriogonum luteolum</i> var. <i>caninum</i>	Tiburon buckwheat			1B.2	Chaparral, valley and foothill grassland, cismontane woodland, coastal prairie. Serpentine soils; sandy to gravelly sites. 0 to 2297 ft in elevation. Blooms May-September.
<i>Eriogonum nervulosum</i>	Snow Mountain buckwheat			1B.2	Chaparral. Dry serpentine outcrops, balds, and barrens. 1460 to 6906 ft in elevation. Blooms June-September.
<i>Eriogonum nudum</i> var. <i>paralinum</i>	Del Norte buckwheat			2B.2	Coastal bluff scrub, coastal prairie. Open places along immediate coast. 16 to 262 ft in elevation. Blooms June-September.
<i>Eryngium jepsonii</i>	Jepson's coyote-thistle			1B.2	Vernal pools, valley and foothill grassland. Clay. 10 to 984 ft in elevation. Blooms April-August.
<i>Erysimum concinnum</i>	bluff wallflower			1B.2	Coastal dunes, coastal bluff scrub, coastal prairie. More or less a coastal generalist within coastal habitat types. 10 to 197 ft in elevation. Blooms February-July.
<i>Erythronium hendersonii</i>	Henderson's fawn lily			2B.3	Lower montane coniferous forest. 197 to 2953 ft in elevation. Blooms April-July.
<i>Erythronium oregonum</i>	giant fawn lily			2B.2	Cismontane woodland, meadows and seeps. Openings. Sometimes on serpentine; rocky sites. 984 to 4708 ft in elevation. Blooms March-June (July).
<i>Erythronium revolutum</i>	coast fawn lily			2B.2	Bogs and fens, broadleaved upland forest, north coast coniferous forest. Mesic sites; streambanks. 197 to 4610 ft in elevation. Blooms March-July (August).
<i>Fissidens pauperculus</i>	minute pocket moss			1B.2	Redwood. North coast coniferous forest. Moss growing on damp soil along the coast. In dry streambeds and on stream banks. 33 to 3360 ft in elevation. Blooms .
<i>Fritillaria lanceolata</i> var. <i>tristulis</i>	Marin checker lily			1B.1	Coastal bluff scrub, coastal scrub, coastal prairie. Occurrences reported from canyons and riparian areas as well as rock outcrops; often on serpentine. 49 to 492 ft in elevation. Blooms February-May.
<i>Fritillaria liliacea</i>	fragrant fritillary			1B.2	Coastal scrub, valley and foothill grassland, coastal prairie, cismontane woodland. Often on serpentine; various soils reported though usually on clay, in grassland. 10 to 1312 ft in elevation. Blooms February-April.
<i>Gilia capitata</i> ssp. <i>chamissonis</i>	blue coast gilia			1B.1	Coastal dunes, coastal scrub. 10 to 656 ft in elevation. Blooms April-July.
<i>Gilia capitata</i> ssp. <i>pacifica</i>	Pacific gilia			1B.2	Coastal bluff scrub, chaparral, coastal prairie, valley and foothill grassland. 16 to 4413 ft in elevation. Blooms April-August.

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<i>Gilia capitata</i> ssp. <i>tomentosa</i>	woolly-headed gilia			1B.1	Coastal bluff scrub, valley and foothill grassland. Rocky outcrops on the coast, serpentine. 66 to 410 ft in elevation. Blooms May-July.
<i>Gilia millefoliata</i>	dark-eyed gilia			1B.2	Coastal dunes. 3 to 197 ft in elevation. Blooms April-July.
<i>Glyceria grandis</i>	American manna grass			2B.3	Bogs and fens, meadows and seeps, marshes and swamps. Wet meadows, ditches, streams, and ponds, in valleys and lower elevations in the mountains. 197 to 6709 ft in elevation. Blooms June-August.
<i>Harmonia hallii</i>	Hall's harmonia			1B.2	Chaparral. Serpentine hills and ridges. Open, rocky areas within chaparral. 1099 to 3051 ft in elevation. Blooms April-June.
<i>Helianthella castanea</i>	Diablo helianthella			1B.2	Broadleaved upland forest, chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland. Usually in chaparral/oak woodland interface in rocky, azonal soils. Often in partial shade. 148 to 3510 ft in elevation. Blooms March-June.
<i>Hemizonia congesta</i> ssp. <i>congesta</i>	congested-headed hayfield tarplant			1B.2	Valley and foothill grassland. Grassy valleys and hills, often in fallow fields; sometimes along roadsides. 66 to 2133 ft in elevation. Blooms April-November.
<i>Hesperovax sparsiflora</i> var. <i>brevifolia</i>	short-leaved evax			1B.2	Coastal bluff scrub, coastal dunes, coastal prairie. Sandy bluffs and flats. 0 to 705 ft in elevation. Blooms March-June.
<i>Hesperocyparis pygmaea</i>	pygmy cypress			1B.2	Closed-cone coniferous forest. On podzol-like blacklock soil in pygmy cypress forest community. 98 to 1969 ft in elevation.
<i>Hesperolinon adenophyllum</i>	glandular western flax			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Serpentine soils; generally found in serpentine chaparral. 492 to 4314 ft in elevation. Blooms May-August.
<i>Hesperolinon bicarpellatum</i>	two-carpellate western flax			1B.2	Serpentine chaparral. Serpentine barrens at edge of chaparral. 197 to 3297 ft in elevation. Blooms May-July.
<i>Hesperolinon sharsmithiae</i>	Sharsmith's western flax			1B.2	Chaparral. Serpentine substrates. 886 to 984 ft in elevation. Blooms May-July.
<i>Heteranthera dubia</i>	water star-grass			2B.2	Marshes and swamps. Alkaline, still or slow-moving water. Requires a pH of 7 or higher, usually in slightly eutrophic waters. 49 to 4954 ft in elevation. Blooms July-October.
<i>Horkelia marinensis</i>	Point Reyes horkelia			1B.2	Coastal dunes, coastal prairie, coastal scrub. Sandy flats and dunes near coast; in grassland or scrub plant communities. 7 to 2543 ft in elevation. Blooms May-September.
<i>Horkelia tenuiloba</i>	thin-lobed horkelia			1B.2	Broadleaved upland forest, chaparral, valley and foothill grassland. Sandy soils; mesic openings. 164 to 1640 ft in elevation. Blooms May-July (August).
<i>Hypogymnia schizidiata</i>	island tube lichen			1B.3	Chaparral, closed-cone coniferous forest. On bark and wood of hardwoods and conifers. 1181 to 1329 ft in elevation.
<i>Iliamna latibracteata</i>	California globe mallow			1B.2	North Coast coniferous forest, chaparral, lower montane coniferous forest, riparian scrub (streambanks). Seepage areas in silty clay loam. 197 to 6562 ft in elevation. Blooms June-August.
<i>Juglans hindsii</i>	Northern California black walnut			1B.1	Riparian forest, riparian woodland. Few extant native stands remain; widely naturalized. Deep alluvial soil, associated with a creek or stream. 0 to 2100 ft in elevation. Blooms April-May.
<i>Juncus luciensis</i>	Santa Lucia dwarf rush			1B.2	Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub. Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 984 to 6693 ft in elevation. Blooms April-July.
<i>Juncus nevadensis</i> var. <i>inventus</i>	Sierra rush			2B.2	Bogs and fens. 0 to 33 ft in elevation. Blooms July-November.
<i>Juncus supiniformis</i>	hair-leaved rush			2B.2	Marshes and swamps, bogs and fens. 66 to 328 ft in elevation. Blooms April-May (June), (July).
<i>Kopsiopsis hookeri</i>	small groundcone			2B.3	North coast coniferous forest. Open woods, shrubby places, generally on Gaultheria shallon. 394 to 4708 ft in elevation. Blooms April-August.
<i>Lasthenia californica</i> ssp. <i>bakeri</i>	Baker's goldfields			1B.2	Closed-cone coniferous forest, coastal scrub, meadows and seeps, marshes and swamps. Openings. 197 to 1706 ft in elevation. Blooms April-October.
<i>Lasthenia californica</i> ssp. <i>macrantha</i>	perennial goldfields			1B.2	Coastal bluff scrub, coastal dunes, coastal scrub. 16 to 607 ft in elevation. Blooms January-November.
<i>Lathyrus biflorus</i>	two-flowered pea			1B.1	Ultramafic. Lower montane coniferous forest. Endemic to serpentine. 4495 to 4544 ft in elevation. Blooms June-August.
<i>Lathyrus japonicus</i>	seaside pea			2B.1	10 to 213 ft in elevation. Blooms May-August.
<i>Lathyrus palustris</i>	marsh pea			2B.2	Bogs and fens, lower montane coniferous forest, marshes and swamps, north coast coniferous forest, coastal prairie, coastal scrub. Moist coastal areas. 7 to 459 ft in elevation. Blooms March-August.
<i>Layia septentrionalis</i>	Colusa layia			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Scattered colonies in fields and grassy slopes in sandy or serpentine soil. 49 to 3609 ft in elevation. Blooms April-May.
<i>Legenere limosa</i>	legenere			1B.1	Vernal pools, In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
<i>Leptosiphon jepsonii</i>	Jepson's leptosiphon			1B.2	Chaparral, cismontane woodland. Open to partially shaded grassy slopes. On volcanics or the periphery of serpentine substrates. 180 to 2805 ft in elevation. Blooms March-May.
<i>Leptosiphon rosaceus</i>	rose leptosiphon			1B.1	Coastal bluff scrub. 33 to 459 ft in elevation. Blooms April-July.
<i>Lessingia arachnoidea</i>	Crystal Springs lessingia			1B.2	Coastal sage scrub, valley and foothill grassland, cismontane woodland. Grassy slopes on serpentine; sometimes on roadsides. 295 to 656 ft in elevation. Blooms July-October.
<i>Lessingia micradenia</i> var. <i>micradenia</i>	Tamalpais lessingia			1B.2	Chaparral, valley and foothill grassland. Usually on serpentine, in serpentine grassland or serpentine chaparral. Often on roadsides. 197 to 1001 ft in elevation. Blooms (June), July-October.
<i>Lilium maritimum</i>	coast lily			1B.1	Closed-cone coniferous forest, coastal prairie, coastal scrub, broadleaved upland forest, north coast coniferous forest, marshes and swamps. Historically in sandy soil, often on raised hummocks or bogs; today mostly in roadside ditches. 13 to 1558 ft in elevation. Blooms May-August.

Table 9a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Lupinus sericatus</i>	Cobb Mountain lupine			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest, broadleaved upland forest. In stands of knobcone pine-oak woodland, on open wooded slopes in gravelly soils; sometimes on serpentine. 902 to 5003 ft in elevation. Blooms March-June.
<i>Lycopodiella inundata</i>	inundated bog-clubmoss			2B.2	Bogs and fens, lower montane coniferous forest, marshes and swamps. Peat bogs, muddy depressions, pond margins. 148 to 4019 ft in elevation. Blooms June-September.
<i>Lysimachia europaea</i>	arctic starflower			2B.2	Meadows and seeps, bogs and fens. Coastal boggy areas. 0 to 49 ft in elevation. Blooms June-July.
<i>Microseris borealis</i>	northern microseris			2B.1	Bogs and fens, meadows and seeps, lower montane coniferous forest. 148 to 3510 ft in elevation. Blooms June-September.
<i>Microseris paludosa</i>	marsh microseris			1B.2	Closed-cone coniferous forest, cismontane woodland, coastal scrub, valley and foothill grassland. 16 to 984 ft in elevation. Blooms April-June (July).
<i>Moneses uniflora</i>	woodnymph			2B.2	Broadleaved upland forest, North coast coniferous forest. 328 to 3609 ft in elevation. Blooms May-August.
<i>Monotropa uniflora</i>	ghost-pipe			2B.2	Broadleaved upland forest, north coast coniferous forest. Often under redwoods or western hemlock. 49 to 2805 ft in elevation. Blooms June-August (September).
<i>Montia howellii</i>	Howell's montia			2B.2	Meadows and seeps, north coast coniferous forest, vernal pools. Vernal wet sites; often on compacted soil. 33 to 3297 ft in elevation. Blooms (February), March-May.
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia			1B.1	Cismontane woodland, meadows and seeps, vernal pools, valley and foothill grassland, lower montane coniferous forest. Vernal pools and swales; adobe or alkaline soils. 16 to 5709 ft in elevation. Blooms April-July.
<i>Navarretia rosulata</i>	Marin County navarretia			1B.2	Closed-cone coniferous forest, chaparral. Dry, open rocky places; can occur on serpentine. 656 to 2083 ft in elevation. Blooms May-July.
<i>Oenothera wolfii</i>	Wolf's evening-primrose			1B.1	Coastal bluff scrub, coastal dunes, coastal prairie, lower montane coniferous forest. Sandy substrates; usually mesic sites. 0 to 410 ft in elevation. Blooms May-October.
<i>Packera bolanderi</i> var. <i>bolanderi</i>	seacoast ragwort			2B.2	Coastal scrub, north coast coniferous forest. Sometimes along roadsides. 98 to 3002 ft in elevation. Blooms (January),(February),(April), May-July (August).
<i>Penstemon newberryi</i> var. <i>sonomensis</i>	Sonoma beardtongue			1B.3	Chaparral. Crevices in rock outcrops and talus slopes. 591 to 4610 ft in elevation. Blooms April-August.
<i>Phacelia argentea</i>	sand dune phacelia			1B.1	Coastal dunes. Stabilized and recently moving sand dunes. 10 to 82 ft in elevation. Blooms June-August.
<i>Phacelia insularis</i> var. <i>continentis</i>	North Coast phacelia			1B.2	Coastal bluff scrub, coastal dunes. Open maritime bluffs, sandy soil, sometimes rocky habitats. 0 to 509 ft in elevation. Blooms March-May.
<i>Pinguicula macroceras</i>	horned butterwort			2B.2	Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June.
<i>Pinus contorta</i> ssp. <i>bolanderi</i>	Bolander's beach pine			1B.2	Closed-cone coniferous forest. Podzol-like soils with Mendocino cypress and bishop pine; within pygmy cypress forest. 246 to 820 ft in elevation.
<i>Piperia candida</i>	white-flowered rein orchid			1B.2	North coast coniferous forest, lower montane coniferous forest, broadleaved upland forest. Sometimes on serpentine. Forest duff, mossy banks, rock outcrops, and muskeg. 148 to 5299 ft in elevation. Blooms (March), May-September.
<i>Plagiobothrys glaber</i>	hairless popcornflower			1A	Meadows and seeps, marshes and swamps. Coastal salt marshes and alkaline meadows. 16 to 591 ft in elevation. Blooms March-May.
<i>Plagiobothrys mollis</i> var. <i>vestitus</i>	Petaluma popcornflower			1A	Valley and foothill grassland, marshes and swamps. Wet sites in grassland, possibly coastal marsh margins. 33 to 164 ft in elevation. Blooms June-July.
<i>Polemonium carneum</i>	Oregon polemonium			2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. 0 to 6004 ft in elevation. Blooms April-September.
<i>Potamogeton epihydrus</i>	Nuttall's ribbon-leaved pondweed			2B.2	Marshes and swamps. Shallow water, ponds, lakes, streams, irrigation ditches. 968 to 8661 ft in elevation. Blooms (June), July-September.
<i>Potamogeton foliosus</i> ssp. <i>fibrillosus</i>	fibrous pondweed			2B.3	Marshes and swamps. Shallow water, small streams. 16 to 4265 ft in elevation.
<i>Potentilla uliginosa</i>	Cunningham Marsh cinquefoil			1A	Freshwater marshes and swamps. Found in permanent, oligotrophic wetlands. 98 to 131 ft in elevation. Blooms May-August.
<i>Puccinellia pumila</i>	dwarf alkali grass			2B.2	Marshes and swamps. Mineral spring meadows and coastal salt marshes. 3 to 33 ft in elevation. Blooms July.
<i>Puccinellia simplex</i>	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernal mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
<i>Pyrrocoma racemosa</i> var. <i>congesta</i>	Del Norte pyrrocoma			2B.3	Ultramafic, Chaparral, lower montane coniferous forest. Serpentine soils, from dry roadsides to damp hills; often in forest openings. Apparently equally likely to occur in wetlands or non-wetlands. 656 to 3281 ft in elevation. Blooms August-September.
<i>Quercus parvula</i> var. <i>tamalpaisensis</i>	Tamalpais oak			1B.3	Lower montane coniferous forest. 328 to 2461 ft in elevation. Blooms March-April.
<i>Ramalina thrausta</i>	angel's hair lichen			2B.1	North coast coniferous forest. On dead twigs and other lichens. 246 to 1411 ft in elevation.
<i>Rhynchospora alba</i>	white beaked-rush			2B.2	Bogs and fens, meadows and seeps, marshes and swamps. Freshwater marshes and sphagnum bogs. 197 to 6693 ft in elevation. Blooms June-August.
<i>Rhynchospora californica</i>	California beaked-rush			1B.1	Bogs and fens, marshes and swamps, lower montane coniferous forest, meadows and seeps. Freshwater seeps and open marshy areas. 148 to 3314 ft in elevation. Blooms May-July.
<i>Rhynchospora capitellata</i>	brownish beaked-rush			2B.2	Lower montane coniferous forest, meadows and seeps, marshes and swamps, upper montane coniferous forest. Mesic sites. 148 to 5610 ft in elevation. Blooms July-August.
<i>Rhynchospora globularis</i>	round-headed beaked-rush			2B.1	Marshes and swamps. Freshwater marsh. 148 to 197 ft in elevation. Blooms July-August.
<i>Romanzoffia tracyi</i>	Tracy's romanzoffia			2B.3	Coastal bluff scrub, coastal scrub. Rocky sites. 49 to 984 ft in elevation. Blooms March-May.

Table 9a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Sabulina howellii</i>	Howell's sandwort			1B.3	Lower montane coniferous forest, chaparral. Dry open places, often on serpentine hillsides and ridges, near Jeffrey pines. 1804 to 3281 ft in elevation. Blooms April-July.
<i>Sagittaria sanfordii</i>	Sanford's arrowhead			1B.2	Marshes and swamps. In standing or slow-moving freshwater ponds, marshes, and ditches. 0 to 2133 ft in elevation. Blooms May-October (November).
<i>Sanguisorba officinalis</i>	great burnet			2B.2	Bogs and fens, meadows and seeps, broadleaved upland forest, marshes and swamps, north coast coniferous forest, riparian forest. Rocky serpentine seepage areas and along stream. 16 to 4593 ft in elevation. Blooms July-October.
<i>Sedum citrinum</i>	Blue Creek stonecrop			1B.2	Talus slope, Ultramafic. North coast coniferous forest. Serpentine, rocky, talus, scree, or boulder crevices, sometimes roadsides. 3445 to 4052 ft in elevation. Blooms June.
<i>Sidalcea calycosa</i> ssp. <i>rhizomata</i>	Point Reyes checkerbloom			1B.2	Marshes and swamps. Freshwater marshes near the coast. 16 to 312 ft in elevation. Blooms April-September.
<i>Sidalcea hickmanii</i> ssp. <i>napensis</i>	Napa checkerbloom			1B.1	Chaparral. Rhyolitic substrates. 1362 to 2001 ft in elevation. Blooms April-June.
<i>Sidalcea hickmanii</i> ssp. <i>viridis</i>	Marin checkerbloom			1B.1	Chaparral. Serpentine or volcanic soils; sometimes appears after burns. 164 to 1411 ft in elevation. Blooms May-June.
<i>Sidalcea malviflora</i> ssp. <i>patula</i>	Siskiyou checkerbloom			1B.2	Coastal bluff scrub, coastal prairie, north coast coniferous forest. Open coastal forest; roadcuts. 16 to 4117 ft in elevation. Blooms May-August.
<i>Sidalcea malviflora</i> ssp. <i>purpurea</i>	purple-stemmed checkerbloom			1B.2	Broadleaved upland forest, coastal prairie. 49 to 279 ft in elevation. Blooms May-June.
<i>Sidalcea oregana</i> ssp. <i>eximia</i>	coast checkerbloom			1B.2	Meadows and seeps, north coast coniferous forest, lower montane coniferous forest. Near meadows, in gravelly soil. 16 to 5922 ft in elevation. Blooms June-August.
<i>Sidalcea oregana</i> ssp. <i>hydrophila</i>	marsh checkerbloom			1B.2	Meadows and seeps, riparian forest. Wet soil of streambanks, meadows. 3609 to 7546 ft in elevation. Blooms (June), July-August.
<i>Silene scouleri</i> ssp. <i>scouleri</i>	Scouler's catchfly			2B.2	Coastal bluff scrub, coastal prairie, valley and foothill grassland. 0 to 1968 ft in elevation. Blooms (March-May)June-August(September).
<i>Silene serpentinicola</i>	serpentine catchfly			1B.2	Chaparral, lower montane coniferous forest. Serpentine openings, gravelly or rocky soils. 394 to 2510 ft in elevation. Blooms May-July.
<i>Sisyrinchium hitchcockii</i>	Hitchcock's blue-eyed grass			1B.1	Cismontane woodland, valley and foothill grassland. Openings in woodland or in grassland. 1001 to 1001 ft in elevation. Blooms June.
<i>Spergularia canadensis</i> var. <i>occidentalis</i>	western sand-spurrey			2B.1	Marshes and swamps (coastal salt marshes). 0 to 10 ft in elevation. Blooms June-August.
<i>Stebbinsoseris decipiens</i>	Santa Cruz microseris			1B.2	Broadleaved upland forest, closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland. Open areas in loose or disturbed soil, usually derived from sandstone, shale or serpentine, on seaward slopes. 33 to 1640 ft in elevation. Blooms April-May.
<i>Streptanthus batrachopus</i>	Tamalpais jewelflower			1B.3	Closed-cone coniferous forest, chaparral. Talus serpentine outcrops. 1099 to 2198 ft in elevation. Blooms April-July.
<i>Streptanthus brachiatus</i> ssp. <i>brachiatus</i>	Socrates Mine jewelflower			1B.2	Chaparral, closed-cone coniferous forest. Serpentine areas and serpentine chaparral. 1985 to 6398 ft in elevation. Blooms May-June.
<i>Streptanthus glandulosus</i> ssp. <i>hoffmanii</i>	Hoffman's bristly jewelflower			1B.3	Chaparral, cismontane woodland, valley and foothill grassland. Moist, steep rocky banks, in serpentine and non-serpentine soil. 197 to 2510 ft in elevation. Blooms March-July.
<i>Streptanthus glandulosus</i> ssp. <i>pulchellus</i>	Mt. Tamalpais bristly jewelflower			1B.2	Chaparral, valley and foothill grassland. Serpentine slopes. 492 to 2625 ft in elevation. Blooms May-July (August).
<i>Streptanthus hesperidis</i>	green jewelflower			1B.2	Chaparral, cismontane woodland. Openings in chaparral or woodland; serpentine, rocky sites. 787 to 2510 ft in elevation. Blooms May-July.
<i>Streptanthus howellii</i>	Howell's jewelflower			1B.2	Lower montane coniferous forest. Dry serpentine slopes, in open pine woods or in brushy areas; on rocky soil. 1001 to 4921 ft in elevation. Blooms July-August.
<i>Streptanthus morrisonii</i> ssp. <i>elatus</i>	Three Peaks jewelflower			1B.2	Chaparral. Serpentine barrens, outcrops, and talus. 262 to 2674 ft in elevation. Blooms June-September.
<i>Streptanthus morrisonii</i> ssp. <i>morrisonii</i>	Morrison's jewelflower			1B.2	Chaparral. Serpentine outcrops in the Austin Creek area. 0 to 0 ft in elevation. Blooms May-September.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	slender-leaved pondweed			2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.
<i>Thamnotia vermicularis</i>	whiteworm lichen			2B.1	Chaparral, valley and foothill grassland. On rocks derived from Wilson Ranch formation sandstone. 0 to 0 ft in elevation. Blooms .
<i>Thermopsis robusta</i>	robust false lupine			1B.2	North coast coniferous forest, broadleaved upland forest. Ridgetops; sometimes on serpentine. 1198 to 4610 ft in elevation. Blooms May-July.
<i>Tracyina rostrata</i>	beaked tracyina			1B.2	Cismontane woodland, valley and foothill grassland. Open grassy meadows within oak woodland and grassland habitats. 295 to 2592 ft in elevation. Blooms May-June.
<i>Trichodon cylindricus</i>	cylindrical trichodon			2B.2	Broadleaved upland forest, upper montane coniferous forest. Moss growing in openings on sandy or clay soils on roadsides, stream banks, trails or in fields. 164 to 4921 ft in elevation. Blooms .
<i>Trichostema ruygtii</i>	Napa bluecurls			1B.2	Cismontane woodland, chaparral, valley and foothill grassland, vernal pools, lower montane coniferous forest. Often in open, sunny areas. Also has been found in vernal pools. 98 to 2231 ft in elevation. Blooms June-October.
<i>Trifolium buckwestiorum</i>	Santa Cruz clover			1B.1	Coastal prairie, broadleaved upland forest, cismontane woodland. Moist grassland. Gravelly margins. 344 to 2001 ft in elevation. Blooms April-October.
<i>Trifolium hydrophilum</i>	saline clover			1B.2	Marshes and swamps, valley and foothill grassland, vernal pools. Mesic, alkaline sites. 0 to 984 ft in elevation. Blooms April-June.
<i>Triphysaria floribunda</i>	San Francisco owl's-clover			1B.2	Coastal prairie, coastal scrub, valley and foothill grassland. On serpentine and non-serpentine substrate (such as at Pt. Reyes). 3 to 492 ft in elevation. Blooms April-June.
<i>Triquetrella californica</i>	coastal triquetrella			1B.2	Coastal bluff scrub, coastal scrub. Grows within 30m from the coast in coastal scrub, grasslands and in open gravels on roadsides, hillsides, rocky slopes, and fields. On gravel or thin soil over outcrops. 33 to 328 ft in elevation. Blooms .
<i>Viburnum ellipticum</i>	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.

Table 9a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Viola langsdorffii</i>	Langsdorf's violet			2B.1	Bogs and fens. Coastal wet areas. 7 to 33 ft in elevation. Blooms May-July.
<i>Viola palustris</i>	alpine marsh violet			2B.2	Coastal scrub, bogs and fens. Swampy, shrubby places in coastal scrub or coastal bogs. 0 to 492 ft in elevation. Blooms March-August.
<i>Viola primulifolia</i> ssp. <i>occidentalis</i>	western white bog violet			1B.2	Bogs and fens, marshes and swamps. Streamside flats and bogs; serpentine soils. 394 to 2805 ft in elevation. Blooms April-September.

Listing Status
 E = Endangered
 T = Threatened
 R = Rare

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere
 4 = Plants of limited distribution – a watch list

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 – Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 9b Special-Status Wildlife Species Known or with Potential to Occur in the Northern California Coast Ecological Section (263A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																			Total Acreage of Associated CWHR Types within the Treatable Landscape ¹					
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Desert Scrub	Douglas Fir	Eucalyptus	Jeffrey Pine	Klamath Mixed Conifer	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine		Redwood	Valley Foothill Riparian	Valley Oak Woodland	White Fir	
CDFW Species of Special Concern																												
<i>Accipiter gentilis</i>	northern goshawk		SC	X	X		X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	816,643
<i>Ammodramus savannarum</i>	grasshopper sparrow		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,339,930
<i>Asio flammeus</i>	short-eared owl		SC	X				X	X	X		X	X		X		X	X	X	X		X	X				71,271	
<i>Asio otus</i>	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,137,087
<i>Athene cucularia</i>	burrowing owl		SC	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	537,288
<i>Aythya Americana</i>	redhead ²		SC	X	X				X								X		X				X	X			7	
<i>Branta bernicla</i>	brant ²		SC	X				X		X		X								X			X				<1	
<i>Chaetura vauxi</i>	Vaux's swift		SC	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,962,118
<i>Charadrius montanus</i>	mountain plover		SC	X				X	X	X		X					X	X	X		X	X	X	X	X		3,289	
<i>Circus hudsonius</i>	northern harrier		SC	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,217,552
<i>Contopus cooperi</i>	olive-sided flycatcher		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,392,554
<i>Coturnicops noveboracensis</i>	yellow rail ²		SC	X					X	X		X					X	X	X	X		X					-	
<i>Fratercula cirrhata</i>	tufted puffin ²		SC	X			X	X		X									X	X		X					<1	
<i>Geothlypis trichas sinuosa</i>	San Francisco common yellowthroat ²		SC	X	X		X	X	X	X		X	X		X		X	X	X	X		X	X	X			34,358	
<i>Icteria virens</i>	yellow-breasted chat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,150,681
<i>Ixobrychus exilis</i>	least bittern ²		SC	X					X	X		X			X		X		X	X			X				505,703	
<i>Lanius ludovicianus</i>	loggerhead shrike		SC	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X		505,703
<i>Melospiza melodia samuelis</i>	San Pablo song sparrow		SC	X					X												X		X				40	
<i>Oceanodroma furcata</i>	fork-tailed storm-petrel ²		SC	X						X								X	X	X		X					<1	
<i>Oceanodroma homochroa</i>	ashy storm-petrel ²		SC	X			X	X		X		X								X		X	X				<1	
<i>Passerculus sandwichensis alaudinus</i>	Bryant's savannah sparrow		SC	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,794,501
<i>Pelecanus erythrorhynchos</i>	American white pelican ²		SC	X	X				X								X		X				X	X			<1	
<i>Poocetes gramineus affinis</i>	Oregon vesper sparrow		SC	X				X		X		X				X	X	X	X	X		X					17,264	
<i>Progne subis</i>	purple martin		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,331,106
<i>Ptychoramphus aleuticus</i>	Cassin's auklet ²		SC	X			X	X		X		X						X	X	X		X	X				<1	
<i>Setophaga petechia</i>	yellow warbler		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,256,533
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird ²		SC	X	X				X								X		X				X	X			50	
Invertebrates																												
Federal and State Listed/CDFW Fully Protected																												
<i>Bombus crotchii</i>	Crotch bumble bee ²		C	X	X	X		X	X	X		X			X			X	X	X	X	X	X	X	X	X	X	219,445
<i>Bombus occidentalis occidentalis</i>	western bumble bee ²		C	X	X	X		X	X			X		X			X	X	X	X	X	X	X	X	X	X	X	2,275,963
<i>Branchinecta conservatio</i>	conservancy fairy shrimp ²		E	X	X	X	X	X	X			X	X		X		X		X	X	X	X		X				30,032
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp ²		T	X	X				X						X		X		X					X	X			2,586

Table 9b Special-Status Wildlife Species Known or with Potential to Occur in the Northern California Coast Ecological Section (263A)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																		Total Acreage of Associated CWHR Types within the Treatable Landscape ¹						
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Desert Scrub	Douglas Fir	Eucalyptus	Jeffrey Pine	Klamath Mixed Conifer	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland		Ponderosa Pine	Redwood	Valley Foothill Riparian	Valley Oak Woodland	White Fir	
Reptiles																												
CDFW Species of Special Concern																												
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,395,194
Listing Status E = Endangered T = Threatened C = Candidate for listing FP = Fully Protected SC = CDFW Species of Special Concern																												
¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.																												
² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.																												
Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019																												

Table 10a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ranges Ecological Section (M261B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Arabis mcdonaldiana</i>	McDonald's rockcress	E	E	1B.1	Lower montane coniferous forest, ultramafic, upper montane coniferous forest. Rocky outcrops, ridges, slopes, and flats on serpentine. 443 to 5906 ft in elevation. Blooms May-July.
<i>Astragalus claranus</i>	Clara Hunt's milk-vetch	E	T	1B.1	Cismontane woodland, valley and foothill grassland, chaparral. Open grassy hillsides, especially on exposed shoulders in thin, volcanic clay soil moist in spring. 246 to 902 ft in elevation. Blooms March-May.
<i>Blennosperma bakeri</i>	Sonoma sunshine	E	E	1B.1	Vernal pools, valley and foothill grassland. Vernal pools and swales. 33 to 361 ft in elevation. Blooms March-May.
<i>Brodiaea rosea</i>	Indian Valley brodiaea		E	1B.1	Closed-cone coniferous forest, chaparral, cismontane woodland, valley and foothill grassland, meadows. Serpentine gravelly creek bottoms, and in meadows and swales. 1099 to 4757 ft in elevation. Blooms May-June.
<i>Eriastrum tracyi</i>	Tracy's eriastrum		R	3.2	Chaparral, cismontane woodland, valley and foothill grassland. Gravelly shale or clay; often in open areas. 1033 to 5299 ft in elevation. Blooms May-July.
<i>Eriogonum kelloggii</i>	Kellogg's buckwheat		E	1B.2	Lower montane coniferous forest. Rocky, serpentine sites. 2986 to 3904 ft in elevation. Blooms (May), June-August.
<i>Eryngium constancei</i>	Loch Lomond button-celery	E	E	1B.1	Vernal pools, wetland. Volcanic ash flow vernal pools. 1509 to 2805 ft in elevation. Blooms April-June.
<i>Fritillaria roderickii</i>	Roderick's fritillary		E	1B.1	Coastal bluff scrub, coastal prairie, valley and foothill grassland. Grassy slopes, mesas. 49 to 2001 ft in elevation. Blooms March-May.
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop		E	1B.2	Marshes and swamps (freshwater), vernal pools. Clay soils; usually in vernal pools, sometimes on lake margins. 33 to 7792 ft in elevation. Blooms April-August.
<i>Hesperolinon didymocarpum</i>	Lake County western flax		E	1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Serpentine soil in open grassland and near chaparral. 1066 to 1312 ft in elevation. Blooms May-July.
<i>Howellia aquatilis</i>	water howellia	T		2B.2	Freshwater marshes and swamps. In clear ponds with other aquatics and surrounded by ponderosa pine forest and sometimes riparian associates. 3593 to 4528 ft in elevation. Blooms June.
<i>Lasthenia burkei</i>	Burke's goldfields	E	E	1B.1	Vernal pools, meadows and seeps, wetland. Most often in vernal pools and swales. 49 to 1969 ft in elevation. Blooms April-June.
<i>Limnanthes bakeri</i>	Baker's meadowfoam		R	1B.1	Marshes and swamps, valley and foothill grassland, meadows and seeps, vernal pools. Seasonally moist or saturated sites within grassland; also in swales, roadside ditches and margins of freshwater marshy areas. 574 to 3002 ft in elevation. Blooms April-May.
<i>Limnanthes vinculans</i>	Sebastopol meadowfoam	E	E	1B.1	Meadows and seeps, vernal pools, valley and foothill grassland. Swales, wet meadows and marshy areas in valley oak savanna; on poorly drained soils of clays and sandy loam. 49 to 377 ft in elevation. Blooms April-May.
<i>Lupinus milo-bakeri</i>	Milo Baker's lupine		T	1B.1	Cismontane woodland, valley and foothill grassland. In roadside ditches, dry gravelly areas along roads, and along small streams. 1247 to 1411 ft in elevation. Blooms June-September.
<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>	few-flowered navarretia	E	T	1B.1	Vernal pools, wetland. Volcanic ash flow, and volcanic substrate vernal pools. 1394 to 2805 ft in elevation. Blooms May-June.
<i>Navarretia leucocephala</i> ssp. <i>pliantha</i>	many-flowered navarretia	E	E	1B.2	Vernal pools, wetland. Volcanic ash flow vernal pools. 98 to 3002 ft in elevation. Blooms May-June.
<i>Orcuttia tenuis</i>	slender Orcutt grass	T	E	1B.1	Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
<i>Panicum acuminatum</i> var. <i>thermale</i>	Geysers panicum		E	1B.2	Closed-cone coniferous forest, riparian forest, valley and foothill grassland. Usually around moist, warm soil in the vicinity of hot springs. 1493 to 8104 ft in elevation. Blooms June-August.
<i>Pleuropogon hooverianus</i>	North Coast semaphore grass		T	1B.1	Broadleafed upland forest, meadows and seeps, north coast coniferous forest. Wet grassy, usually shady areas, sometimes freshwater marsh; associated with forest environments. 148 to 3806 ft in elevation. Blooms April-June.
<i>Sedella leiocarpa</i>	Lake County stonecrop	E	E	1B.1	Valley and foothill grassland, vernal pools, cismontane woodland. Level areas that are seasonally wet and dry out in late spring; substrate usually of volcanic origin. 1690 to 2100 ft in elevation. Blooms April-May.
<i>Sidalcea keckii</i>	Keck's checkerbloom	E		1B.1	Cismontane woodland, valley and foothill grassland. Grassy slopes in blue oak woodland. On serpentine-derived, clay soils, at least sometimes. 279 to 1657 ft in elevation. Blooms April-May (June).
<i>Sidalcea oregana</i> ssp. <i>valida</i>	Kenwood Marsh checkerbloom	E	E	1B.1	Marshes and swamps. Edges of freshwater marshes. 377 to 410 ft in elevation. Blooms June-September.
<i>Silene campanulata</i> ssp. <i>campanulata</i>	Red Mountain catchfly		E	4.2	Lower montane coniferous forest, chaparral. Rocky dry shallow serpentine soil. 1394 to 4052 ft in elevation. Blooms April-July.
California Rare Plant Ranked					
<i>Alisma gramineum</i>	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
<i>Allium peninsulare</i> var. <i>franciscanum</i>	Franciscan onion			1B.2	Cismontane woodland, valley and foothill grassland. Clay soils; often on serpentine; sometimes on volcanics. Dry hillsides. 16 to 1148 ft in elevation. Blooms (April), May-June.
<i>Amorpha californica</i> var. <i>napensis</i>	Napa false indigo			1B.2	Broadleafed upland forest, chaparral, cismontane woodland. Openings in forest or woodland or in chaparral. 98 to 2411 ft in elevation. Blooms April-July.
<i>Amsinckia lunaris</i>	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
<i>Anisocarpus scabridus</i>	scabrid alpine tarplant			1B.3	Upper montane coniferous forest. Open stony ridges, metamorphic scree slopes of mountain peaks, and cliffs in or near red fir forest. 5413 to 7546 ft in elevation. Blooms July-August (September).
<i>Arctostaphylos manzanita</i> ssp. <i>elegans</i>	Konocti manzanita			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Volcanic soils. 738 to 6004 ft in elevation. Blooms January-May (July).
<i>Arctostaphylos stanfordiana</i> ssp. <i>raichei</i>	Raiche's manzanita			1B.1	Chaparral, lower montane coniferous forest. Rocky, serpentine sites. Slopes and ridges. 1591 to 3510 ft in elevation. Blooms February-April.
<i>Astragalus rattanii</i> var. <i>jepsonianus</i>	Jepson's milk-vetch			1B.2	Cismontane woodland, valley and foothill grassland, chaparral. Commonly on serpentine in grassland or openings in chaparral. 574 to 3297 ft in elevation. Blooms March-June.
<i>Astragalus umbraticus</i>	Bald Mountain milk-vetch			2B.3	Cismontane woodland, lower montane coniferous forest. Dry open oak and pine woodlands; sometimes on roadsides. 689 to 4003 ft in elevation. Blooms May-August.

Table 10a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ranges Ecological Section (M261B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
<i>Brasenia schreberi</i>	watershield			2B.3	Freshwater marshes and swamps. Aquatic from water bodies both natural and artificial in California. 98 to 7218 ft in elevation. Blooms June-September.
<i>Brodiaea leptandra</i>	narrow-anthered brodiaea			1B.2	Broadleaved upland forest, chaparral, cismontane woodland, lower montane coniferous forest, valley and foothill grassland. Volcanic substrates. 98 to 1936 ft in elevation. Blooms May-July.
<i>Calycadenia micrantha</i>	small-flowered calycadenia			1B.2	Chaparral, valley and foothill grassland, meadows and seeps. Rocky talus or scree; sparsely vegetated areas. occasionally on roadsides; sometimes on serpentine. 1427 to 4610 ft in elevation. Blooms June-September.
<i>Calystegia collina</i> ssp. <i>tridactylosa</i>	three-fingered morning-glory			1B.2	Chaparral, cismontane woodland. Rocky, gravelly openings in serpentine. 1985 to 2313 ft in elevation. Blooms April-June.
<i>Carex arcta</i>	northern clustered sedge			2B.2	Bogs and fens, north coast coniferous forest. Mesic sites. 197 to 4610 ft in elevation. Blooms June-September.
<i>Carex comosa</i>	bristly sedge			2B.1	Marshes and swamps, coastal prairie, valley and foothill grassland. Lake margins, wet places; site below sea level is on a Delta island. -16 to 5315 ft in elevation. Blooms May-September.
<i>Carex hystericina</i>	porcupine sedge			2B.1	Marshes and swamps. Wet places, such as stream edges. 1985 to 3150 ft in elevation. Blooms May-June.
<i>Carex klamathensis</i>	Klamath sedge			1B.2	Meadows and seeps, chaparral, cismontane woodland. Serpentine, fens and seeps. 2986 to 3428 ft in elevation. Blooms .
<i>Carex praticola</i>	northern meadow sedge			2B.2	Meadows and seeps. Moist to wet meadows. 49 to 10499 ft in elevation. Blooms May-July.
<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs			1B.2	Chaparral, cismontane woodland, meadows and seeps, valley and foothill grassland. Openings in chaparral or grasslands. On serpentine. 66 to 3002 ft in elevation. Blooms April-June.
<i>Ceanothus confusus</i>	Rincon Ridge ceanothus			1B.1	Closed-cone coniferous forest, chaparral, cismontane woodland. Known from volcanic or serpentine soils, dry shrubby slopes. 246 to 3494 ft in elevation. Blooms February-June.
<i>Ceanothus divergens</i>	Calistoga ceanothus			1B.2	Chaparral. Rocky, serpentine or volcanic sites. 558 to 3117 ft in elevation. Blooms February-April.
<i>Ceanothus foliosus</i> var. <i>vineatus</i>	Vine Hill ceanothus			1B.1	Chaparral. Sandy, acidic soil in chaparral. 148 to 1001 ft in elevation. Blooms March-May.
<i>Ceanothus purpureus</i>	holly-leaved ceanothus			1B.2	Chaparral, cismontane woodland. Rocky, volcanic slopes. 476 to 2559 ft in elevation. Blooms February-June.
<i>Ceanothus sonomensis</i>	Sonoma ceanothus			1B.2	Chaparral. Sandy, serpentine or volcanic soils. 459 to 2608 ft in elevation. Blooms February-April.
<i>Centromadia parryi</i> ssp. <i>parryi</i>	pappose tarplant			1B.2	Chaparral, coastal prairie, meadows and seeps, coastal salt marsh, valley and foothill grassland. Vernally mesic, often alkaline sites. 7 to 1378 ft in elevation. Blooms May-November.
<i>Chlorogalum pomeridianum</i> var. <i>minus</i>	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
<i>Cryptantha dissita</i>	serpentine cryptantha			1B.2	Chaparral. Serpentine outcrops. 443 to 2411 ft in elevation. Blooms April-June.
<i>Cryptantha excavata</i>	deep-scarred cryptantha			1B.1	Cismontane woodland. Sandy, gravelly, dry streambanks. 328 to 1640 ft in elevation. Blooms April-May.
<i>Cuscuta jepsonii</i>	Jepson's dodder			1B.2	North coast coniferous forest. Streamsides. 397 to 9006 ft in elevation. Blooms July-September.
<i>Downingia willamettensis</i>	Cascade downingia			2B.2	Lake margins in cismontane woodland and valley and foothill grasslands, vernal pools. 49 to 3,642 feet. Blooms June-July, sometimes up to September.
<i>Entosthodon kochii</i>	Koch's cord moss			1B.3	Cismontane woodland. Moss growing on soil on river banks. 607 to 1198 ft in elevation.
<i>Epilobium nivium</i>	Snow Mountain willowherb			1B.2	Upper montane coniferous forest, chaparral. Crevices of volcanic and metavolcanic rock outcrops and associated talus. 4593 to 7218 ft in elevation. Blooms June-October.
<i>Epilobium oregonum</i>	Oregon fireweed			1B.2	Bogs and fens, lower montane coniferous forest, upper montane coniferous forest. In and near springs and bogs; at least sometimes on serpentine. 1640 to 7349 ft in elevation. Blooms June-September.
<i>Eriastrum brandegeae</i>	Brandegee's eriastrum			1B.1	Chaparral, cismontane woodland. On barren volcanic soils; often in open areas. 1345 to 2772 ft in elevation. Blooms April-August.
<i>Erigeron greenei</i>	Greene's narrow-leaved daisy			1B.2	Chaparral. Serpentine and volcanic substrates, generally in shrubby vegetation. 295 to 2740 ft in elevation. Blooms May-September.
<i>Erigeron maniopotamicus</i>	Mad River fleabane daisy			1B.2	Meadows and seeps (open and dry), lower montane coniferous forest. Open slopes, disturbed areas (road cuts); tan-colored, rocky soils. 4199 to 4938 ft in elevation. Blooms May-August.
<i>Eriogonum nervulosum</i>	Snow Mountain buckwheat			1B.2	Chaparral. Dry serpentine outcrops, balds, and barrens. 1460 to 6906 ft in elevation. Blooms June-September.
<i>Eryngium jepsonii</i>	Jepson's coyote-thistle			1B.2	Vernal pools, valley and foothill grassland. Clay. 10 to 984 ft in elevation. Blooms April-August.
<i>Erythranthe trinitensis</i>	pink-margined monkeyflower			1B.3	Lower montane coniferous forest, upper montane coniferous forest, cismontane woodland, meadows and seeps. Often on serpentine and roadsides. 4495 to 6398 ft in elevation. Blooms June-July (August).
<i>Erythronium oregonum</i>	giant fawn lily			2B.2	Cismontane woodland, meadows and seeps. Openings. Sometimes on serpentine; rocky sites. 984 to 4708 ft in elevation. Blooms March-June (July).
<i>Erythronium revolutum</i>	coast fawn lily			2B.2	Bogs and fens, broadleaved upland forest, north coast coniferous forest. Mesic sites; streambanks. 197 to 4610 ft in elevation. Blooms March-July (August).
<i>Extriplex joaquinana</i>	San Joaquin spearscale			1B.2	Alkali playa. Chenopod scrub, alkali meadow, playas, valley and foothill grassland. In seasonal alkali wetlands or alkali sink scrub with <i>Distichlis spicata</i> , <i>Frankenia</i> , etc. 3 to 2740 ft in elevation. Blooms April-October.
<i>Frasera umpquaensis</i>	Umpqua green-gentian			2B.2	Lower montane coniferous forest, meadows and seeps, chaparral, north coast coniferous forest. Mountain meadows; openings in forest. 5085 to 6004 ft in elevation. Blooms June-July.
<i>Fritillaria pluriflora</i>	adobe-lily			1B.2	Chaparral, cismontane woodland, foothill grassland. Usually on clay soils; sometimes serpentine. 148 to 3100 ft in elevation. Blooms February-April.

Table 10a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ranges Ecological Section (M261B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Gilia capitata</i> ssp. <i>pacifica</i>	Pacific gilia			1B.2	Coastal bluff scrub, chaparral, coastal prairie, valley and foothill grassland. 16 to 4413 ft in elevation. Blooms April-August.
<i>Grimmia torenii</i>	Toren's grimmia			1B.3	Cismontane woodland, lower montane coniferous forest, chaparral. Openings, rocky, boulder and rock walls, carbonate, volcanic. 1066 to 3806 ft in elevation. Blooms .
<i>Harmonia guggolziorum</i>	Guggolz's harmonia			1B.1	Chaparral. Open areas on serpentine. 525 to 640 ft in elevation. Blooms April-May.
<i>Harmonia hallii</i>	Hall's harmonia			1B.2	Chaparral. Serpentine hills and ridges. Open, rocky areas within chaparral. 1099 to 3051 ft in elevation. Blooms April-June.
<i>Harmonia stebbinsii</i>	Stebbins' harmonia			1B.2	Chaparral, lower montane coniferous forest. Serpentine soils; often along roads. 394 to 5200 ft in elevation. Blooms May-June.
<i>Hemizonia congesta</i> ssp. <i>congesta</i>	congested-headed hayfield tarplant			1B.2	Valley and foothill grassland. Grassy valleys and hills, often in fallow fields; sometimes along roadsides. 66 to 2133 ft in elevation. Blooms April-November.
<i>Hesperolinon adenophyllum</i>	glandular western flax			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Serpentine soils; generally found in serpentine chaparral. 492 to 4314 ft in elevation. Blooms May-August.
<i>Hesperolinon bicarpellatum</i>	two-carpellate western flax			1B.2	Serpentine chaparral. Serpentine barrens at edge of chaparral. 197 to 3297 ft in elevation. Blooms May-July.
<i>Hesperolinon breweri</i>	Brewer's western flax			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Often in rocky serpentine soil in serpentine chaparral and serpentine grassland. 640 to 2904 ft in elevation. Blooms May-July.
<i>Hesperolinon drymarioides</i>	drymaria-like western flax			1B.2	Closed-cone coniferous forest, chaparral, cismontane woodland, valley and foothill grassland. Serpentine soils, mostly within chaparral. 1296 to 6562 ft in elevation. Blooms May-August.
<i>Hesperolinon sharsmithiae</i>	Sharsmith's western flax			1B.2	Chaparral. Serpentine substrates. 886 to 984 ft in elevation. Blooms May-July.
<i>Hesperolinon tehamense</i>	Tehama County western flax			1B.3	Chaparral, cismontane woodland. Serpentine barrens in chaparral. 328 to 4101 ft in elevation. Blooms May-July.
<i>Horkelia bolanderi</i>	Bolander's horkelia			1B.2	Lower montane coniferous forest, chaparral, meadows and seeps, valley and foothill grassland. Grassy margins of vernal pools and meadows. 1493 to 2805 ft in elevation. Blooms (May), June-August.
<i>Horkelia tenuiloba</i>	thin-lobed horkelia			1B.2	Broadleaved upland forest, chaparral, valley and foothill grassland. Sandy soils; mesic openings. 164 to 1640 ft in elevation. Blooms May-July (August).
<i>Hosackia yollaboliensis</i>	Yolla Bolly Mtns. bird's-foot trefoil			1B.2	Upper montane coniferous forest, meadows and seeps. 5184 to 7005 ft in elevation. Blooms June-August.
<i>Iliamna latibracteata</i>	California globe mallow			1B.2	North Coast coniferous forest, chaparral, lower montane coniferous forest, riparian scrub (streambanks). Seepage areas in silty clay loam. 197 to 6562 ft in elevation. Blooms June-August.
<i>Imperata brevifolia</i>	California satintail			2B.1	Coastal scrub, chaparral, riparian scrub, Mojavean desert scrub, meadows and seeps (alkali), riparian scrub. Mesic sites, alkali seeps, riparian areas. 10 to 4905 ft in elevation. Blooms September-May.
<i>Jaffuelobryum raui</i>	Rau's jaffuelobryum moss			2B.3	Alpine dwarf scrub, chaparral, Mojavean desert scrub, Sonoran desert scrub. Dry openings, rock crevices, carbonate. 1608 to 6890 ft in elevation. Blooms .
<i>Juglans hindsii</i>	Northern California black walnut			1B.1	Riparian forest, riparian woodland. Few extant native stands remain; widely naturalized. Deep alluvial soil, associated with a creek or stream. 0 to 2100 ft in elevation. Blooms April-May.
<i>Kopsiopsis hookeri</i>	small groundcone			2B.3	North coast coniferous forest. Open woods, shrubby places, generally on Gaultheria shallon. 394 to 4708 ft in elevation. Blooms April-August.
<i>Lathyrus biflorus</i>	two-flowered pea			1B.1	Lower montane coniferous forest. Endemic to serpentine. 4495 to 4544 ft in elevation. Blooms June-August.
<i>Layia septentrionalis</i>	Colusa layia			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Scattered colonies in fields and grassy slopes in sandy or serpentine soil. 49 to 3609 ft in elevation. Blooms April-May.
<i>Legenere limosa</i>	legenere			1B.1	Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
<i>Leptosiphon jepsonii</i>	Jepson's leptosiphon			1B.2	Chaparral, cismontane woodland. Open to partially shaded grassy slopes. On volcanics or the periphery of serpentine substrates. 180 to 2805 ft in elevation. Blooms March-May.
<i>Lewisia cotyledon</i> var. <i>heckneri</i>	Heckner's lewisia			1B.2	Lower montane coniferous forest. Rocky places. 738 to 6890 ft in elevation. Blooms May-July.
<i>Lewisia stebbinsii</i>	Stebbins' lewisia			1B.2	Upper montane coniferous forest, lower montane coniferous forest. Relatively barren exposed ridges and slopes in nutrient poor soils (mostly serpentine). 5561 to 6726 ft in elevation. Blooms May-July.
<i>Lupinus antoninus</i>	Anthony Peak lupine			1B.2	Upper montane coniferous forest, lower montane coniferous forest. Open areas with surrounding forest; rocky sites. 3986 to 7513 ft in elevation. Blooms May-July.
<i>Lupinus elmeri</i>	South Fork Mountain lupine			1B.2	Lower montane coniferous forest. 4396 to 5906 ft in elevation. Blooms June-July (August).
<i>Lupinus sericatus</i>	Cobb Mountain lupine			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest, broadleaved upland forest. In stands of knobcone pine-oak woodland, on open wooded slopes in gravelly soils; sometimes on serpentine. 902 to 5003 ft in elevation. Blooms March-June.
<i>Malacothamnus mendocinensis</i>	Mendocino bush-mallow			1A	Cismontane woodland. Open, roadside banks. 1394 to 1886 ft in elevation. Blooms May-June.
<i>Microseris paludosa</i>	marsh microseris			1B.2	Closed-cone coniferous forest, cismontane woodland, coastal scrub, valley and foothill grassland. 16 to 984 ft in elevation. Blooms April-June (July).
<i>Monotropa uniflora</i>	ghost-pipe			2B.2	Broadleaved upland forest, north coast coniferous forest. Often under redwoods or western hemlock. 49 to 2805 ft in elevation. Blooms June-August (September).
<i>Montia howellii</i>	Howell's montia			2B.2	Meadows and seeps, north coast coniferous forest, vernal pools. Vernal wet sites; often on compacted soil. 33 to 3297 ft in elevation. Blooms (February), March-May.
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia			1B.1	Cismontane woodland, meadows and seeps, vernal pools, valley and foothill grassland, lower montane coniferous forest. Vernal pools and swales; adobe or alkaline soils. 16 to 5709 ft in elevation. Blooms April-July.
<i>Navarretia myersii</i> ssp. <i>deminuta</i>	small pincushion navarretia			1B.1	Vernal pools, wetland. Known from only one site in Lake County in vernal pool habitat on clay-loam soil; also in roadside depressions. 1165 to 1165 ft in elevation. Blooms April-May.

Table 10a Special-Status Plant Species Known or with Potential to Occur in the Northern California Coast Ranges Ecological Section (M261B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Navarretia paradoxinota</i>	Porter's navarretia			1B.3	Meadows and seeps. Serpentine, openings, vernal mesic, often drainages. 541 to 2756 ft in elevation. Blooms May-June (July).
<i>Navarretia rosulata</i>	Marin County navarretia			1B.2	Closed-cone coniferous forest, chaparral. Dry, open rocky places; can occur on serpentine. 656 to 2083 ft in elevation. Blooms May-July.
<i>Penstemon newberryi</i> var. <i>sonomensis</i>	Sonoma beardtongue			1B.3	Chaparral. Crevices in rock outcrops and talus slopes. 591 to 4610 ft in elevation. Blooms April-August.
<i>Piperia candida</i>	white-flowered rein orchid			1B.2	North coast coniferous forest, lower montane coniferous forest, broadleaved upland forest. Sometimes on serpentine. Forest duff, mossy banks, rock outcrops, and muskeg. 148 to 5299 ft in elevation. Blooms (March), May-September.
<i>Plagiobothrys lithocaryus</i>	Mayacamas popcornflower			1A	Chaparral, cismontane woodland, valley and foothill grassland. Moist sites. 984 to 1476 ft in elevation. Blooms April-May.
<i>Potamogeton epihydrus</i>	Nuttall's ribbon-leaved pondweed			2B.2	Marshes and swamps. Shallow water, ponds, lakes, streams, irrigation ditches. 968 to 8661 ft in elevation. Blooms (June), July-September.
<i>Potamogeton zosteriformis</i>	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
<i>Ramalina thrausta</i>	angel's hair lichen			2B.1	North coast coniferous forest. On dead twigs and other lichens. 246 to 1411 ft in elevation. Blooms .
<i>Sedum laxum</i> ssp. <i>eastwoodiae</i>	Red Mountain stonecrop			1B.2	Lower montane coniferous forest. Serpentine soils among rocks. 1969 to 3937 ft in elevation. Blooms May-July.
<i>Sidalcea malviflora</i> ssp. <i>patula</i>	Siskiyou checkerbloom			1B.2	Coastal bluff scrub, coastal prairie, north coast coniferous forest. Open coastal forest; roadcuts. 16 to 4117 ft in elevation. Blooms May-August.
<i>Sidalcea oregana</i> ssp. <i>eximia</i>	coast checkerbloom			1B.2	Meadows and seeps, north coast coniferous forest, lower montane coniferous forest. Near meadows, in gravelly soil. 16 to 5922 ft in elevation. Blooms June-August.
<i>Sidalcea oregana</i> ssp. <i>hydrophila</i>	marsh checkerbloom			1B.2	Meadows and seeps, riparian forest. Wet soil of streambanks, meadows. 3609 to 7546 ft in elevation. Blooms (June), July-August.
<i>Streptanthus brachiatus</i> ssp. <i>brachiatus</i>	Socrates Mine jewelflower			1B.2	Chaparral, closed-cone coniferous forest. Serpentine areas and serpentine chaparral. 1985 to 6398 ft in elevation. Blooms May-June.
<i>Streptanthus brachiatus</i> ssp. <i>hoffmanii</i>	Freed's jewelflower			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Moist, steep rocky banks, in serpentine and non-serpentine soil. 197 to 2510 ft in elevation. Blooms March-July.
<i>Streptanthus glandulosus</i> ssp. <i>hoffmanii</i>	Hoffman's bristly jewelflower			1B.3	Chaparral, cismontane woodland, valley and foothill grassland. Moist, steep rocky banks, in serpentine and non-serpentine soil. 197 to 2510 ft in elevation. Blooms March-July.
<i>Streptanthus hesperidis</i>	green jewelflower			1B.2	Chaparral, cismontane woodland. Openings in chaparral or woodland; serpentine, rocky sites. 787 to 2510 ft in elevation. Blooms May-July.
<i>Streptanthus morrisonii</i> ssp. <i>elatus</i>	Three Peaks jewelflower			1B.2	Chaparral. Serpentine barrens, outcrops, and talus. 262 to 2674 ft in elevation. Blooms June-September.
<i>Streptanthus morrisonii</i> ssp. <i>kruckebergii</i>	Kruckeberg's jewelflower			1B.2	Cismontane woodland. Scattered serpentine outcrops near the Lake/Napa County line. 705 to 3396 ft in elevation. Blooms April-July.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	slender-leaved pondweed			2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.
<i>Thermopsis robusta</i>	robust false lupine			1B.2	North coast coniferous forest, broadleaved upland forest. Ridgetops; sometimes on serpentine. 1198 to 4610 ft in elevation. Blooms May-July.
<i>Tracyina rostrata</i>	beaked tracyina			1B.2	Cismontane woodland, valley and foothill grassland. Open grassy meadows within oak woodland and grassland habitats. 295 to 2592 ft in elevation. Blooms May-June.
<i>Trichodon cylindricus</i>	cylindrical trichodon			2B.2	Broadleaved upland forest, upper montane coniferous forest. Moss growing in openings on sandy or clay soils on roadsides, stream banks, trails or in fields. 164 to 4921 ft in elevation. Blooms .
<i>Trichostema ruygtii</i>	Napa bluecurls			1B.2	Cismontane woodland, chaparral, valley and foothill grassland, vernal pools, lower montane coniferous forest. Often in open, sunny areas. Also has been found in vernal pools. 98 to 2231 ft in elevation. Blooms June-October.
<i>Trifolium buckwestiorum</i>	Santa Cruz clover			1B.1	Coastal prairie, broadleaved upland forest, cismontane woodland. Moist grassland. Gravelly margins. 344 to 2001 ft in elevation. Blooms April-October.
<i>Trifolium hydrophilum</i>	saline clover			1B.2	Marshes and swamps, valley and foothill grassland, vernal pools. Mesic, alkaline sites. 0 to 984 ft in elevation. Blooms April-June.
<i>Viburnum ellipticum</i>	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.

Listing Status
 E = Endangered
 T = Threatened
 R = Rare

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare 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

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 – Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Table 10b Special-Status Wildlife Species Known or with Potential to Occur in the Northern California Coast Ranges Ecological Section (M261B)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																						Total Acreage of Associated CWHR Types within the Treatable Landscape ¹			
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Douglas Fir	Jeffrey Pine	Klamath Mixed Conifer	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Red Fir	Redwood	Sierran Mixed Conifer	Subalpine Conifer	Valley Foothill Riparian		Valley Oak Woodland	White Fir	
Amphibians																													
Federal and State Listed/CDFW Fully Protected																													
Ambystoma californiense	California tiger salamander ²	T	T	X	X											X										X		<1	
Rana boylei	foothill yellow-legged frog ²		C SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,044	
Rana draytonii	California red-legged frog ²	T	SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	514,166	
CDFW Species of Special Concern																													
Ascaphus truei	Pacific tailed frog ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	508,761	
Dicamptodon ensatus	California giant salamander ²		SC	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X		X	X		X	X		293,024	
Rana aurora	northern red-legged frog ²		SC	X			X		X	X	X	X	X	X	X	X	X	X	X	X		X			X	X	X	168,280	
Rhyacotriton variegatus	southern torrent salamander ²		SC	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	250,048	
Spea hammondi	western spadefoot ²		SC	X	X		X		X				X		X		X								X	X		13,958	
Taricha rivularis	red-bellied newt ²		SC	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X		X			X	X		528,980	
Birds																													
Federal and State Listed/CDFW Fully Protected																													
Agelaius tricolor	tricolored blackbird		E SC	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X		X	X		240,379
Aquila chrysaetos	golden eagle		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,503
Buteo swainsoni	Swainson's hawk		T	X	X											X										X		<1	
Elanus leucurus	white-tailed kite		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	1,354,823	
Empidonax traillii brewsteri	little willow flycatcher		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,503	
Falco peregrinus anatum	American peregrine falcon		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,503	
Haliaeetus leucocephalus	bald eagle		E FP		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,503	
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	1,017,500
Phoebastria albatrus	short-tailed albatross ²	E	SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	844,816	
Sterna antillarum browni	California least tern ²	E	E FP	X	X	X	X		X				X		X		X								X	X		13,090	
Strix occidentalis caurina	northern spotted owl	T	T SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	902,423	
CDFW Species of Special Concern																													
Accipiter gentilis	northern goshawk		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	886,024	
Ammodramus savannarum	grasshopper sparrow		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,354,823	
Asio otus	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,503	
Athene cucularia	burrowing owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	1,105,218	
Aythya americana	redhead ²		SC	X	X										X											X		<1	
Chaetura vauxi	Vaux's swift		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	1,235,730	

Table 10b Special-Status Wildlife Species Known or with Potential to Occur in the Northern California Coast Ranges Ecological Section (M261B)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																						Total Acreage of Associated CWHR Types within the Treatable Landscape ¹		
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Douglas Fir	Jeffrey Pine	Klamath Mixed Conifer	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Red Fir	Redwood	Sierran Mixed Conifer	Subalpine Conifer	Valley Foothill Riparian		Valley Oak Woodland	White Fir
CDFW Species of Special Concern																												
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,503
<i>Arboreimus albipes</i>	white-footed vole		SC	X					X		X		X		X	X	X	X									X	24
<i>Arboreimus pomo</i>	Sonoma tree vole		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	1,082,548
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,503
<i>Lasiurus blossevillii</i>	western red bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,109,668
<i>Lepus americanus klamathensis</i>	Oregon snowshoe hare		SC	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X			X			X	17,384
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,503
Reptiles																												
CDFW Species of Special Concern																												
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,529,456
Listing Status E = Endangered T = Threatened C = Candidate for listing FP = Fully Protected SC = CDFW Species of Special Concern																												
¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.																												
² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.																												
Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019																												

Table 11a Special-Status Plant Species Known or with Potential to Occur in the Northern California Interior Coast Ranges Ecological Section (M261C) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Eriastrum tracyi</i>	Tracy's eriastrum		R	3.2	Chaparral, cismontane woodland, valley and foothill grassland. Gravelly shale or clay; often in open areas. 1033 to 5299 ft in elevation. Blooms May-July.
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop		E	1B.2	Marshes and swamps (freshwater), vernal pools. Clay soils; usually in vernal pools, sometimes on lake margins. 33 to 7792 ft in elevation. Blooms April-August.
<i>Orcuttia tenuis</i>	slender Orcutt grass	T	E	1B.1	Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
<i>Sidalcea keckii</i>	Keck's checkerbloom	E		1B.1	Cismontane woodland, valley and foothill grassland. Grassy slopes in blue oak woodland. On serpentine-derived, clay soils, at least sometimes. 279 to 1657 ft in elevation. Blooms April-May (June).
California Rare Plant Ranked					
<i>Acmispon rubriflorus</i>	red-flowered bird's-foot trefoil			1B.1	Valley and foothill grassland, cismontane woodland. Most recent sighting from sterile, red soils-volcanic mudflow deposits. 640 to 1608 ft in elevation. Blooms April-June.
<i>Amsinckia lunaris</i>	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
<i>Arctostaphylos manzanita</i> ssp. <i>elegans</i>	Konocti manzanita			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Volcanic soils. 738 to 6004 ft in elevation. Blooms January-May (July).
<i>Astragalus rattanii</i> var. <i>jepsonianus</i>	Jepson's milk-vetch			1B.2	Cismontane woodland, valley and foothill grassland, chaparral. Commonly on serpentine in grassland or openings in chaparral. 574 to 3297 ft in elevation. Blooms March-June.
<i>Astragalus tener</i> var. <i>ferrisiae</i>	Ferris' milk-vetch			1B.1	Meadows and seeps, valley and foothill grassland. Subalkaline flats on overflow land in the Central Valley; usually seen in dry, adobe soil. 16 to 246 ft in elevation. Blooms April-May.
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
<i>Brasenia schreberi</i>	watershield			2B.3	Freshwater marshes and swamps. Aquatic from water bodies both natural and artificial in California. 98 to 7218 ft in elevation. Blooms June-September.
<i>Brodiaea matsonii</i>	Sulphur Creek brodiaea			1B.1	Cismontane woodland, meadows and seeps. Streambanks. In cracks and crevices of metamorphic amphibolite schist. 640 to 722 ft in elevation. Blooms May-June.
<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs			1B.2	Chaparral, cismontane woodland, meadows and seeps, valley and foothill grassland. Openings in chaparral or grasslands. On serpentine. 66 to 3002 ft in elevation. Blooms April-June.
<i>Centromadia parryi</i> ssp. <i>parryi</i>	pappose tarplant			1B.2	Chaparral, coastal prairie, meadows and seeps, coastal salt marsh, valley and foothill grassland. Vernal mesic, often alkaline sites. 7 to 1378 ft in elevation. Blooms May-November.
<i>Chlorogalum pomeridianum</i> var. <i>minus</i>	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
<i>Cryptantha crinita</i>	silky cryptantha			1B.2	Cismontane woodland, valley foothill grassland, lower montane coniferous forest, riparian forest, riparian woodland. In gravelly streambeds. 115 to 4003 ft in elevation. Blooms April-May.
<i>Cryptantha excavata</i>	deep-scarred cryptantha			1B.1	Cismontane woodland. Sandy, gravelly, dry streambanks. 328 to 1640 ft in elevation. Blooms April-May.
<i>Downingia pusilla</i>	dwarf downingia			2B.2	Valley and foothill grassland (mesic sites), vernal pools. Vernal lake and pool margins with a variety of associates. In several types of vernal pools. 3 to 1608 ft in elevation. Blooms March-May.
<i>Eryngium jepsonii</i>	Jepson's coyote-thistle			1B.2	Vernal pools, valley and foothill grassland. Clay. 10 to 984 ft in elevation. Blooms April-August.
<i>Eschscholzia rhombipetala</i>	diamond-petaled California poppy			1B.1	Valley and foothill grassland. Alkaline, clay slopes and flats. 98 to 2051 ft in elevation. Blooms March-April.
<i>Euphorbia ocellata</i> ssp. <i>rattanii</i>	Stony Creek spurge			1B.2	Valley and foothill grassland, chaparral. Sandy or rocky soils. 279 to 2625 ft in elevation. Blooms May-October.
<i>Extriplex joaquinana</i>	San Joaquin spearscale			1B.2	Alkali playa. Chenopod scrub, alkali meadow, playas, valley and foothill grassland. In seasonal alkali wetlands or alkali sink scrub with <i>Distichlis spicata</i> , <i>Frankenia</i> , etc. 3 to 2740 ft in elevation. Blooms April-October.
<i>Fritillaria pluriflora</i>	adobe-lily			1B.2	Chaparral, cismontane woodland, foothill grassland. Usually on clay soils; sometimes serpentine. 148 to 3100 ft in elevation. Blooms February-April.
<i>Harmonia hallii</i>	Hall's harmonia			1B.2	Chaparral. Serpentine hills and ridges. Open, rocky areas within chaparral. 1099 to 3051 ft in elevation. Blooms April-June.
<i>Hesperolinon bicarpellatum</i>	two-carpellate western flax			1B.2	Serpentine chaparral. Serpentine barrens at edge of chaparral. 197 to 3297 ft in elevation. Blooms May-July.
<i>Hesperolinon breweri</i>	Brewer's western flax			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Often in rocky serpentine soil in serpentine chaparral and serpentine grassland. 640 to 2904 ft in elevation. Blooms May-July.
<i>Hesperolinon sharsmithiae</i>	Sharsmith's western flax			1B.2	Chaparral. Serpentine substrates. 886 to 984 ft in elevation. Blooms May-July.
<i>Hesperolinon tehamense</i>	Tehama County western flax			1B.3	Chaparral, cismontane woodland. Serpentine barrens in chaparral. 328 to 4101 ft in elevation. Blooms May-July.
<i>Horkelia bolanderi</i>	Bolander's horkelia			1B.2	Lower montane coniferous forest, chaparral, meadows and seeps, valley and foothill grassland. Grassy margins of vernal pools and meadows. 1493 to 2805 ft in elevation. Blooms (May), June-August.
<i>Horkelia daucifolia</i> var. <i>indicta</i>	Jepson's horkelia			1B.1	Cismontane woodland. Quaternary pyroclastic flows, volcanic or clay soils. Vernal mesic, openings. 787 to 2198 ft in elevation. Blooms April-June.
<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush			1B.1	Chaparral, valley and foothill grassland, cismontane woodland, vernal pools, meadows and seeps. Vernal mesic sites. Sometimes on edges of vernal pools. 98 to 3363 ft in elevation. Blooms March-June.
<i>Layia septentrionalis</i>	Colusa layia			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Scattered colonies in fields and grassy slopes in sandy or serpentine soil. 49 to 3609 ft in elevation. Blooms April-May.
<i>Legenere limosa</i>	legenere			1B.1	Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
<i>Leptosiphon jepsonii</i>	Jepson's leptosiphon			1B.2	Chaparral, cismontane woodland. Open to partially shaded grassy slopes. On volcanics or the periphery of serpentine substrates. 180 to 2805 ft in elevation. Blooms March-May.

Table 11a Special-Status Plant Species Known or with Potential to Occur in the Northern California Interior Coast Ranges Ecological Section (M261C) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Lupinus sericatus</i>	Cobb Mountain lupine			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest, broadleaved upland forest. In stands of knobcone pine-oak woodland, on open wooded slopes in gravelly soils; sometimes on serpentine. 902 to 5003 ft in elevation. Blooms March-June.
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia			1B.1	Cismontane woodland, meadows and seeps, vernal pools, valley and foothill grassland, lower montane coniferous forest. Vernal pools and swales; adobe or alkaline soils. 16 to 5709 ft in elevation. Blooms April-July.
<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	shining navarretia			1B.2	Cismontane woodland, valley and foothill grassland, vernal pools. Apparently in grassland, and not necessarily in vernal pools. 197 to 3199 ft in elevation. Blooms (March), April-July.
<i>Paronychia ahartii</i>	Ahart's paronychia			1B.1	Valley and foothill grassland, vernal pools, cismontane woodland. Stony, nearly barren clay of swales and higher ground around vernal pools. 98 to 1673 ft in elevation. Blooms February-June.
<i>Plagiobothrys hystriculus</i>	bearded popcornflower			1B.1	Vernal pools, valley and foothill grassland. Wet sites. 0 to 902 ft in elevation. Blooms April-May.
<i>Puccinellia simplex</i>	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernal mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
<i>Sagittaria sanfordii</i>	Sanford's arrowhead			1B.2	Marshes and swamps. In standing or slow-moving freshwater ponds, marshes, and ditches. 0 to 2133 ft in elevation. Blooms May-October (November).
<i>Streptanthus hesperidis</i>	green jewelflower			1B.2	Chaparral, cismontane woodland. Openings in chaparral or woodland; serpentine, rocky sites. 787 to 2510 ft in elevation. Blooms May-July.
<i>Trifolium piorkowskii</i>	maverick clover			1B.2	Volcanic, clay openings, often on streambanks within chaparral, cismontane woodland, lower montane coniferous forest, mesic sites within valley and foothill grassland, and vernal pools. 525 to 2,231 ft in elevation. Blooms April-May.
<i>Viburnum ellipticum</i>	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.

Listing Status
 E = Endangered
 T = Threatened
 R = Rare

California Rare Plant Rank
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere
 3 = Plants for which we need more information – review list

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 – Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 11b Special-Status Wildlife Species Known or with Potential to Occur in the Northern California Interior Coast Ranges Ecological Section (M261C)																							
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																		Total Acreage of Associated CWHR Types within the Treatable Landscape ¹	
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Douglas Fir	Eucalyptus	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Sierran Mixed Conifer	Valley Foothill Riparian		Valley Oak Woodland
Amphibians																							
Federal and State Listed/CDFW Fully Protected																							
Ambystoma californiense	California tiger salamander ²	T	T	X	X	X	X		X				X		X		X				X	X	10,087
Hydromantes shastae	Shasta salamander		T	X	X	X					X		X		X	X				X	X		<1
Rana boylei	foothill yellow-legged frog ²		C SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	692,730
Rana draytonii	California red-legged frog ²	T	SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	895,336
CDFW Species of Special Concern																							
Ascaphus truei	Pacific tailed frog ²		SC	X	X	X	X			X	X		X	X	X	X			X	X	X	X	67,029
Lithobates pipiens	northern leopard frog ²		SC	X	X	X									X						X	X	21,002
Spea hammondi	western spadefoot ²		SC	X	X	X	X		X	X		X	X		X	X	X	X		X	X	X	605,655
Birds																							
Federal and State Listed/CDFW Fully Protected																							
Agelaius tricolor	tricolored blackbird		E SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Antigone canadensis tabida	greater sandhill crane		T FP	X	X							X			X						X		<1
Aquila chrysaetos	golden eagle		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Buteo swainsoni	Swainson's hawk		T	X	X	X	X		X			X	X		X		X	X			X	X	67,141
Elanus leucurus	white-tailed kite		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Empidonax traillii	willow flycatcher		E	X	X	X					X		X		X	X			X	X	X	X	23,203
Empidonax traillii brewsteri	little willow flycatcher		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Falco peregrinus anatum	American peregrine falcon		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Haliaeetus leucocephalus	bald eagle		E FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Riparia riparia	bank swallow		T	X	X	X	X		X	X		X	X		X		X				X	X	65,661
Sterna antillarum browni	California least tern ²	E	E FP	X	X	X	X		X	X			X		X							X	4,022
Strix occidentalis caurina	northern spotted owl	T	T SC	X	X	X	X				X		X	X	X	X			X	X	X	X	11,310
CDFW Species of Special Concern																							
Accipiter gentilis	northern goshawk		SC	X	X	X	X				X		X	X	X	X			X	X	X	X	29,501
Ammodramus savannarum	grasshopper sparrow		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Asio otus	long-eared owl		SC	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	<1
Athene cucularia	burrowing owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Aythya americana	redhead ²		SC	X	X		X		X						X		X					X	<1

Table 11b Special-Status Wildlife Species Known or with Potential to Occur in the Northern California Interior Coast Ranges Ecological Section (M261C)																						
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																		Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Douglas Fir	Eucalyptus	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Sierran Mixed Conifer	Valley Foothill Riparian	
CDFW Species of Special Concern																						
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
<i>Euderma maculatum</i>	spotted bat		SC	X	X	X				X		X		X	X			X	X	X	X	30,925
<i>Eumops perotis californicus</i>	western mastiff bat		SC	X	X	X						X		X	X			X	X	X	X	6,523
<i>Lasiurus blossevillii</i>	western red bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
<i>Lepus americanus klamathensis</i>	Oregon snowshoe hare		SC	X	X	X	X				X		X	X	X	X			X	X	X	23,152
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
Reptiles																						
Federal and State Listed/CDFW Fully Protected																						
<i>Thamnophis gigas</i>	giant garter snake ²	T	T	X	X	X	X								X			X			X	2,241
CDFW Species of Special Concern																						
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	904,575
<p>Listing Status E = Endangered T = Threatened C = Candidate for listing FP = Fully Protected SC = CDFW Species of Special Concern</p> <p>¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available. ² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.</p> <p>Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019</p>																						

Table 12a Special-Status Plant Species Known or with Potential to Occur in the Northwestern Basin and Range Ecological Section (342B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
California Rare Plant Ranked					
<i>Alisma gramineum</i>	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
<i>Allium atrorubens</i> var. <i>atorubens</i>	Great Basin onion			2B.3	Great Basin scrub, pinyon-juniper woodland. In sandy, rocky, gravelly, or sometimes clay soils in the White Mountains. 3937 to 7595 ft in elevation. Blooms May-June.
<i>Arnica fulgens</i>	hillside arnica			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps. Open, damp depressions and meadows in sagebrush scrub or juniper woodland. 4298 to 7201 ft in elevation. Blooms May-July (August).
<i>Astragalus agrestis</i>	field milk-vetch			2B.2	Great Basin scrub, meadows and seeps. Vernal mesic sites. 5118 to 5299 ft in elevation. Blooms April-July (August).
<i>Astragalus argophyllus</i> var. <i>argophyllus</i>	silver-leaved milk-vetch			2B.2	Alkali playa, wetland. Meadows and seeps, playas. Alkaline and saline meadows, stream banks and lake shores, in stiff alluvial clays and loams. 4068 to 7710 ft in elevation. Blooms May-July.
<i>Astragalus geyeri</i> var. <i>geyeri</i>	Geyer's milk-vetch			2B.2	Chenopod scrub, Great Basin scrub. Sandy flats and valley floors, depressions in mobile or stabilized dunes, and along draws. 3789 to 6512 ft in elevation. Blooms May-August.
<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i>	Pulsifer's milk-vetch			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Usually granitic substrate, sandy or rocky, often with pines or sagebrush. 3757 to 6102 ft in elevation. Blooms May-August (September).
<i>Atriplex argentea</i> var. <i>hillmanii</i>	Hillman's silverscale			2B.2	Great Basin scrub, meadows and seeps. Alkaline meadows in scrub. 2936 to 5217 ft in elevation. Blooms June-September.
<i>Atriplex gardneri</i> var. <i>falcata</i>	falcate saltbush			2B.2	Chenopod scrub, Great Basin scrub. Usually on subalkaline soils in low chenopod scrub. 4085 to 4511 ft in elevation. Blooms May-August.
<i>Balsamorhiza serrata</i>	serrated balsamroot			2B.3	Great Basin scrub. Rocky sites. 4790 to 5249 ft in elevation. Blooms May-June.
<i>Chylismia claviformis</i> ssp. <i>cruciformis</i>	cruciform evening-primrose			2B.3	Chenopod scrub, Great Basin scrub. Clay soils. 3986 to 4806 ft in elevation. Blooms May-July.
<i>Claytonia umbellata</i>	Great Basin claytonia			2B.3	Subalpine coniferous forest. Talus slopes, stony flats, crevices. 5594 to 11483 ft in elevation. Blooms May-August.
<i>Cleomella hillmanii</i> var. <i>hillmanii</i>	Hillman's cleomella			2B.2	Great Basin scrub, chenopod scrub. Clay soils. 3986 to 4806 ft in elevation. Blooms April-June.
<i>Cryptantha celosioides</i>	cocks-comb cat's-eye			2B.3	Pinyon and juniper woodland. 4298 to 6299 ft in elevation. Blooms July-August.
<i>Delphinium stachydeum</i>	spiked larkspur			2B.3	Upper montane coniferous forest, Great Basin scrub. Known in California only from the Warner Mountains, on a dry, rocky ridge. 4659 to 8399 ft in elevation. Blooms June-August.
<i>Dimeresia howellii</i>	doublet			2B.3	Lower montane coniferous forest, pinyon and juniper woodland. On slopes in dry gravelly volcanic soils. 4396 to 8202 ft in elevation. Blooms May-September.
<i>Diplacus cusickioides</i>	Cusick's monkeyflower			2B.3	Great Basin scrub, lower montane coniferous forest. Roadsides, gravelly sites. On scree, volcanic substrates. 4692 to 4921 ft in elevation. Blooms May-August.
<i>Downingia laeta</i>	Great Basin downingia			2B.2	Great Basin scrub, meadows and seeps, freshwater marshes, pinyon-juniper woodland, vernal pools. In mesic sites or wetlands. 4003 to 7218 ft in elevation. Blooms May-July.
<i>Eremothera minor</i>	Nelson's evening-primrose			2B.3	Chenopod scrub, Great Basin scrub. Sandy slopes, flats. 3937 to 4528 ft in elevation. Blooms April-July.
<i>Eriogonum microthecum</i> var. <i>schoolcraftii</i>	Schoolcraft's wild buckwheat			1B.2	Pinyon and juniper woodland, Great Basin scrub. Sandy to rocky substrates. 4265 to 5741 ft in elevation. Blooms July-September.
<i>Eriogonum nutans</i> var. <i>nutans</i>	Dugway wild buckwheat			2B.3	Great Basin scrub, chenopod scrub. Sandy or gravelly sites; also cited as often in greasewood scrub in flat, silty areas. 4003 to 9843 ft in elevation. Blooms May-September (October).
<i>Eriogonum ochrocephalum</i> var. <i>ochrocephalum</i>	ochre-flowered buckwheat			2B.2	Great Basin scrub, pinyon and juniper woodland. Volcanics or clay. 3937 to 7907 ft in elevation. Blooms May-June.
<i>Eriogonum prociduum</i>	prostrate buckwheat			1B.2	Great Basin scrub, pinyon-juniper woodland, upper montane coniferous forest. Dry volcanic slopes and hills, (Jepson Manual says granite). 4265 to 8875 ft in elevation. Blooms May-August.
<i>Erythranthe inflatula</i>	ephemeral monkeyflower			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Gravelly or rocky sites; vernal mesic. 4085 to 5807 ft in elevation. Blooms May-August.
<i>Galium glabrescens</i> ssp. <i>modocense</i>	Modoc bedstraw			1B.2	Great Basin scrub. Gravelly slopes and under the edges of rocks; sandy clay soil. 5085 to 9154 ft in elevation. Blooms June-August.
<i>Geum aleppicum</i>	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
<i>Hymenoxys lemmonii</i>	Aleppo avens			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps with subalkaline soils. 2641 to 9006 ft in elevation. Blooms June-August and sometimes until September.
<i>Ivesia sericoleuca</i>	Plumas ivesia			1B.2	Wetland Great Basin scrub, lower montane coniferous forest, meadows and seeps, vernal pools. Vernal mesic areas; usually volcanic substrates. 4314 to 7005 ft in elevation. Blooms May-October.
<i>Juncus luciensis</i>	Santa Lucia dwarf rush			1B.2	Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub. Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 984 to 6693 ft in elevation. Blooms April-July.
<i>Ladeania lanceolata</i>	lance-leaved scurf-pea			2B.3	Great Basin scrub. Sandy clearings in Great Basin and winter fat scrub, and, outside of California, on alluvial plains. 3986 to 6660 ft in elevation. Blooms April-August.
<i>Lathyrus rigidus</i>	rigid pea			2B.2	Great Basin scrub, pinyon and juniper woodland. Often in disturbed areas. 4987 to 6004 ft in elevation. Blooms April-July.
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i>	sagebrush loeflingia			2B.2	Great Basin scrub, Sonoran desert scrub, desert dunes. Sandy flats and dunes. Sandy areas around clay slicks w/Sarcobatus, Atriplex, Tetradymia, etc. 2297 to 5299 ft in elevation. Blooms April-May.
<i>Lomatium foeniculaceum</i> ssp. <i>macdougalii</i>	Macdougall's lomatium			2B.2	Chenopod scrub, Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Volcanic soil. 3986 to 7234 ft in elevation. Blooms April-July.
<i>Lomatium grayi</i>	Gray's lomatium			2B.3	Great Basin scrub, pinyon and juniper woodland. 4593 to 6512 ft in elevation. Blooms April-June.
<i>Lomatium hendersonii</i>	Henderson's lomatium			2B.3	Pinyon-juniper woodland, Great Basin scrub, lower montane coniferous forest. Rocky, clay soils. 4593 to 8005 ft in elevation. Blooms March-June.
<i>Lomatium ravenii</i> var. <i>paiutense</i>	Paiute lomatium			2B.3	Great Basin scrub in rocky, gravelly, volcanic with underlying clay. 2887 to 5512 ft in elevation. Blooms April-June.

Table 12a Special-Status Plant Species Known or with Potential to Occur in the Northwestern Basin and Range Ecological Section (342B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Lomatium ravenii</i> var. <i>ravenii</i>	Raven's lomatium			1B.3	Great Basin scrub. Open, slightly alkaline flats, poorly drained adobe soils. Often with <i>Artemisia tridentata</i> , <i>Grayia</i> , etc. 3986 to 7201 ft in elevation. Blooms April-June.
<i>Lupinus pusillus</i> var. <i>intermontanus</i>	intermontane lupine			2B.3	Great Basin scrub. Sandy soils. 3888 to 6759 ft in elevation. Blooms May-June.
<i>Mertensia longiflora</i>	long bluebells			2B.2	Great Basin scrub, lower montane coniferous forest. 4347 to 6004 ft in elevation. Blooms April-June.
<i>Mertensia oblongifolia</i> var. <i>amoena</i>	beautiful sagebrush bluebells			2B.2	Great Basin scrub, meadows and seeps. 5348 to 7595 ft in elevation. Blooms April-July.
<i>Mertensia oblongifolia</i> var. <i>oblongifolia</i>	sagebrush bluebells			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps, subalpine coniferous forest. Usually in mesic sites. 3281 to 9843 ft in elevation. Blooms April-July.
<i>Micromonolepis pusilla</i>	dwarf monolepis			2B.3	Great Basin scrub. Alkaline sites, openings. 4446 to 7201 ft in elevation. Blooms May-August.
<i>Orobanche ludoviciana</i> var. <i>arenosa</i>	Suksdorf's broom-rape			2B.3	Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October).
<i>Pedicularis centranthera</i>	Great Basin lousewort			2B.3	Great Basin scrub. Alluvial fans; dry, ashy loam w/ <i>Artemisia tridentata</i> , <i>Juniperus</i> , <i>Chrysothamnus</i> , etc. 4413 to 4610 ft in elevation. Blooms April-June.
<i>Penstemon sudans</i>	Susanville beardtongue			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Volcanic rocky sites. 4199 to 7972 ft in elevation. Blooms June-July (August),(September).
<i>Phacelia gymnoclada</i>	naked-stemmed phacelia			2B.3	Chenopod scrub, Great Basin scrub, pinyon-juniper woodland. Gravelly or clay soils. 4003 to 8366 ft in elevation. Blooms April-June (August).
<i>Phacelia inundata</i>	playa phacelia			1B.3	Great Basin scrub, lower montane coniferous forest, playas. Dried edges of alkali lakes and sinks, inundated clay soils. 4429 to 6562 ft in elevation. Blooms May-August (September).
<i>Plagiobothrys salsus</i>	desert popcornflower			2B.2	Playas (alkaline). Moist, alkaline mud flats. 1985 to 4954 ft in elevation. Blooms May-August.
<i>Polycytenium williamsiae</i>	Williams' combleaf			1B.2	Alkali playa. Great Basin scrub, marshes and swamps, pinyon and juniper woodland, playas, vernal pools. 4413 to 8301 ft in elevation. Blooms March-July.
<i>Polygala subspinosa</i>	spiny milkwort			2B.2	Great Basin scrub, pinyon and juniper woodland. Volcanic mesas, gravelly soils; often in sagebrush scrub. 4167 to 5594 ft in elevation. Blooms May-August.
<i>Potamogeton zosteriformis</i>	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
<i>Potentilla newberryi</i>	Newberry's cinquefoil			2B.3	Marshes and swamps, vernal pools. Receding shorelines; drying wetland margins. 4216 to 6332 ft in elevation. Blooms May-August.
<i>Pyrrocomma lucida</i>	sticky pyrrocomma			1B.2	Lower montane coniferous forest, meadows and seeps, Great Basin scrub. Alkaline flats, clay soils. 2493 to 6857 ft in elevation. Blooms July-October.
<i>Ribes hudsonianum</i> var. <i>petiolare</i>	western black currant			2B.3	Riparian scrub. Along creeks with <i>Salix</i> , <i>Heracleum</i> , etc. 4921 to 7316 ft in elevation. Blooms May-July.
<i>Rumex venosus</i>	winged dock			2B.3	Great Basin scrub. Sandy substrates; broadly distributed; just barely gets into California at Honey Lake Valley. 3937 to 5906 ft in elevation. Blooms May-June.
<i>Salix bebbiana</i>	Bebb's willow			2B.3	Riparian scrub, marshes and swamps. Streambanks, lakeshores. 3937 to 7316 ft in elevation. Blooms May.
<i>Sidalcea multifida</i>	cut-leaf checkerbloom			2B.3	Lower montane coniferous forest, meadows and seeps, Great Basin scrub, pinyon and juniper woodland. 5741 to 9186 ft in elevation. Blooms May-September.
<i>Sphaeralcea grossulariifolia</i>	currant-leaved desert mallow			2B.3	Chenopod scrub, Great Basin scrub. Volcanic soils. 3937 to 6890 ft in elevation. Blooms May-October.
<i>Stachys pilosa</i>	hairy marsh hedge-nettle			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 2575 to 6709 ft in elevation. Blooms June-August.
<i>Stanleya viridiflora</i>	green-flowered prince's plume			2B.3	Great Basin scrub. Ash deposits in sagebrush scrub. These ash mounds generally support less than 5% vegetation cover. 4265 to 5249 ft in elevation. Blooms May-August.
<i>Suaeda occidentalis</i>	western seablite			2B.3	Great Basin scrub. Alkaline soils; mesic sites. 3986 to 4413 ft in elevation. Blooms July-September.
<i>Synthyris missurica</i> ssp. <i>missurica</i>	kitten-tails			2B.3	Lower montane coniferous forest, subalpine coniferous forest, upper montane coniferous forest. 6365 to 9203 ft in elevation. Blooms (May), June-July (August).
<i>Thelypodium howellii</i> ssp. <i>howellii</i>	Howell's thelypodium			1B.2	Great Basin scrub, meadows and seeps. Moist alkaline meadows. 3297 to 6709 ft in elevation. Blooms May-July.
<i>Thelypodium integrifolium</i> ssp. <i>complanatum</i>	foxtail thelypodium			2B.2	Great Basin scrub, meadows and seeps. Alkaline or subalkaline soils; mesic sites. 3806 to 8005 ft in elevation. Blooms June-October.
<i>Thelypodium milleflorum</i>	many-flowered thelypodium			2B.2	Great Basin scrub, chenopod scrub. Big sagebrush and rabbitbrush/bitterbrush scrubs in sandy soils; often w/other sand-related herbs. 3937 to 8202 ft in elevation. Blooms April-June.
<i>Trifolium gymnocarpon</i> ssp. <i>plummerae</i>	Plummer's clover			2B.3	Great Basin scrub, pinyon and juniper woodland. 4790 to 6299 ft in elevation. Blooms May-June.

California Rare Plant Rank

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

2B = Plants rare or endangered in California, but more common elsewhere

Threat Ranks

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

0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 12b Special-Status Wildlife Species Known or with Potential to Occur in the Northwestern Basin and Range Ecological Section (342B)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Eastside Pine	Juniper	Low Sage	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	White Fir	
Amphibians																				
Federal and State Listed/CDFW Fully Protected																				
Rana pretiosa	Oregon spotted frog ²	T	SC	X	X	X	X	X	X	X			X		X	X	X	X	X	856
Rana sierra	Sierra Nevada yellow-legged frog ²	E	T		X		X	X		X	X	X	X	X	X	X	X	X	X	<1
CDFW Species of Special Concern																				
Ambystoma macrodactylum sigillatum	southern long-toed salamander ²		SC				X													<1
Lithobates pipiens	northern leopard frog ²		SC	X	X	X	X	X	X	X				X	X	X	X			4,012
Birds																				
Federal and State Listed/CDFW Fully Protected																				
Agelaius tricolor	tricolored blackbird		E SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,285
Antigone canadensis tabida	greater sandhill crane		T FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Aquila chrysaetos	golden eagle		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Buteo swainsoni	Swainson's hawk		T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Charadrius alexandrinus nivosus	western snowy plover ²	T	SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24,372
Falco peregrinus anatum	American peregrine falcon		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Haliaeetus leucocephalus	bald eagle		E FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Riparia riparia	bank swallow		T		X	X	X	X	X	X	X	X	X	X	X	X	X			17,201
Strix nebulosa	great gray owl		E		X	X	X	X		X	X	X	X	X	X	X	X	X	X	64
CDFW Species of Special Concern																				
Accipiter gentilis	northern goshawk		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	54,868
Asio flammeus	short-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Asio otus	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Athene cunicularia	burrowing owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Aythya Americana	redhead ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Centrocercus urophasianus	greater sage-grouse		SC	X	X	X	X	X	X	X			X	X	X		X	X	X	189,623
Chaetura vauxi	Vaux's swift		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9,793
Chlidonias niger	black tern ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Circus cyaneus	northern harrier		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Contopus cooperi	olive-sided flycatcher		SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X		<1
Coturnicops noveboracensis	yellow rail ²		SC	X	X										X		X			-

Table 12b Special-Status Wildlife Species Known or with Potential to Occur in the Northwestern Basin and Range Ecological Section (342B)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Eastside Pine	Juniper	Low Sage	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	White Fir	
Taxidea taxus	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953
Urocitellus mollis	Piute ground squirrel		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	276,953

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate for listing
 FP = Fully Protected
 SC = CDFW Species of Special Concern

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.

² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.

Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019

Table 13a Special-Status Plant Species Known or with Potential to Occur in the Sierra Nevada Ecological Section (M261E) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Brodiaea insignis</i>	Kaweah brodiaea		E	1B.2	Cismontane woodland, meadows and seeps, valley and foothill grassland. Granite or clay soils on south to southwest facing slopes; usually in grassland surrounded by foothill woodland. 558 to 4610 ft in elevation. Blooms April-June.
<i>Calystegia stebbinsii</i>	Stebbins' morning-glory	E	E	1B.1	Chaparral, cismontane woodland. On red clay soils of the Pine Hill formation; gabbro or serpentine; open areas. 984 to 2379 ft in elevation. Blooms April-July.
<i>Carex tompkinsii</i>	Tompkins' sedge		R	4.3	Chaparral, cismontane woodland, lower montane coniferous forest, upper montane coniferous forest. Often on granitic substrate; sometimes also on soils from metamorphic rock. 1378 to 6004 ft in elevation. Blooms May-July.
<i>Carpenteria californica</i>	tree-anemone		T	1B.2	Cismontane woodland, chaparral. A very localized endemic found on well-drained granitic soils, mostly in north-facing ravines and drainages. 1099 to 4413 ft in elevation. Blooms (April), May-July.
<i>Clarkia lingulata</i>	Merced clarkia		E	1B.1	Chaparral, cismontane woodland. Metamorphic gravels and talus and in red clay on north-facing slopes and in canyon bottoms. 1394 to 1509 ft in elevation. Blooms May-June.
<i>Clarkia springvillensis</i>	Springville clarkia	T	E	1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Cutbanks and openings in blue oak woodland. Decomposed granite loam. 787 to 4003 ft in elevation. Blooms (March), April-July.
<i>Deinandra mohavensis</i>	Mojave tarplant		E	1B.3	Riparian scrub, coastal scrub, chaparral. Low sand bars in river bed; mostly in riparian areas or in ephemeral grassy areas. 2100 to 5249 ft in elevation. Blooms (May), June-October (January).
<i>Eriastrum tracyi</i>	Tracy's eriastrum		R	3.2	Chaparral, cismontane woodland, valley and foothill grassland. Gravelly shale or clay; often in open areas. 1033 to 5299 ft in elevation. Blooms May-July.
<i>Eriophyllum congdonii</i>	Congdon's woolly sunflower		R	1B.2	Chaparral, cismontane woodland, lower montane coniferous forest, valley and foothill grassland. In cracks in rock outcroppings, and on talus; sometimes with <i>Quercus douglasii</i> , <i>Aesculus californica</i> . 1640 to 6234 ft in elevation. Blooms April-June.
<i>Fremontodendron decumbens</i>	Pine Hill flannelbush	E	R	1B.2	Chaparral, cismontane woodland. Rocky ridges; gabbro or serpentine endemic; often among rocks and boulders. 1394 to 2510 ft in elevation. Blooms April-July.
<i>Fritillaria striata</i>	striped adobe-lily		T	1B.1	Cismontane woodland, valley and foothill grassland. Heavy clay adobe soils in oak grassland. 443 to 4790 ft in elevation. Blooms February-April.
<i>Ivesia webberi</i>	Webber's ivesia	T		1B.1	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Rocky or gravelly volcanic soils. 3396 to 6299 ft in elevation. Blooms May-July.
<i>Lewisia congdonii</i>	Congdon's lewisia		R	1B.3	Chaparral, valley and foothill grassland, lower montane coniferous forest, cismontane woodland, upper montane coniferous forest. North exposures; in crevices on slopes among rocks. Granitic or metamorphic substrates. 1969 to 6808 ft in elevation. Blooms April-June.
<i>Lupinus citrinus</i> var. <i>deflexus</i>	Mariposa lupine		T	1B.2	Chaparral, cismontane woodland. Decomposed granitic sand on hilltops and hillsides on western slope of the Sierra Nevada, mostly southern exposure. 1411 to 2247 ft in elevation. Blooms April-May.
<i>Monolopia congdonii</i>	San Joaquin woollythreads	E		1B.2	Chenopod scrub, valley and foothill grassland. Alkaline or loamy plains; sandy soils, often with grasses and within chenopod scrub. 180 to 2756 ft in elevation. Blooms February-May.
<i>Packera layneae</i>	Layne's ragwort	T	R	1B.2	Chaparral, cismontane woodland. Ultramafic soil (serpentine or gabbro); occasionally along streams. 656 to 3560 ft in elevation. Blooms April-August.
<i>Rorippa subumbellata</i>	Tahoe yellow cress		E	1B.1	Wetland Lower montane coniferous forest, meadows and seeps. Sandy beaches, on lakeside margins and in riparian communities; on decomposed granite sand. 6217 to 6234 ft in elevation. Blooms May-September.
<i>Sidalcea covillei</i>	Owens Valley checkerbloom		E	1B.1	Meadows and seeps, chenopod scrub. Moist alkaline meadows and freshwater seeps, fine sandy loam soil, one occurrence in stoney calcareous soil. 3576 to 4642 ft in elevation. Blooms April-June.
<i>Sidalcea stipularis</i>	Scadden Flat checkerbloom		E	1B.1	Marshes and swamps. Wet montane marshes fed by springs. 2297 to 2428 ft in elevation. Blooms July-August.
California Rare Plant Ranked					
<i>Agrostis humilis</i>	mountain bent grass			2B.3	Limestone, wetland. Alpine boulder and rock field, meadows and seeps, subalpine coniferous forest. Sometimes on calcareous substrates. Probably undercollected; high elevation grass. 5003 to 11155 ft in elevation. Blooms July-September.
<i>Allium abramsii</i>	Abrams' onion			1B.2	Lower montane coniferous forest, upper montane coniferous forest. On sandy soils, derived from disintegrated granite. 3199 to 10007 ft in elevation. Blooms May-July.
<i>Allium atrorubens</i> var. <i>atorubens</i>	Great Basin onion			2B.3	Great Basin scrub, pinyon-juniper woodland. In sandy, rocky, gravelly, or sometimes clay soils in the White Mountains. 3937 to 7595 ft in elevation. Blooms May-June.
<i>Allium howellii</i> var. <i>clokeyi</i>	Mt. Pinos onion			1B.3	Great Basin scrub, pinyon and juniper woodland, meadows and seeps (edges). 4544 to 5906 ft in elevation. Blooms April-June.
<i>Allium jepsonii</i>	Jepson's onion			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. On serpentine soils in Sierra foothills, volcanic soil on Table Mountain. On slopes and flats; usually in an open area. 1165 to 3707 ft in elevation. Blooms April-August.
<i>Allium shevockii</i>	Spanish Needle onion			1B.3	Pinyon and juniper woodland, upper montane coniferous forest. In soil pockets on rock outcrops and talus slopes; bulbs mostly on margins of outcrops. 2789 to 8202 ft in elevation. Blooms May-June.
<i>Allium tribracteatum</i>	three-bracted onion			1B.2	Chaparral, lower montane coniferous forest, upper montane coniferous forest. Volcanic slopes and ridges. 2887 to 9301 ft in elevation. Blooms April-August.
<i>Arabis rigidissima</i> var. <i>demota</i>	Galena Creek rockcress			1B.2	Broadleaved upland forest, upper montane coniferous forest. Well-drained, stony soil underlain by basic volcanic rock. 7398 to 8399 ft in elevation. Blooms July-August.
<i>Arctostaphylos nissenana</i>	Nissenan manzanita			1B.2	Closed-cone coniferous forest, chaparral. Usually on metamorphics, associated w/ other chaparral species. 1526 to 5282 ft in elevation. Blooms February-March.
<i>Artemisia tripartita</i> ssp. <i>tripartita</i>	threetip sagebrush			2B.3	Upper montane coniferous forest. Openings in the forest. Rocky, volcanic soils. 7497 to 8005 ft in elevation. Blooms August.
<i>Astragalus austini</i>	Austin's astragalus			1B.3	Alpine boulder and rock field, subalpine coniferous forest. Rocky. 8005 to 9728 ft in elevation. Blooms (May), July-September.
<i>Astragalus lemmonii</i>	Lemmon's milk-vetch			1B.2	Great Basin scrub, meadows and seeps, marshes and swamps. Lakeshores, meadows and seeps. 3304 to 7218 ft in elevation. Blooms May-August (September).

Table 13a Special-Status Plant Species Known or with Potential to Occur in the Sierra Nevada Ecological Section (M261E) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Astragalus lentiformis</i>	lens-pod milk-vetch			1B.2	Great Basin scrub, lower montane coniferous forest. Shallow, volcanic soils among sagebrush, sometimes with Jeffrey pine. 4790 to 6266 ft in elevation. Blooms May-July.
<i>Astragalus lentiginosus</i> var. <i>kemensis</i>	Kern Plateau milk-vetch			1B.2	Meadows and seeps, subalpine coniferous forest. Dry, gravelly or sandy slopes or flats. 6791 to 9006 ft in elevation. Blooms June-July.
<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i>	Pulsifer's milk-vetch			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Usually granitic substrate, sandy or rocky, often with pines or sagebrush. 3757 to 6102 ft in elevation. Blooms May-August (September).
<i>Astragalus shevockii</i>	Shevock's milk-vetch			1B.3	Upper montane coniferous forest. Open Jeffrey pine forest, in granitic sand or volcanic soils and in pine-needle duff. 6184 to 6447 ft in elevation. Blooms June-July.
<i>Astragalus webberi</i>	Webber's milk-vetch			1B.2	Lower montane coniferous forest, broadleaved upland forest, meadows and seeps. Open brushy slopes and flats in xeric pine forest or mixed pine-oak forest. 2379 to 4003 ft in elevation. Blooms May-July.
<i>Atriplex pusilla</i>	smooth saltbush			2B.1	Great Basin scrub, meadows and seeps. Known from hot springs, alkali springs. 4364 to 6562 ft in elevation. Blooms June-September.
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
<i>Betula glandulosa</i>	dwarf resin birch			2B.2	Bogs and fens, lower montane coniferous forest, meadows and seeps, marshes and swamps, subalpine coniferous forest. Mesic sites. 476 to 7513 ft in elevation. Blooms May-July.
<i>Boechea bodiensis</i>	Bodie Hills rockcress			1B.3	Alpine boulder and rock field, Great Basin scrub, pinyon and juniper woodland, subalpine coniferous forest. In rock crevices, outcrops, and on steep slopes. Granite and volcanic substrates. 6890 to 11598 ft in elevation. Blooms June-July (August).
<i>Boechea constancei</i>	Constance's rockcress			1B.1	Chaparral, lower montane coniferous forest, upper montane coniferous forest. Mostly on open, bare, serpentine slopes and outcrops in chaparral and woodland. 3199 to 6644 ft in elevation. Blooms May-July.
<i>Boechea dispar</i>	pinyon rockcress			2B.3	Joshua tree woodland, pinyon and juniper woodland, Mojavean desert scrub. Granitic, gravelly slopes and mesas. Often under desert shrubs which support it as it grows. 3297 to 9203 ft in elevation. Blooms March-June.
<i>Boechea tularensis</i>	Tulare rockcress			1B.3	Subalpine coniferous forest, upper montane coniferous forest. Rocky slopes. 5988 to 11007 ft in elevation. Blooms (May), June-July (August).
<i>Botrychium ascendens</i>	upswept moonwort			2B.3	Lower montane coniferous forest, meadows and seeps. Grassy fields, coniferous woods near springs and creeks. 3658 to 10712 ft in elevation. Blooms July-August.
<i>Botrychium crenulatum</i>	scalloped moonwort			2B.2	Bogs and fens, meadows and seeps, upper montane coniferous forest, lower montane coniferous forest, marshes and swamps. Moist meadows, freshwater marsh, and near creeks. 3888 to 10203 ft in elevation. Blooms June-September.
<i>Botrychium lunaria</i>	common moonwort			2B.3	Meadows and seeps, subalpine coniferous forest, upper montane coniferous forest. 6398 to 11204 ft in elevation. Blooms August.
<i>Botrychium minganense</i>	Mingan moonwort			2B.2	Lower montane coniferous forest, upper montane coniferous forest, bogs and fens, meadows and seeps. Creekbanks in mixed conifer forest. 3904 to 10810 ft in elevation. Blooms July-September.
<i>Botrychium montanum</i>	western goblin			2B.1	Old growth. Lower montane coniferous forest, upper montane coniferous forest, meadows and seeps. Creekbanks in old-growth forest. 4692 to 7972 ft in elevation. Blooms July-September.
<i>Brasenia schreberi</i>	watershield			2B.3	Freshwater marshes and swamps. Aquatic from water bodies both natural and artificial in California. 98 to 7218 ft in elevation. Blooms June-September.
<i>Calochortus clavatus</i> var. <i>avius</i>	Pleasant Valley mariposa-lily			1B.2	Lower montane coniferous forest. Josephine silt loam and volcanically derived soil; often in rocky areas. 984 to 5610 ft in elevation. Blooms May-July.
<i>Calochortus excavatus</i>	Inyo County star-tulip			1B.1	Chenopod scrub, meadows and seeps (alkaline). Mostly on fine, sandy loam soils with alkaline salts; grassy meadows in shadscale scrub. 394 to 7201 ft in elevation. Blooms April-July.
<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernal moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
<i>Calochortus striatus</i>	alkali mariposa-lily			1B.2	Chaparral, chenopod scrub, Mojavean desert scrub, meadows and seeps. Alkaline meadows and ephemeral washes. 230 to 7251 ft in elevation. Blooms April-June.
<i>Calochortus westonii</i>	Shirley Meadows star-tulip			1B.2	Broadleaved upland forest, lower montane coniferous forest, meadows and seeps. Meadows, open woodlands; granite substrates. 4970 to 6808 ft in elevation. Blooms May-June.
<i>Calyptidium pygmaeum</i>	pygmy pussypaws			1B.2	Upper montane coniferous forest, subalpine coniferous forest. Sandy or gravelly sites. 6496 to 10203 ft in elevation. Blooms June-August.
<i>Calystegia vanzuukiae</i>	Van Zuuk's morning-glory			1B.3	Chaparral, cismontane woodland. Gabbro, serpentinite. 1640 to 3871 ft in elevation. Blooms May-August.
<i>Camissonia integrifolia</i>	Kern River evening-primrose			1B.3	Chaparral. 2493 to 3002 ft in elevation. Blooms (April), May.
<i>Camissonia sierrae</i> ssp. <i>alticola</i>	Mono Hot Springs evening-primrose			1B.2	Upper montane coniferous forest, lower montane coniferous forest. In sand or gravel over granite in mixed conifer forest; with <i>Gayophytum</i> , <i>Collinsia</i> , etc. 3396 to 7907 ft in elevation. Blooms May-August.
<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort			1B.2	Chaparral, lower montane coniferous forest. Serpentine outcrops and gravelly serpentine talus. 984 to 3117 ft in elevation. Blooms February-May.
<i>Carex cyrtostachya</i>	Sierra arching sedge			1B.2	Lower montane coniferous forest, riparian forest, marshes and swamps, meadows and seeps. Mesic sites. 1985 to 4560 ft in elevation. Blooms May-August.
<i>Carex davyi</i>	Davy's sedge			1B.3	Subalpine coniferous forest, upper montane coniferous forest. 4790 to 10597 ft in elevation. Blooms May-August.
<i>Carex lasiocarpa</i>	woolly-fruited sedge			2B.3	Bogs and fens, marshes and swamps. Sphagnum bogs, freshwater marsh, lake margins. 1969 to 6398 ft in elevation. Blooms June-July.
<i>Carex limosa</i>	mud sedge			2B.2	Bogs and fens, lower montane coniferous forest, meadows and seeps, marshes and swamps, upper montane coniferous forest. In floating bogs and soggy meadows and edges of lakes. 4495 to 9154 ft in elevation. Blooms June-August.
<i>Carex scirpoidea</i> ssp. <i>pseudoscirpoidea</i>	western single-spiked sedge			2B.2	Limestone, wetland. Alpine boulder and rock field, meadows and seeps, subalpine coniferous forest. Often on limestone; mesic sites. 6988 to 12008 ft in elevation. Blooms July-September.
<i>Carex sheldonii</i>	Sheldon's sedge			2B.2	Wetland Lower montane coniferous forest, marshes and swamps, riparian scrub. Mesic sites; along creeks and in wet meadows. 3937 to 6611 ft in elevation. Blooms May-August.
<i>Carex vallicola</i>	western valley sedge			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 5003 to 9203 ft in elevation. Blooms July-August.

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<i>Carex xerophila</i>	chaparral sedge			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Serpentine, gabbroic. 902 to 2526 ft in elevation. Blooms March-June.
<i>Castilleja lassenensis</i>	Lassen paintbrush			1B.3	Subalpine coniferous forest, meadows and seeps. Volcanic. 3133 to 10236 ft in elevation. Blooms June-September.
<i>Chlorogalum grandiflorum</i>	Red Hills soaproot			1B.2	Cismontane woodland, chaparral, lower montane coniferous forest. Occurs frequently on serpentine or gabbro, but also on non-ultramafic substrates; often on "historically disturbed" sites. 804 to 4068 ft in elevation. Blooms May-June.
<i>Cinna bolanderi</i>	Bolander's woodreed			1B.2	Meadows and seeps, upper montane coniferous forest. Streamsides and other mesic areas. 3986 to 7283 ft in elevation. Blooms July-September.
<i>Clarkia australis</i>	Small's southern clarkia			1B.2	Cismontane woodland, lower montane coniferous forest. Open, rocky sites in conifer forest or oak woodland. 2986 to 6808 ft in elevation. Blooms May-August.
<i>Clarkia biloba</i> ssp. <i>australis</i>	Mariposa clarkia			1B.2	Chaparral, cismontane woodland. On serpentine. Several sites occur in the foothill woodland/riparian ecotone. 394 to 4806 ft in elevation. Blooms April-July.
<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia			1B.2	Chaparral, cismontane woodland. Dry, grassy openings in chaparral or foothill woodland. Sometimes on serpentine. 689 to 3609 ft in elevation. Blooms May-July.
<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia			1B.3	Cismontane woodland, lower montane coniferous forest. On decomposed granite; sometimes on roadsides. 804 to 5610 ft in elevation. Blooms May-August.
<i>Clarkia mosquinii</i>	Mosquin's clarkia			1B.1	Cismontane woodland, lower montane coniferous forest. Usually on steep, rocky cutbanks and slopes. 607 to 4003 ft in elevation. Blooms May-July (September).
<i>Clarkia rostrata</i>	beaked clarkia			1B.3	Cismontane woodland, valley and foothill grassland. North-facing slopes; sometimes on sandstone. 197 to 3002 ft in elevation. Blooms April-May.
<i>Claytonia umbellata</i>	Great Basin claytonia			2B.3	Subalpine coniferous forest. Talus slopes, stony flats, crevices. 5594 to 11483 ft in elevation. Blooms May-August.
<i>Collomia rawsoniana</i>	Rawson's flaming trumpet			1B.2	Riparian forest, lower montane coniferous forest, meadows and seeps. On stabilized alluvium in riparian zones. 2559 to 6808 ft in elevation. Blooms July-August.
<i>Corallorhiza trifida</i>	northern coralroot			2B.1	Lower montane coniferous forest, meadows and seeps. Wet, open to shaded, generally coniferous forest. In California, under firs, in partial shade. 3986 to 5709 ft in elevation. Blooms June-July.
<i>Cordylanthus eremicus</i> ssp. <i>kernensis</i>	Kern Plateau bird's-beak			1B.3	Upper montane coniferous forest, pinyon and juniper woodland, Great Basin scrub, Joshua tree woodland. 5988 to 9810 ft in elevation. Blooms (May), July-September.
<i>Crepis runcinata</i>	fiddleleaf hawksbeard			2B.2	Mojavean desert scrub, pinyon and juniper woodland. Moist, alkaline valley bottoms. 1247 to 10203 ft in elevation. Blooms May-August.
<i>Cryptantha clokeyi</i>	Clokey's cryptantha			1B.2	Mojavean desert scrub. Sandy or gravelly soils. 2379 to 4478 ft in elevation. Blooms April.
<i>Cryptantha incana</i>	Tulare cryptantha			1B.3	Lower montane coniferous forest. Gravelly or rocky sites. 4790 to 9350 ft in elevation. Blooms June-August.
<i>Cymopterus globosus</i>	globose cymopterus			2B.2	Great Basin scrub. Sandy, open flats. 3937 to 7005 ft in elevation. Blooms March-June.
<i>Delphinium purpusii</i>	rose-flowered larkspur			1B.3	Chaparral, cismontane woodland, pinyon-juniper woodland. On shady rocky slopes; often on carbonates. 984 to 4396 ft in elevation. Blooms (March), April-May.
<i>Delphinium recurvatum</i>	recurved larkspur			1B.2	Chenopod scrub, valley and foothill grassland, cismontane woodland. On alkaline soils; often in valley saltbush or valley chenopod scrub. 10 to 2592 ft in elevation. Blooms March-June.
<i>Diplacus pictus</i>	calico monkeyflower			1B.2	Broadleaved upland forest, cismontane woodland. In bare ground around gooseberry bushes or around granite rock outcrops. 328 to 4692 ft in elevation. Blooms March-May.
<i>Diplacus pulchellus</i>	yellow-lip pansy monkeyflower			1B.2	Lower montane coniferous forest, meadows and seeps. Vernal wet sites. Soils can be clay, volcanic, or granitic. 2198 to 6398 ft in elevation. Blooms April-July.
<i>Downingia laeta</i>	Great Basin downingia			2B.2	Great Basin scrub, meadows and seeps, freshwater marshes, pinyon-juniper woodland, vernal pools. In mesic sites or wetlands. 4003 to 7218 ft in elevation. Blooms May-July.
<i>Dryopteris filix-mas</i>	male fern			2B.3	Upper montane coniferous forest. In granite crevices. 148 to 3281 ft in elevation. Blooms July-September.
<i>Dudleya cymosa</i> ssp. <i>costatifolia</i>	Pierpoint Springs dudleya			1B.2	Chaparral, cismontane woodland. On limestone on S-facing slope w/ Arabis, Cercocarpus, Fremontodendron, etc. 4708 to 5249 ft in elevation. Blooms May-July.
<i>Entosthodon kochii</i>	Koch's cord moss			1B.3	Cismontane woodland. Moss growing on soil on river banks. 607 to 1198 ft in elevation. Blooms .
<i>Eremogone cliftonii</i>	Clifton's eremogone			1B.3	Lower montane coniferous forest, upper montane coniferous forest, chaparral. Openings; granitic substrates. 1460 to 5807 ft in elevation. Blooms April-September.
<i>Eremothera boothii</i> ssp. <i>intermedia</i>	Booth's hairy evening-primrose			2B.3	Great Basin scrub, pinyon and juniper woodland. Sandy sites. 2887 to 8809 ft in elevation. Blooms (May), June.
<i>Erigeron eatonii</i> var. <i>nevadincola</i>	Nevada daisy			2B.3	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Rocky sites. 4593 to 6398 ft in elevation. Blooms May-July.
<i>Erigeron inornatus</i> var. <i>keilii</i>	Keil's daisy			1B.3	Meadows and seeps, lower montane coniferous forest. Dry slopes, meadows, in coniferous forest. 2297 to 6004 ft in elevation. Blooms June-September.
<i>Erigeron lassenianus</i> var. <i>deficiens</i>	Plumas rayless daisy			1B.3	Lower montane coniferous forest. Gravelly, open sites. Sometimes on serpentine; sometimes on disturbed sites. 4446 to 6512 ft in elevation. Blooms June-September.
<i>Erigeron miser</i>	starved daisy			1B.3	Upper montane coniferous forest. Rocky, granitic outcrops. 5085 to 9104 ft in elevation. Blooms June-October.
<i>Erigeron multiceps</i>	Kern River daisy			1B.2	Upper montane coniferous forest, meadows and seeps. River banks and dry meadow borders; usually in open, grassy areas. 4921 to 8202 ft in elevation. Blooms June-September.
<i>Eriogonum kennedyi</i> var. <i>pinicola</i>	Kern buckwheat			1B.1	Chaparral, pinyon and juniper woodland. Open places on clay soil. 5397 to 6102 ft in elevation. Blooms May-June (July).
<i>Eriogonum luteolum</i> var. <i>saltuarium</i>	Jack's wild buckwheat			1B.2	Upper montane coniferous forest, Great Basin scrub. Sandy, granitic substrates. 5577 to 7874 ft in elevation. Blooms July-September.
<i>Eriogonum microthecum</i> var. <i>schoolcraftii</i>	Schoolcraft's wild buckwheat			1B.2	Pinyon and juniper woodland, Great Basin scrub. Sandy to rocky substrates. 4265 to 5741 ft in elevation. Blooms July-September.

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<i>Eriogonum nudum</i> var. <i>regirivum</i>	Kings River buckwheat			1B.2	Cismontane woodland. Rocky limestone slopes along the Kings River. 1099 to 6004 ft in elevation. Blooms August-November.
<i>Eriogonum ochrocephalum</i> var. <i>ochrocephalum</i>	ochre-flowered buckwheat			2B.2	Great Basin scrub, pinyon and juniper woodland. Volcanics or clay. 3937 to 7907 ft in elevation. Blooms May-June.
<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat			1B.2	Cismontane woodland, chaparral. Serpentinite. On slopes, in openings. 902 to 4856 ft in elevation. Blooms June-September.
<i>Eriogonum umbellatum</i> var. <i>torreyanum</i>	Donner Pass buckwheat			1B.2	Upper montane coniferous forest, meadows and seeps. Steep slopes and ridgetops; rocky, volcanic soils; usually in bare or sparsely vegetated areas. 6086 to 8596 ft in elevation. Blooms July-September.
<i>Eryngium pinnatisectum</i>	Tuolumne button-celery			1B.2	Vernal pools, cismontane woodland, lower montane coniferous forest. Volcanic soils; vernal pools and mesic sites within other natural communities. 230 to 3002 ft in elevation. Blooms May-August.
<i>Erythranthe filicaulis</i>	slender-stemmed monkeyflower			1B.2	Cismontane woodland, lower montane coniferous forest, meadows and seeps, upper montane coniferous forest. Within the transition zone of the Sierra Nevada; moist granitic sand and meadow edges; vernal mesic sites. 2034 to 5528 ft in elevation. Blooms April-August.
<i>Erythranthe filicifolia</i>	fern-leaved monkeyflower			1B.2	Chaparral, lower montane coniferous forest, meadows and seeps. Usually slow-draining, ephemeral seeps among exfoliating granitic slabs. 1362 to 5610 ft in elevation. Blooms April-June.
<i>Erythranthe gracilipes</i>	slender-stalked monkeyflower			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Disturbed places such as burns and RR grades; also on thin granitic soil in cracks in large granite rocks. 1640 to 4265 ft in elevation. Blooms April-June.
<i>Erythranthe marmorata</i>	Stanislaus monkeyflower			1B.1	Cismontane woodland, lower montane coniferous forest. 328 to 2953 ft in elevation. Blooms March-May.
<i>Erythranthe shevockii</i>	Kelso Creek monkeyflower			1B.2	Joshua tree woodland, pinyon and juniper woodland. Mostly known from Joshua tree-xeric conifer woodland in the high desert, in loose, granitic sandy soil. 2625 to 4396 ft in elevation. Blooms March-May.
<i>Erythronium tuolumnense</i>	Tuolumne fawn lily			1B.2	Broadleaved upland forest, chaparral, cismontane woodland, lower montane coniferous forest. Often on clay soils; on cliffs and near drainages. 1591 to 4610 ft in elevation. Blooms March-June.
<i>Fimbristylis thermalis</i>	hot springs fimbriatylis			2B.2	Meadows and seeps (alkaline). Near hot springs. 377 to 5200 ft in elevation. Blooms July-September.
<i>Fissidens pauperculus</i>	minute pocket moss			1B.2	Redwood. North coast coniferous forest. Moss growing on damp soil along the coast. In dry streambeds and on stream banks. 33 to 3360 ft in elevation. Blooms .
<i>Frangula purshiana</i> ssp. <i>ultramafica</i>	Caribou coffeeberry			1B.2	Lower montane coniferous forest, upper montane coniferous forest, chaparral, meadows and seeps. On serpentine. 2379 to 6004 ft in elevation. Blooms May-July.
<i>Fritillaria brandegeei</i>	Greenhorn fritillary			1B.3	Lower montane coniferous forest. Loamy, granitic soils; often in mixed conifer-black oak community. 1591 to 7201 ft in elevation. Blooms April-June.
<i>Galium angustifolium</i> ssp. <i>onycense</i>	Onyx Peak bedstraw			1B.3	Cismontane woodland, pinyon juniper woodland. Grows from under and between large granite rocks and outcrops with scattered gray pines and oaks. 2822 to 7546 ft in elevation. Blooms April-July.
<i>Geum aleppicum</i>	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
<i>Githopsis tenella</i>	delicate bluecup			1B.3	Chaparral, cismontane woodland. Mesic sites. 3609 to 6234 ft in elevation. Blooms April-June.
<i>Glyceria grandis</i>	American manna grass			2B.3	Bogs and fens, meadows and seeps, marshes and swamps. Wet meadows, ditches, streams, and ponds, in valleys and lower elevations in the mountains. 197 to 6709 ft in elevation. Blooms June-August.
<i>Hackelia sharsmithii</i>	Sharsmith's stickseed			2B.3	Subalpine coniferous forest, alpine boulder and rock fields. Cracks, crevices in granite cliffs; large boulder talus. 9990 to 11909 ft in elevation. Blooms July-September.
<i>Hemieva ranunculifolia</i>	buttercup-leaf suksdorfia			2B.2	Upper montane coniferous forest, meadows and seeps. Mesic sites; rocky. 4921 to 8202 ft in elevation. Blooms June-August.
<i>Hesperocyparis nevadensis</i>	Piute cypress			1B.2	Closed-cone coniferous forest, chaparral, cismontane woodland, pinyon-juniper woodland. On dry slopes; known from granodiorite, gabbro and limestone. 2362 to 6004 ft in elevation. Blooms .
<i>Horkelia parryi</i>	Parry's horkelia			1B.2	lone formation. Chaparral, cismontane woodland. Openings in chaparral or woodland; especially known from the lone formation in Amador County. 279 to 3658 ft in elevation. Blooms April-September.
<i>Horkelia tularensis</i>	Kern Plateau horkelia			1B.3	Upper montane coniferous forest. Metamorphic gravel along an exposed ridge top. 7530 to 9810 ft in elevation. Blooms (May), June-August.
<i>Hosackia oblongifolia</i> var. <i>cuprea</i>	copper-flowered bird's-foot trefoil			1B.3	Meadows, upper montane coniferous forest (mesic). Wet meadow borders. 7874 to 9022 ft in elevation. Blooms June-August.
<i>Hulsea brevifolia</i>	short-leaved hulsea			1B.2	Lower montane coniferous forest, upper montane coniferous forest. Granitic or volcanic soil of forest openings and road cuts. 4921 to 10499 ft in elevation. Blooms May-August.
<i>Hymenoxys lemmonii</i>	alkali hymenoxys			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps. Subalkaline soils. 2641 to 9006 ft in elevation. Blooms June-August (September).
<i>Iris hartwegii</i> ssp. <i>columbiana</i>	Tuolumne iris			1B.2	Cismontane woodland, lower montane coniferous forest. 1394 to 4593 ft in elevation. Blooms May-June.
<i>Iris munzii</i>	Munz's iris			1B.3	Cismontane woodland. Granitic moist sandy loam soil, often along streams. 1001 to 2625 ft in elevation. Blooms March-April (May).
<i>Ivesia aperta</i> var. <i>aperta</i>	Sierra Valley ivesia			1B.2	Great Basin scrub, pinyon and juniper woodland, lower montane coniferous forest, meadows and seeps. Usually in loamy soils derived from volcanics. Grassy areas w/in sagebrush scrub or other communities. 4856 to 7546 ft in elevation. Blooms June-September.
<i>Ivesia campestris</i>	field ivesia			1B.2	Subalpine coniferous forest, upper montane coniferous forest, meadows and seeps. Meadow edges. 6480 to 11138 ft in elevation. Blooms May-August.
<i>Ivesia sericoleuca</i>	Plumas ivesia			1B.2	Wetland Great Basin scrub, lower montane coniferous forest, meadows and seeps, vernal pools. Vernal mesic areas; usually volcanic substrates. 4314 to 7005 ft in elevation. Blooms May-October.
<i>Juncus dudleyi</i>	Dudley's rush			2B.3	Lower montane coniferous forest (mesic). Wet areas in forest. 1493 to 6562 ft in elevation. Blooms July-August.

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<i>Juncus luciensis</i>	Santa Lucia dwarf rush			1B.2	Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub. Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 984 to 6693 ft in elevation. Blooms April-July.
<i>Kobresia myosuroides</i>	seep kobresia			2B.2	Alpine boulder and rock field (mesic), meadows and seeps, subalpine coniferous forest. Moist places in alpine and subalpine meadows; can be on limestone substrate. 4888 to 10499 ft in elevation. Blooms (June), Aug.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields			1B.1	Alkali playa, wetland. Coastal salt marshes, playas, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 3 to 4511 ft in elevation. Blooms February-June.
<i>Layia heterotricha</i>	pale-yellow layia			1B.1	Cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Alkaline or clay soils; open areas. 295 to 5906 ft in elevation. Blooms March-June.
<i>Leptosiphon serrulatus</i>	Madera leptosiphon			1B.2	Cismontane woodland, lower montane coniferous forest. Dry slopes; often on decomposed granite in woodland. 984 to 4265 ft in elevation. Blooms April-May.
<i>Lewisia cantelovii</i>	Cantelow's lewisia			1B.2	Broadleaved upland forest, lower montane coniferous forest, cismontane woodland, chaparral. Mesic rock outcrops and wet cliffs, usually in moss or clubmoss; on granitics or sometimes on serpentine. 1083 to 4495 ft in elevation. Blooms May-October.
<i>Lewisia serrata</i>	saw-toothed lewisia			1B.1	Broadleaved upland forest, lower montane coniferous forest, riparian forest. Shaded, north-facing moss-covered, metamorphic rock cliffs. 2953 to 4708 ft in elevation. Blooms May-June.
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i>	sagebrush loeflingia			2B.2	Great Basin scrub, Sonoran desert scrub, desert dunes. Sandy flats and dunes. Sandy areas around clay slicks w/Sarcobatus, Atriplex, Tetradymia, etc. 2297 to 5299 ft in elevation. Blooms April-May.
<i>Lomatium roseanum</i>	adobe lomatium			1B.2	Lower montane coniferous forest, Great Basin scrub. Rocky, gravelly openings. 5873 to 7398 ft in elevation. Blooms May-July.
<i>Lomatium stebbinsii</i>	Stebbins' lomatium			1B.1	Lower montane coniferous forest, chaparral. Thin, gravelly volcanic clay in open yellow pine forest. Grows where other vegetation is absent. 3740 to 7710 ft in elevation. Blooms March-May.
<i>Lupinus citrinus</i> var. <i>citrinus</i>	orange lupine			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Rocky, decomposed granitic outcrops, usually open areas, on flat to rolling terrain. 1969 to 5577 ft in elevation. Blooms April-July.
<i>Lupinus duranii</i>	Mono Lake lupine			1B.2	Great Basin scrub, subalpine coniferous forest, upper montane coniferous forest. Pumice sand flats, coarse barren soils of volcanic origin. 2493 to 10007 ft in elevation. Blooms May-August.
<i>Lupinus gracilentus</i>	slender lupine			1B.3	Subalpine coniferous forest. Semi-moist shaded areas. 8202 to 11483 ft in elevation. Blooms July-August.
<i>Lupinus magnificus</i> var. <i>hesperius</i>	Mcgee Meadows lupine			1B.3	Great Basin scrub, upper montane coniferous forest. Sandy substrates. 4134 to 6004 ft in elevation. Blooms April-June.
<i>Lupinus spectabilis</i>	shaggyhair lupine			1B.2	Chaparral, cismontane woodland. Open rocky slopes of serpentine. Mostly on serpentine chaparral surrounded by gray pine woodland. 853 to 2707 ft in elevation. Blooms April-May.
<i>Lycopodiella inundata</i>	inundated bog-clubmoss			2B.2	Bogs and fens, lower montane coniferous forest, marshes and swamps. Peat bogs, muddy depressions, pond margins. 148 to 4019 ft in elevation. Blooms June-September.
<i>Meesia uliginosa</i>	broad-nerved hump moss			2B.2	Meadows and seeps, bogs and fens, upper montane coniferous forest, subalpine coniferous forest. Moss on damp soil. Often found on the edge of fens or raised above the fen on hummocks/shrub bases. 3593 to 9203 ft in elevation. Blooms July-October.
<i>Mentzelia inyoensis</i>	Inyo blazing star			1B.3	Great Basin scrub, pinyon-juniper woodland. Rocky sites. 3789 to 6496 ft in elevation. Blooms April-October.
<i>Mentzelia torreyi</i>	Torrey's blazing star			2B.2	Great Basin scrub, Mojavean desert scrub, pinyon-juniper woodland. Sandy or rocky sites; alkaline, usually volcanic soils. 3839 to 9301 ft in elevation. Blooms June-August.
<i>Mertensia oblongifolia</i> var. <i>oblongifolia</i>	sagebrush bluebells			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps, subalpine coniferous forest. Usually in mesic sites. 3281 to 9843 ft in elevation. Blooms April-July.
<i>Mielichhoferia shevockii</i>	Shevock's copper moss			1B.2	Cismontane woodland. Moss on metamorphic rocks containing heavy metals; mesic sites. On rocks along roads, in same habitat as <i>Mielichhoferia elongata</i> . 2461 to 4593 ft in elevation. Blooms .
<i>Monardella follettii</i>	Follett's monardella			1B.2	Lower montane coniferous forest. Open rocky serpentine slopes. 1969 to 6562 ft in elevation. Blooms June-September.
<i>Monardella linoidea</i> ssp. <i>oblonga</i>	Tehachapi monardella			1B.3	Lower montane coniferous forest, upper montane coniferous forest, pinyon-juniper woodland. On dry slopes of yellow pine forest, decomposed granitic soils; also in roadside disturbed areas. 2953 to 8104 ft in elevation. Blooms June-August.
<i>Monardella stebbinsii</i>	Stebbins' monardella			1B.2	Broadleaved upland forest, chaparral, lower montane coniferous forest. On steep, loose slopes of generally reddish serpentine talus and boulders. 2493 to 6102 ft in elevation. Blooms July-September.
<i>Navarretia peninsularis</i>	Baja navarretia			1B.2	Lower montane coniferous forest, chaparral, meadows and seeps, pinyon and juniper woodland. Wet areas in open forest. 3773 to 7759 ft in elevation. Blooms (May), June-August.
<i>Navarretia setiloba</i>	Piute Mountains navarretia			1B.1	Cismontane woodland, pinyon and juniper woodland, valley and foothill grassland. Red clay soils, or on gravelly loam. 591 to 5397 ft in elevation. Blooms April-July.
<i>Oreostemma elatum</i>	tall alpine-aster			1B.2	Bogs and fens, meadows and seeps, upper montane coniferous forest. Mesic sites. 3789 to 6709 ft in elevation. Blooms June-August.
<i>Orobanche ludoviciana</i> var. <i>arenosa</i>	Suksdorf's broom-rape			2B.3	Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October).
<i>Orthotrichum holzingeri</i>	Holzinger's orthotrichum moss			1B.3	Cismontane woodland, lower montane coniferous forest, upper montane coniferous forest, pinyon-juniper woodland. Usually on rock in and along streams, rarely on tree limbs. 2346 to 5906 ft in elevation. Blooms .
<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Rose's ragwort			1B.2	Cismontane woodland, lower montane coniferous forest, chaparral. Steep slopes and in canyons in serpentine soil, often along or near roads. 902 to 6201 ft in elevation. Blooms March-July (August),(September).
<i>Packera indecora</i>	rayless mountain ragwort			2B.2	Meadows and seeps. Mesic sites. 5249 to 6562 ft in elevation. Blooms July-August.
<i>Parnassia parviflora</i>	small-flowered grass-of-Parnassus			2B.2	Meadows and seeps. Wet areas, rocky seeps. 6594 to 9104 ft in elevation. Blooms August-September.
<i>Penstemon personatus</i>	closed-throated beardtongue			1B.2	Lower montane coniferous forest, upper montane coniferous forest, chaparral. Usually on N-facing slopes in metavolcanic soils. 3494 to 6955 ft in elevation. Blooms June-September (October).

Table 13a Special-Status Plant Species Known or with Potential to Occur in the Sierra Nevada Ecological Section (M261E) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Penstemon sudans</i>	Susanville beardtongue			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Volcanic rocky sites. 4199 to 7972 ft in elevation. Blooms June-July (August),(September).
<i>Phacelia nashiana</i>	Charlotte's phacelia			1B.2	Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland. Granitic soils; sandy or rocky areas on steep slopes or flats. 1099 to 7152 ft in elevation. Blooms March-June.
<i>Phacelia novenmillensis</i>	Nine Mile Canyon phacelia			1B.2	Broadleafed upland forest, pinyon and juniper woodland, upper montane coniferous forest, cismontane woodland. Dry disturbed banks, granitic or metamorphic soils; sandy or gravelly sites. 5397 to 8661 ft in elevation. Blooms (February), May-June.
<i>Phacelia stebbinsii</i>	Stebbins' phacelia			1B.2	Lower montane coniferous forest, cismontane woodland, meadows and seeps. Among rocks and rubble on metamorphic rock benches. 2001 to 6594 ft in elevation. Blooms May-July.
<i>Plagiobothrys torreyi</i> var. <i>torreyi</i>	Yosemite popcornflower			1B.2	Lower montane coniferous forest, meadows and seeps. 3556 to 6890 ft in elevation. Blooms April-June.
<i>Platanthera yosemitensis</i>	Yosemite bog orchid			1B.2	Meadows and seeps. Mesic areas. Granite substrates. 6890 to 7497 ft in elevation. Blooms July-August.
<i>Poa sierrae</i>	Sierra blue grass			1B.3	Lower montane coniferous forest. Shady, moist, rocky slopes. Often in canyons. 1198 to 4921 ft in elevation. Blooms April-July.
<i>Pohlia flexuosa</i>	flexuose threadmoss			2B.1	Lower montane coniferous forest. Roadsides, rocky seeps. 3117 to 3363 ft in elevation.
<i>Pohlia tundrae</i>	tundra thread moss			2B.3	Alpine boulder and rock field. Moss growing on gravelly, damp soil. 8858 to 9843 ft in elevation.
<i>Polygonum polygaloides</i> ssp. <i>esotericum</i>	Modoc County knotweed			1B.3	Wetland Great Basin scrub, vernal pools, lower montane coniferous forest, meadows and seeps. Edges of seasonal lakes and ponds with <i>Deschampsia</i> , <i>Navarretia</i> , etc. 2904 to 5545 ft in elevation. Blooms May-September.
<i>Potamogeton epiphydus</i>	Nuttall's ribbon-leaved pondweed			2B.2	Marshes and swamps. Shallow water, ponds, lakes, streams, irrigation ditches. 968 to 8661 ft in elevation. Blooms (June), July-September.
<i>Potamogeton praelongus</i>	white-stemmed pondweed			2B.3	Marshes and swamps. Deep water, lakes. 5906 to 9843 ft in elevation. Blooms July-August.
<i>Potamogeton robbinsii</i>	Robbins' pondweed			2B.3	Marshes and swamps. Deep water, lakes. 5020 to 10827 ft in elevation. Blooms July-August.
<i>Pyrocoma lucida</i>	sticky pyrocoma			1B.2	Lower montane coniferous forest, meadows and seeps, Great Basin scrub. Alkaline flats, clay soils. 2493 to 6857 ft in elevation. Blooms July-October.
<i>Ranunculus hydrocharoides</i>	frog's-bit buttercup			2B.1	Marshes and swamps. In or bordering shallow springs or freshwater marshes in the mountains. 4134 to 7612 ft in elevation. Blooms (May), June-September.
<i>Rhamnus alnifolia</i>	alder buckthorn			2B.2	Meadows and seeps, lower montane coniferous forest, upper montane coniferous forest, riparian scrub. Mesic sites. 4692 to 7005 ft in elevation. Blooms May-July.
<i>Rhynchospora alba</i>	white beaked-rush			2B.2	Bogs and fens, meadows and seeps, marshes and swamps. Freshwater marshes and sphagnum bogs. 197 to 6693 ft in elevation. Blooms June-August.
<i>Rhynchospora capitellata</i>	brownish beaked-rush			2B.2	Lower montane coniferous forest, meadows and seeps, marshes and swamps, upper montane coniferous forest. Mesic sites. 148 to 5610 ft in elevation. Blooms July-August.
<i>Ribes menziesii</i> var. <i>ixoderme</i>	aromatic canyon gooseberry			1B.2	Chaparral, cismontane woodland. In forest openings. 2001 to 3806 ft in elevation. Blooms April.
<i>Ribes tularense</i>	Sequoia gooseberry			1B.3	Lower montane coniferous forest, upper montane coniferous forest. In sandy loam derived from granitics or deep clays. With <i>Abies</i> , <i>Pinus</i> , <i>Ribes</i> , etc. 4921 to 6808 ft in elevation. Blooms May.
<i>Rupertia hallii</i>	Hall's rupertia			1B.2	Cismontane woodland, lower montane coniferous forest. On disturbed soils of roadsides and logged forests. 1788 to 4757 ft in elevation. Blooms June-August (September).
<i>Sagittaria sanfordii</i>	Sanford's arrowhead			1B.2	Marshes and swamps. In standing or slow-moving freshwater ponds, marshes, and ditches. 0 to 2133 ft in elevation. Blooms May-October (November).
<i>Salix nivalis</i>	snow willow			2B.3	Alpine dwarf scrub. Lakeshores and streamsides. 9039 to 11499 ft in elevation. Blooms July-August.
<i>Saltugilia latimeri</i>	Latimer's woodland-gilia			1B.2	Chaparral, Mojavean desert scrub, pinyon and juniper woodland. Rocky or sandy substrate; sometimes in washes, sometimes limestone. 394 to 7218 ft in elevation. Blooms March-June.
<i>Schoenoplectus subterminalis</i>	water bulrush			2B.3	Marshes and swamps, bogs and fens. Montane lake margins, in shallow water. 2461 to 7382 ft in elevation. Blooms June-August (September).
<i>Scutellaria galericulata</i>	marsh skullcap			2B.2	Marshes and swamps, lower montane coniferous forest, meadows and seeps. Swamps and wet places. 0 to 6398 ft in elevation. Blooms June-September.
<i>Sedum albomarginatum</i>	Feather River stonecrop			1B.2	Chaparral, lower montane coniferous forest. In crevices and on ledges of serpentine outcrops and slopes. 853 to 6398 ft in elevation. Blooms May-June.
<i>Sidalcea multifida</i>	cut-leaf checkerbloom			2B.3	Lower montane coniferous forest, meadows and seeps, Great Basin scrub, pinyon and juniper woodland. 5741 to 9186 ft in elevation. Blooms May-September.
<i>Sphaeralcea munroana</i>	Munro's desert mallow			2B.2	Great Basin scrub. 6562 to 6562 ft in elevation. Blooms May-June.
<i>Sphenopholis obtusata</i>	prairie wedge grass			2B.2	Cismontane woodland, meadows and seeps. Open moist sites, along rivers and springs, alkaline desert seeps. 984 to 6562 ft in elevation. Blooms April-July.
<i>Stachys pilosa</i>	hairy marsh hedge-nettle			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 2575 to 6709 ft in elevation. Blooms June-August.
<i>Streptanthus cordatus</i> var. <i>piutensis</i>	Piute Mountains jewelflower			1B.2	Broadleafed upland forests, closed-cone coniferous forest, pinyon and juniper woodland. Along road banks and cliffs, metamorphic-red clay soils. 3986 to 6201 ft in elevation. Blooms May-July.
<i>Streptanthus oliganthus</i>	Masonic Mountain jewelflower			1B.2	Pinyon and juniper woodland. Volcanic or decomposed granite soils, along roadsides and in old mine dumps. 6496 to 10007 ft in elevation. Blooms June-July.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	slender-leaved pondweed			2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.
<i>Suaeda occidentalis</i>	western seablite			2B.3	Great Basin scrub. Alkaline soils; mesic sites. 3986 to 4413 ft in elevation. Blooms July-September.

Table 13a Special-Status Plant Species Known or with Potential to Occur in the Sierra Nevada Ecological Section (M261E) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Tauschia howellii</i>	Howell's tauschia			1B.3	Subalpine coniferous forest, upper montane coniferous forest. Hot dry ridge summits and slopes in decomposed granite gravel and red sand. 5643 to 8005 ft in elevation. Blooms June-August.
<i>Thelypodium integrifolium</i> ssp. <i>complanatum</i>	foxtail thelypodium			2B.2	Great Basin scrub, meadows and seeps. Alkaline or subalkaline soils; mesic sites. 3806 to 8005 ft in elevation. Blooms June-October.
<i>Trifolium bolanderi</i>	Bolander's clover			1B.2	Meadows and seeps, lower montane coniferous forest, upper montane coniferous forest. Moist mountain meadows. 6690 to 8530 ft in elevation. Blooms June-August.
<i>Trifolium gymnocarpon</i> ssp. <i>plummerae</i>	Plummer's clover			2B.3	Great Basin scrub, pinyon and juniper woodland. 4790 to 6299 ft in elevation. Blooms May-June.
<i>Triglochin palustris</i>	marsh arrow-grass			2B.3	Meadows and seeps, freshwater marsh, subalpine coniferous forest. Mesic sites. 7497 to 12139 ft in elevation. Blooms July-August.
<i>Triteleia piutensis</i>	Piute Mountains triteleia			1B.1	Pinyon and juniper woodland. Openings. Fine volcanic soil throughout scattered boulders or heavy clay soil with volcanic hardpan. 5200 to 5430 ft in elevation. Blooms May-June.
<i>Utricularia intermedia</i>	flat-leaved bladderwort			2B.2	Bogs and fens, meadows and seeps, marshes and swamps, vernal pools. Mesic meadows, lake margins, marshes, fens. 2198 to 8711 ft in elevation. Blooms July-August.
<i>Viburnum ellipticum</i>	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.
<i>Viola pinetorum</i> ssp. <i>grisea</i>	grey-leaved violet			1B.3	Subalpine coniferous forest, upper montane coniferous forest, meadows and seeps. Dry mountain peaks and slopes. 5184 to 12139 ft in elevation. Blooms April-July.
<i>Viola purpurea</i> ssp. <i>aurea</i>	golden violet			2B.2	Great Basin scrub, pinyon-juniper woodland. Dry, sandy slopes. 3281 to 8202 ft in elevation. Blooms April-June.

Listing Status
 E = Endangered
 T = Threatened
 R = Rare

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare 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

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 – Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 13b Special-Status Wildlife Species Known or with Potential to Occur in the Sierra Nevada Ecological Section (M261E)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																										Total Acreage of Associated CWHR Types within the Treatable Landscape ¹									
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Desert Scrub	Douglas Fir	Eastside Pine	Jeffrey Pine	Joshua Tree	Juniper	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Ponderosa Pine	Red Fir		Sagebrush	Sierran Mixed Conifer	Subalpine Conifer	Valley Foothill Riparian	Valley Oak Woodland	White Fir			
Amphibians																																							
Federal and State Listed/CDFW Fully Protected																																							
<i>Ambystoma californiense</i>	California tiger salamander ²	T	T		X			X	X	X									X		X	X	X			X			X	X								1,146	
<i>Anaxyrus canorus</i>	Yosemite toad	T	SC		X	X	X							X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X				X		15,540	
<i>Batrachoseps simatus</i>	Kern Canyon slender salamander		T		X			X	X							X			X		X	X			X													<1	
<i>Batrachoseps stebbinsi</i>	Tehachapi slender salamander		T		X			X	X							X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			118,962	
<i>Hydromantes brunus</i>	limestone salamander		T FP		X			X	X	X	X								X	X	X	X	X			X					X	X	X	X	X			18,538	
<i>Rana boylei</i>	foothill yellow-legged frog ²		C SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		1,463,894
<i>Rana cascadae</i>	Cascades frog ²		C SC		X	X			X				X		X			X	X	X	X	X	X	X	X		X	X	X	X	X					X		50,881	
<i>Rana draytonii</i>	California red-legged frog ²	T	SC		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		1,105,052
<i>Rana muscosa</i>	southern mountain yellow-legged frog ²	E	E		X			X	X	X				X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		21,675	
<i>Rana sierrae</i>	Sierra Nevada yellow-legged frog ²	E	T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		793,509
CDFW Species of Special Concern																																							
<i>Ambystoma macrodactylum sigillatum</i>	southern long-toed salamander ²		SC		X	X	X				X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		442,922	
<i>Batrachoseps relictus</i>	relictual slender salamander ²		SC		X			X	X					X					X	X	X	X	X			X										X		1,304	
<i>Lithobates pipiens</i>	northern leopard frog ²		SC	X	X	X	X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		31,689	
Birds																																							
Federal and State Listed/CDFW Fully Protected																																							
<i>Agelaius tricolor</i>	tricolored blackbird		E SC	X	X	X	X	X	X	X			X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		28,578	
<i>Antigone canadensis tabida</i>	greater sandhill crane		T FP		X	X	X						X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X				X		292,287
<i>Aquila chrysaetos</i>	golden eagle		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		2,138,620
<i>Buteo swainsoni</i>	Swainson's hawk		T	X	X	X	X	X	X			X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		18,730	
<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	T	E	X	X	X		X	X		X			X	X	X			X	X	X	X	X	X		X												22,629	
<i>Elanus leucurus</i>	white-tailed kite		FP		X			X	X	X			X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		1	
<i>Empidonax traillii</i>	willow flycatcher		E	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		725,958
<i>Empidonax traillii extimus</i>	southwestern willow flycatcher	E	E	X	X	X	X	X	X	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		90,315
<i>Falco peregrinus anatum</i>	American peregrine falcon		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		2,138,620
<i>Gymnogyps californianus</i>	California condor	E	E FP		X			X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		233,694	
<i>Haliaeetus leucocephalus</i>	bald eagle		E FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		2,138,104

Table 13b Special-Status Wildlife Species Known or with Potential to Occur in the Sierra Nevada Ecological Section (M261E)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																										Total Acreage of Associated CWHR Types within the Treatable Landscape ¹							
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Desert Scrub	Douglas Fir	Eastside Pine	Jeffrey Pine	Joshua Tree	Juniper	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Ponderosa Pine	Red Fir		Sagebrush	Sierran Mixed Conifer	Subalpine Conifer	Valley Foothill Riparian	Valley Oak Woodland	White Fir	
<i>Euderma maculatum</i>	spotted bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,138,620
<i>Eumops perotis californicus</i>	western mastiff bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,403,444
<i>Lasiurus blossevillii</i>	western red bat		SC		X	X		X	X	X	X		X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,112,176	
<i>Lepus americanus tahoensis</i>	Sierra Nevada snowshoe hare		SC	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	634,181
<i>Lepus townsendii townsendii</i>	western white-tailed jackrabbit		SC	X	X	X	X					X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	311,179	
<i>Microtus californicus vallicola</i>	Owens Valley vole		SC	X	X	X	X					X		X				X	X	X	X		X	X		X									7,043		
<i>Onychomys torridus tularensis</i>	Tulare grasshopper mouse		SC	X	X							X														X									-		
<i>Perognathus alticola inexpectatus</i>	Tehachapi pocket mouse		SC	X	X		X	X	X			X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	112,469	
<i>Sorex lyelli</i>	Mount Lyell shrew		SC	X	X	X	X					X		X	X		X	X	X		X		X	X	X	X			X	X	X	X	X	X	6,372		
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,138,620	

Reptiles

Federal and State Listed/CDFW Fully Protected

<i>Gopherus agassizii</i>	desert tortoise	T	T	X	X		X	X	X			X	X			X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	34,294
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CDFW Species of Special Concern

<i>Anniella</i> sp.	California legless lizard		SC	X	X		X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	386,066
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,667,975
<i>Phrynosoma blainvillii</i>	coast horned lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	582,711
<i>Thamnophis hammondi</i>	two-striped garter snake ²		SC		X			X	X										X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	<1	

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate for listing
 FP = Fully Protected
 SC = CDFW Species of Special Concern

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.
² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.

Table 14a Special-Status Plant Species Known or with Potential to Occur in the Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Arctostaphylos myrtifolia</i>	lone manzanita	T		1B.2	lone formation. Chaparral, cismontane woodland. On lone clay with chaparral associates. Often comprises 50-80% cover. 295 to 1837 ft in elevation. Blooms November-March.
<i>Brodiaea insignis</i>	Kaweah brodiaea		E	1B.2	Cismontane woodland, meadows and seeps, valley and foothill grassland. Granite or clay soils on south to southwest facing slopes; usually in grassland surrounded by foothill woodland. 558 to 4610 ft in elevation. Blooms April-June.
<i>Brodiaea pallida</i>	Chinese Camp brodiaea	T	E	1B.1	Valley and foothill grassland, cismontane woodland. Often in rocky, intermittent streambeds. At least sometimes on serpentine. 541 to 1263 ft in elevation. Blooms May-June.
<i>Calyptridium pulchellum</i>	Mariposa pussypaws	T		1B.1	Cismontane woodland, chaparral. On granite domes, restricted to exposed sites. 1444 to 3412 ft in elevation. Blooms April-August.
<i>Calystegia stebbinsii</i>	Stebbins' morning-glory	E	E	1B.1	Chaparral, cismontane woodland. On red clay soils of the Pine Hill formation; gabbro or serpentine; open areas. 984 to 2379 ft in elevation. Blooms April-July.
<i>Carpenteria californica</i>	tree-anemone		T	1B.2	Cismontane woodland, chaparral. A very localized endemic found on well-drained granitic soils, mostly in north-facing ravines and drainages. 1099 to 4413 ft in elevation. Blooms (April), May-July.
<i>Castilleja campestris</i> var. <i>succulenta</i>	succulent owl's-clover	T	E	1B.2	Vernal pools, wetland. Moist places, often in acidic soils. 66 to 2313 ft in elevation. Blooms (March), April-May.
<i>Caulanthus californicus</i>	California jewelflower	E	E	1B.1	Chenopod scrub, valley and foothill grassland, pinyon and juniper woodland. Sandy soils. 213 to 6102 ft in elevation. Blooms February-May.
<i>Ceanothus roderickii</i>	Pine Hill ceanothus	E	R	1B.1	Chaparral, cismontane woodland. Gabbroic or serpentine soils; often in "historically disturbed" areas with an ensemble of other rare plants. 853 to 2067 ft in elevation. Blooms April-June.
<i>Clarkia springvillensis</i>	Springville clarkia	T	E	1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Cutbanks and openings in blue oak woodland. Decomposed granite loam. 787 to 4003 ft in elevation. Blooms (March), April-July.
<i>Deinandra mohavensis</i>	Mojave tarplant		E	1B.3	Riparian scrub, coastal scrub, chaparral. Low sand bars in river bed; mostly in riparian areas or in ephemeral grassy areas. 2100 to 5249 ft in elevation. Blooms (May), June-October (January).
<i>Eriastrum tracyi</i>	Tracy's eriastrum		R	3.2	Chaparral, cismontane woodland, valley and foothill grassland. Gravelly shale or clay; often in open areas. 1033 to 5299 ft in elevation. Blooms May-July.
<i>Eryngium racemosum</i>	Delta button-celery		E	1B.1	Riparian scrub. Seasonally inundated floodplain on clay. 3 to 1099 ft in elevation. Blooms June-October.
<i>Fremontodendron decumbens</i>	Pine Hill flannelbush	E	R	1B.2	Chaparral, cismontane woodland. Rocky ridges; gabbro or serpentine endemic; often among rocks and boulders. 1394 to 2510 ft in elevation. Blooms April-July.
<i>Fritillaria striata</i>	striped adobe-lily		T	1B.1	Cismontane woodland, valley and foothill grassland. Heavy clay adobe soils in oak grassland. 443 to 4790 ft in elevation. Blooms February-April.
<i>Galium californicum</i> ssp. <i>sierrae</i>	El Dorado bedstraw	E	R	1B.2	Cismontane woodland, chaparral, lower montane coniferous forest. In pine-oak woodland or chaparral. Restricted to gabbroic or serpentine soils. 427 to 1919 ft in elevation. Blooms May-June.
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop		E	1B.2	Marshes and swamps (freshwater), vernal pools. Clay soils; usually in vernal pools, sometimes on lake margins. 33 to 7792 ft in elevation. Blooms April-August.
<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	E	E	1B.1	Vernal pools, valley and foothill grassland, wetland. Wet or flowing drainages and depressions; often not in discrete vernal pools; soils are usually Redding clay with rocks. 148 to 3051 ft in elevation. Blooms March-May.
<i>Lupinus citrinus</i> var. <i>deflexus</i>	Mariposa lupine		T	1B.2	Chaparral, cismontane woodland. Decomposed granitic sand on hilltops and hillsides on western slope of the Sierra Nevada, mostly southern exposure. 1411 to 2247 ft in elevation. Blooms April-May.
<i>Monolopia congdonii</i>	San Joaquin woollythreads	E		1B.2	Chenopod scrub, valley and foothill grassland. Alkaline or loamy plains; sandy soils, often with grasses and within chenopod scrub. 180 to 2756 ft in elevation. Blooms February-May.
<i>Opuntia basilaris</i> var. <i>treleasei</i>	Bakersfield cactus	E	E	1B.1	Chenopod scrub, valley and foothill grassland, cismontane woodland. Coarse or cobbly well-drained granitic sand on bluffs, low hills, and flats, within grassland. 279 to 1804 ft in elevation. Blooms April-May.
<i>Orcuttia inaequalis</i>	San Joaquin Valley Orcutt grass	T	E	1B.1	Vernal pools, wetland. 33 to 2477 ft in elevation. Blooms April-September.
<i>Orcuttia tenuis</i>	slender Orcutt grass	T	E	1B.1	Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
<i>Packera layneae</i>	Layne's ragwort	T	R	1B.2	Chaparral, cismontane woodland. Ultramafic soil (serpentine or gabbro); occasionally along streams. 656 to 3560 ft in elevation. Blooms April-August.
<i>Pseudobahia bahiifolia</i>	Hartweg's golden sunburst	E	E	1B.1	Valley and foothill grassland, cismontane woodland. Clay soils, often acidic. Predominantly on the northern slopes of knolls, but also along shady creeks or near vernal pools. 197 to 558 ft in elevation. Blooms March-April.
<i>Pseudobahia peirsonii</i>	San Joaquin adobe sunburst	T	E	1B.1	Valley and foothill grassland, cismontane woodland. Grassy valley floors and rolling foothills in heavy clay soil. 377 to 2608 ft in elevation. Blooms February-April.
<i>Sidalcea keckii</i>	Keck's checkerbloom	E		1B.1	Cismontane woodland, valley and foothill grassland. Grassy slopes in blue oak woodland. On serpentine-derived, clay soils, at least sometimes. 279 to 1657 ft in elevation. Blooms April-May (June).
<i>Sidalcea stipularis</i>	Scadden Flat checkerbloom		E	1B.1	Marshes and swamps. Wet montane marshes fed by springs. 2297 to 2428 ft in elevation. Blooms July-August.
<i>Tuctoria greenei</i>	Greene's tuctoria	E	R	1B.1	Vernal pools, wetland. Vernal pools in open grasslands. 82 to 4347 ft in elevation. Blooms May-July (September).
<i>Verbena californica</i>	Red Hills vervain	T	T	1B.1	Cismontane woodland, valley and foothill grassland. Mesic sites on serpentine; usually serpentine seeps or creeks. 837 to 1148 ft in elevation. Blooms May-September.
California Rare Plant Ranked					
<i>Acmispon rubriflorus</i>	red-flowered bird's-foot trefoil			1B.1	Valley and foothill grassland, cismontane woodland. Most recent sighting from sterile, red soils-volcanic mudflow deposits. 640 to 1608 ft in elevation. Blooms April-June.
<i>Allium abramsii</i>	Abrams' onion			1B.2	Lower montane coniferous forest, upper montane coniferous forest. On sandy soils, derived from disintegrated granite. 3199 to 10007 ft in elevation. Blooms May-July.
<i>Allium howellii</i> var. <i>clokeyi</i>	Mt. Pinos onion			1B.3	Great Basin scrub, pinyon and juniper woodland, meadows and seeps (edges). 4544 to 5906 ft in elevation. Blooms April-June.
<i>Allium jepsonii</i>	Jepson's onion			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. On serpentine soils in Sierra foothills, volcanic soil on Table Mountain. On slopes and flats; usually in an open area. 1165 to 3707 ft in elevation. Blooms April-August.

Table 14a Special-Status Plant Species Known or with Potential to Occur in the Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Allium tuolumnense</i>	Rawhide Hill onion			1B.2	Cismontane woodland. Restricted to serpentine soil, usually in gray pine chaparral. steep, rocky, south-facing slopes or small drainages. 984 to 1969 ft in elevation. Blooms March-May.
<i>Almutaster pauciflorus</i>	alkali marsh aster			2B.2	Meadow and seeps. Alkaline. 197 to 2509 ft in elevation. Blooms June-October.
<i>Arctostaphylos nissenana</i>	Nissenan manzanita			1B.2	Closed-cone coniferous forest, chaparral. Usually on metamorphics, associated w/ other chaparral species. 1526 to 5282 ft in elevation. Blooms February-March.
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch			1B.1	Alkali playa, wetland. Meadows and seeps, playas. Lake margins, alkaline sites. 246 to 1148 ft in elevation. Blooms May-October.
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
<i>Calochortus clavatus</i> var. <i>avius</i>	Pleasant Valley mariposa-lily			1B.2	Lower montane coniferous forest. Josephine silt loam and volcanically derived soil; often in rocky areas. 984 to 5610 ft in elevation. Blooms May-July.
<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernal moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
<i>Calochortus striatus</i>	alkali mariposa-lily			1B.2	Chaparral, chenopod scrub, Mojavean desert scrub, meadows and seeps. Alkaline meadows and ephemeral washes. 230 to 7251 ft in elevation. Blooms April-June.
<i>Calochortus syntrophus</i>	Callahan's mariposa-lily			1B.1	Cismontane woodland, valley and foothill grassland. In vernal mesic areas. 1411 to 4003 ft in elevation. Blooms May-June.
<i>Calochortus westonii</i>	Shirley Meadows star-tulip			1B.2	Broadleaved upland forest, lower montane coniferous forest, meadows and seeps. Meadows, open woodlands; granite substrates. 4970 to 6808 ft in elevation. Blooms May-June.
<i>Calycadenia hooveri</i>	Hoover's calycadenia			1B.3	Cismontane woodland, valley and foothill grassland. On exposed, rocky, barren soil. 230 to 853 ft in elevation. Blooms July-September.
<i>Campylopodia stenocarpa</i>	flagella-like atractylocarpus			2B.2	Cismontane woodland. All California populations are on roadsides. The ID of the California populations is under question, but whatever this is, it is rare. 935 to 1411 ft in elevation. Blooms .
<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort			1B.2	Chaparral, lower montane coniferous forest. Serpentine outcrops and gravelly serpentine talus. 984 to 3117 ft in elevation. Blooms February-May.
<i>Carex xerophila</i>	chaparral sedge			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Serpentine, gabbroic. 902 to 2526 ft in elevation. Blooms March-June.
<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs			1B.2	Chaparral, cismontane woodland, meadows and seeps, valley and foothill grassland. Openings in chaparral or grasslands. On serpentine. 66 to 3002 ft in elevation. Blooms April-June.
<i>Caulanthus lemmonii</i>	Lemmon's jewelflower			1B.2	Pinyon and juniper woodland, valley and foothill grassland. 246 to 5200 ft in elevation. Blooms February-May.
<i>Chlorogalum grandiflorum</i>	Red Hills soaproot			1B.2	Cismontane woodland, chaparral, lower montane coniferous forest. Occurs frequently on serpentine or gabbro, but also on non-ultramafic substrates; often on "historically disturbed" sites. 804 to 4068 ft in elevation. Blooms May-June.
<i>Clarkia biloba</i> ssp. <i>australis</i>	Mariposa clarkia			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Dry, rocky places and hillsides; sometimes on serpentine. 197 to 3100 ft in elevation. Blooms April-August.
<i>Clarkia borealis</i> ssp. <i>arida</i>	Shasta clarkia			1B.1	Chaparral, cismontane woodland. On serpentine. Several sites occur in the foothill woodland/riparian ecotone. 394 to 4806 ft in elevation. Blooms April-July.
<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia			1B.2	Cismontane woodland, lower montane coniferous forest. Openings. 1394 to 1952 ft in elevation. Blooms June-August.
<i>Clarkia mosquinii</i>	Mosquin's clarkia			1B.1	Chaparral, cismontane woodland. Dry, grassy openings in chaparral or foothill woodland. Sometimes on serpentine. 689 to 3609 ft in elevation. Blooms May-July.
<i>Clarkia rostrata</i>	beaked clarkia			1B.3	Cismontane woodland, lower montane coniferous forest. Usually on steep, rocky cutbanks and slopes. 607 to 4003 ft in elevation. Blooms May-July (September).
<i>Collomia rawsoniana</i>	Rawson's flaming trumpet			1B.2	Cismontane woodland, valley and foothill grassland. North-facing slopes; sometimes on sandstone. 197 to 3002 ft in elevation. Blooms April-May.
<i>Cryptantha crinita</i>	silky cryptantha			1B.2	Riparian forest, lower montane coniferous forest, meadows and seeps. On stabilized alluvium in riparian zones. 2559 to 6808 ft in elevation. Blooms July-August.
<i>Cryptantha hooveri</i>	Hoover's cryptantha			1A	Cismontane woodland, valley foothill grassland, lower montane coniferous forest, riparian forest, riparian woodland. In gravelly streambeds. 115 to 4003 ft in elevation. Blooms April-May.
<i>Cryptantha mariposae</i>	Mariposa cryptantha			1B.3	Valley and foothill grassland, inland dunes. In coarse sand. 30 to 492 ft in elevation. Blooms April-May.
<i>Cryptantha spithamea</i>	Red Hills cryptantha			1B.3	Chaparral. On serpentine outcrops. 656 to 2133 ft in elevation. Blooms April-June.
<i>Delphinium purpusii</i>	rose-flowered larkspur			1B.3	Chaparral, cismontane woodland. Serpentine, sometimes streambeds, sometimes openings. 902 to 1509 ft in elevation. Blooms April-May.
<i>Delphinium recurvatum</i>	recurved larkspur			1B.2	Chaparral, cismontane woodland, pinyon-juniper woodland. On shady rocky slopes; often on carbonates. 984 to 4396 ft in elevation. Blooms (March), April-May.
<i>Diplacus pictus</i>	calico monkeyflower			1B.2	Chenopod scrub, valley and foothill grassland, cismontane woodland. On alkaline soils; often in valley saltbush or valley chenopod scrub. 10 to 2592 ft in elevation. Blooms March-June.
<i>Diplacus pulchellus</i>	yellow-lip pansy monkeyflower			1B.2	Broadleaved upland forest, cismontane woodland. In bare ground around gooseberry bushes or around granite rock outcrops. 328 to 4692 ft in elevation. Blooms March-May.
<i>Downingia pusilla</i>	dwarf downingia			2B.2	Lower montane coniferous forest, meadows and seeps. Vernal wet sites. Soils can be clay, volcanic, or granitic. 2198 to 6398 ft in elevation. Blooms April-July.
<i>Erigeron mariposanus</i>	Mariposa daisy			1A	Valley and foothill grassland (mesic sites), vernal pools. Vernal lake and pool margins with a variety of associates. In several types of vernal pools. 3 to 1608 ft in elevation. Blooms March-May.
<i>Erigeron multiceps</i>	Kern River daisy			1B.2	Cismontane woodland. One site known. 1969 to 2625 ft in elevation. Blooms June-August.

Table 14a Special-Status Plant Species Known or with Potential to Occur in the Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Eriogonum callistum</i>	Tehachapi buckwheat			1B.1	Chaparral. Openings; rocky, limestone substrate. 4593 to 4921 ft in elevation. Blooms May-July.
<i>Eriogonum nudum</i> var. <i>murinum</i>	mouse buckwheat			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Dry sandy loam slopes in the Kaweah River drainage. 1198 to 3707 ft in elevation. Blooms June-November.
<i>Eriogonum nudum</i> var. <i>regirivum</i>	Kings River buckwheat			1B.2	Limestone. Cismontane woodland. Rocky limestone slopes along the Kings River. 1099 to 6004 ft in elevation. Blooms August-November.
<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat			1B.2	Cismontane woodland, chaparral. Serpentinite. On slopes, in openings. 902 to 4856 ft in elevation. Blooms June-September.
<i>Eriophyllum lanatum</i> var. <i>hallii</i>	Fort Tejon woolly sunflower			1B.1	Chaparral, cismontane woodland. Often on slopes in loamy soils. 3478 to 4921 ft in elevation. Blooms May-July.
<i>Eryngium pinnatisectum</i>	Tuolumne button-celery			1B.2	Vernal pools, cismontane woodland, lower montane coniferous forest. Volcanic soils; vernal pools and mesic sites within other natural communities. 230 to 3002 ft in elevation. Blooms May-August.
<i>Eryngium spinosepalum</i>	spiny-sepaled button-celery			1B.2	Vernal pools, valley and foothill grassland. Some sites on clay soil of granitic origin; vernal pools, within grassland. 262 to 837 ft in elevation. Blooms April-June.
<i>Erythranthe gracilipes</i>	slender-stalked monkeyflower			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Disturbed places such as burns and RR grades; also on thin granitic soil in cracks in large granite rocks. 1640 to 4265 ft in elevation. Blooms April-June.
<i>Erythranthe marmorata</i>	Stanislaus monkeyflower			1B.1	Cismontane woodland, lower montane coniferous forest. 328 to 2953 ft in elevation. Blooms March-May.
<i>Erythranthe norrisii</i>	Kaweah monkeyflower			1B.3	Chaparral, cismontane woodland. Marble outcrops, soil pockets, moss-covered ledges, cracks in outcrops, sometimes on S-facing cliffs. 1181 to 4265 ft in elevation. Blooms March-May.
<i>Erythranthe shevockii</i>	Kelso Creek monkeyflower			1B.2	Joshua tree woodland, pinyon and juniper woodland. Mostly known from Joshua tree-xeric conifer woodland in the high desert, in loose, granitic sandy soil. 2625 to 4396 ft in elevation. Blooms March-May.
<i>Erythronium tuolumnense</i>	Tuolumne fawn lily			1B.2	Broadleaved upland forest, chaparral, cismontane woodland, lower montane coniferous forest. Often on clay soils; on cliffs and near drainages. 1591 to 4610 ft in elevation. Blooms March-June.
<i>Eschscholzia lemmonii</i> ssp. <i>kernensis</i>	Tejon poppy			1B.1	Valley and foothill grassland, chenopod scrub. Little information available on habitat. 443 to 4446 ft in elevation. Blooms (February), March-May.
<i>Euphorbia ocellata</i> ssp. <i>rattanii</i>	Stony Creek spurge			1B.2	Valley and foothill grassland, chaparral. Sandy or rocky soils. 279 to 2625 ft in elevation. Blooms May-October.
<i>Fimbristylis thermalis</i>	hot springs fimbriatylis			2B.2	Meadows and seeps (alkaline). Near hot springs. 377 to 5200 ft in elevation. Blooms July-September.
<i>Fritillaria pluriflora</i>	adobe-lily			1B.2	Chaparral, cismontane woodland, foothill grassland. Usually on clay soils; sometimes serpentine. 148 to 3100 ft in elevation. Blooms February-April.
<i>Galium angustifolium</i> ssp. <i>onycense</i>	Onyx Peak bedstraw			1B.3	Cismontane woodland, pinyon juniper woodland. Grows from under and between large granite rocks and outcrops with scattered gray pines and oaks. 2822 to 7546 ft in elevation. Blooms April-July.
<i>Githopsis tenella</i>	delicate bluecup			1B.3	Chaparral, cismontane woodland. Mesic sites. 3609 to 6234 ft in elevation. Blooms April-June.
<i>Glyceria grandis</i>	American manna grass			2B.3	Bogs and fens, meadows and seeps, marshes and swamps. Wet meadows, ditches, streams, and ponds, in valleys and lower elevations in the mountains. 197 to 6709 ft in elevation. Blooms June-August.
<i>Helianthus winteri</i>	Winter's sunflower			1B.2	Cismontane woodland, valley and foothill grassland. Openings on relatively steep south-facing slopes, granitic, often rocky, often roadsides. 591 to 1509 ft in elevation. Blooms January-December.
<i>Hesperocyparis nevadensis</i>	Piute cypress			1B.2	Closed-cone coniferous forest, chaparral, cismontane woodland, pinyon-juniper woodland. On dry slopes; known from granodiorite, gabbro and limestone. 2362 to 6004 ft in elevation. Blooms .
<i>Heterotheca shevockii</i>	Shevock's golden-aster			1B.3	Chaparral, cismontane woodland. Ditches, crevices, shallow sand. 787 to 2411 ft in elevation. Blooms August-November.
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow			1B.2	Marshes and swamps (freshwater). Moist, freshwater-soaked river banks and low peat islands in sloughs; can also occur on riprap and levees. In California, known from the delta watershed. 0 to 509 ft in elevation. Blooms June-September.
<i>Horkelia daucifolia</i> var. <i>indicta</i>	Jepson's horkelia			1B.1	Cismontane woodland. Quaternary pyroclastic flows, volcanic or clay soils. Vernal mesic, openings. 787 to 2198 ft in elevation. Blooms April-June.
<i>Horkelia parryi</i>	Parry's horkelia			1B.2	Chaparral, cismontane woodland. Openings in chaparral or woodland; especially known from the lone formation in Amador County. 279 to 3658 ft in elevation. Blooms April-September.
<i>Imperata brevifolia</i>	California satintail			2B.1	Coastal scrub, chaparral, riparian scrub, mojavean desert scrub, meadows and seeps (alkali), riparian scrub. Mesic sites, alkali seeps, riparian areas. 10 to 4905 ft in elevation. Blooms September-May.
<i>Iris munzii</i>	Munz's iris			1B.3	Cismontane woodland. Granitic moist sandy loam soil, often along streams. 1001 to 2625 ft in elevation. Blooms March-April (May).
<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush			1B.1	Chaparral, valley and foothill grassland, cismontane woodland, vernal pools, meadows and seeps. Vernal mesic sites. Sometimes on edges of vernal pools. 98 to 3363 ft in elevation. Blooms March-June.
<i>Lagophylla dichotoma</i>	forked hare-leaf			1B.1	Cismontane woodland, valley and foothill grassland. Sometimes clay. 623 to 1099 ft in elevation. Blooms April-May.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields			1B.1	Alkali playa, wetland. Coastal salt marshes, playas, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 3 to 4511 ft in elevation. Blooms February-June.
<i>Layia heterotricha</i>	pale-yellow layia			1B.1	Cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Alkaline or clay soils; open areas. 295 to 5906 ft in elevation. Blooms March-June.
<i>Layia leucopappa</i>	Comanche Point layia			1B.1	Chenopod scrub, valley and foothill grassland. Dry hills in white-gray clay soils, often with weedy grasses. Does not reliably appear every year. 328 to 1099 ft in elevation. Blooms March-April.
<i>Layia septentrionalis</i>	Colusa layia			1B.2	Chaparral, cismontane woodland, valley and foothill grassland. Scattered colonies in fields and grassy slopes in sandy or serpentine soil. 49 to 3609 ft in elevation. Blooms April-May.
<i>Legenere limosa</i>	legenere			1B.1	Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
<i>Leptosiphon serrulatus</i>	Madera leptosiphon			1B.2	Cismontane woodland, lower montane coniferous forest. Dry slopes; often on decomposed granite in woodland. 984 to 4265 ft in elevation. Blooms April-May.

Table 14a Special-Status Plant Species Known or with Potential to Occur in the Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Limnanthes floccosa</i> ssp. <i>bellingermana</i>	Bellinger's meadowfoam			1B.2	Meadows and seeps, cismontane woodland. Vernal wet sites including wet edges of meadows, and damp, stony flats. 935 to 3609 ft in elevation. Blooms April-June.
<i>Lomatium congdonii</i>	Congdon's lomatium			1B.2	Cismontane woodland, chaparral. Serpentine soils with serpentine chaparral plants and gray pines. 1099 to 2051 ft in elevation. Blooms March-June.
<i>Lupinus citrinus</i> var. <i>citrinus</i>	orange lupine			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Rocky, decomposed granitic outcrops, usually open areas, on flat to rolling terrain. 1969 to 5577 ft in elevation. Blooms April-July.
<i>Lupinus spectabilis</i>	shaggyhair lupine			1B.2	Chaparral, cismontane woodland. Open rocky slopes of serpentine. Mostly on serpentine chaparral surrounded by gray pine woodland. 853 to 2707 ft in elevation. Blooms April-May.
<i>Monardella linooides</i> ssp. <i>oblonga</i>	Tehachapi monardella			1B.3	Lower montane coniferous forest, upper montane coniferous forest, pinyon-juniper woodland. On dry slopes of yellow pine forest, decomposed granitic soils; also in roadside disturbed areas. 2953 to 8104 ft in elevation. Blooms June-August.
<i>Monardella venosa</i>	veiny monardella			1B.1	Valley and foothill grassland, cismontane woodland. In heavy clay; mostly with grassland associates. Rediscovered in 1992. 98 to 1329 ft in elevation. Blooms May-July.
<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	shining navarretia			1B.2	Cismontane woodland, valley and foothill grassland, vernal pools. Apparently in grassland, and not necessarily in vernal pools. 197 to 3199 ft in elevation. Blooms (March), April-July.
<i>Navarretia paradoxi-clara</i>	Patterson's navarretia			1B.3	Meadows and seeps. Serpentine, openings, vernal mesic, often drainages. 492 to 1411 ft in elevation. Blooms May-June (July).
<i>Navarretia setiloba</i>	Piute Mountains navarretia			1B.1	Cismontane woodland, pinyon and juniper woodland, valley and foothill grassland. Red clay soils, or on gravelly loam. 591 to 5397 ft in elevation. Blooms April-July.
<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Rose's ragwort			1B.2	Cismontane woodland, lower montane coniferous forest, chaparral. Steep slopes and in canyons in serpentine soil, often along or near roads. 902 to 6201 ft in elevation. Blooms March-July (August),(September).
<i>Paronychia ahartii</i>	Ahart's paronychia			1B.1	Valley and foothill grassland, vernal pools, cismontane woodland. Stony, nearly barren clay of swales and higher ground around vernal pools. 98 to 1673 ft in elevation. Blooms February-June.
<i>Phacelia novemmillensis</i>	Nine Mile Canyon phacelia			1B.2	Broadleaved upland forest, pinyon and juniper woodland, upper montane coniferous forest, cismontane woodland. Dry disturbed banks, granitic or metamorphic soils; sandy or gravelly sites. 5397 to 8661 ft in elevation. Blooms (February), May-June.
<i>Platanthera yosemitensis</i>	Yosemite bog orchid			1B.2	Meadows and seeps. Mesic areas. Granite substrates. 6890 to 7497 ft in elevation. Blooms July-August.
<i>Potamogeton zosteriformis</i>	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
<i>Puccinellia simplex</i>	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernal mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
<i>Rhynchospora californica</i>	California beaked-rush			1B.1	Wetland Bogs and fens, marshes and swamps, lower montane coniferous forest, meadows and seeps. Freshwater seeps and open marshy areas. 148 to 3314 ft in elevation. Blooms May-July.
<i>Rhynchospora capitellata</i>	brownish beaked-rush			2B.2	Lower montane coniferous forest, meadows and seeps, marshes and swamps, upper montane coniferous forest. Mesic sites. 148 to 5610 ft in elevation. Blooms July-August.
<i>Ribes menziesii</i> var. <i>ixoderme</i>	aromatic canyon gooseberry			1B.2	Chaparral, cismontane woodland. In forest openings. 2001 to 3806 ft in elevation. Blooms April.
<i>Sagittaria sanfordii</i>	Sanford's arrowhead			1B.2	Marshes and swamps. In standing or slow-moving freshwater ponds, marshes, and ditches. 0 to 2133 ft in elevation. Blooms May-October (November).
<i>Scopelophila cataractae</i>	tongue-leaf copper moss			2B.2	Cismontane woodland. Moss on metamorphic substrate; on soil. 1312 to 1312 ft in elevation. Blooms .
<i>Senecio aphanactis</i>	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
<i>Senecio clevelandii</i> var. <i>heterophyllus</i>	Red Hills ragwort			1B.2	Cismontane woodland. Drying serpentine soils; often along streams. 853 to 1263 ft in elevation. Blooms May-July.
<i>Sidalcea robusta</i>	Butte County checkerbloom			1B.2	Chaparral, cismontane woodland. Small draws and rocky crevices. 246 to 1312 ft in elevation. Blooms April-June.
<i>Sphenopholis obtusata</i>	prairie wedge grass			2B.2	Cismontane woodland, meadows and seeps. Open moist sites, along rivers and springs, alkaline desert seeps. 984 to 6562 ft in elevation. Blooms April-July.
<i>Streptanthus cordatus</i> var. <i>piutensis</i>	Piute Mountains jewelflower			1B.2	Broadleaved upland forests, closed-cone coniferous forest, pinyon and juniper woodland. Along road banks and cliffs, metamorphic-red clay soils. 3986 to 6201 ft in elevation. Blooms May-July.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	slender-leaved pondweed			2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.
<i>Symphotrichum defoliatum</i>	San Bernardino aster			1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernal mesic grassland or near ditches, streams and springs; disturbed areas. 7 to 6693 ft in elevation. Blooms July-November.
<i>Trifolium jokerstii</i>	Butte County golden clover			1B.2	Valley and foothill grassland, vernal pools. Mesic sites in grassland. 164 to 1263 ft in elevation. Blooms March-May.
<i>Trifolium piorkowskii</i>	maverick clover			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest, mesic sites in valley and foothill grassland, vernal pools. 525 to 2231 ft in elevation. Blooms April-May.
<i>Viburnum ellipticum</i>	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.
<i>Wolffia brasiliensis</i>	Brazilian watermeal			2B.3	Marshes and swamps. Shallow freshwater marshes. 66 to 328 ft in elevation. Blooms April-December.
<i>Wyethia reticulata</i>	El Dorado County mule ears			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Stony red clay and gabbroic soils; often in openings in gabbro chaparral. 607 to 2067 ft in elevation. Blooms April-August.

Listing Status
E = Endangered

California Rare Plant Rank
1A = Plants presumed extirpated in California and either rare or extinct elsewhere

Table 14a Special-Status Plant Species Known or with Potential to Occur in the Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	

T = Threatened

R = Rare

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

2B = Plants rare or endangered in California, but more common elsewhere

3 = Plants for which we need more information – review list

Threat Ranks

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

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

0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 14b Special-Status Wildlife Species Known or with Potential to Occur in the Sierra Nevada Foothills Ecological Section (M261F)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																						Total Acreage of Associated CWHR Types within the Treatable Landscape ¹		
		Federal	State	Alkali Desert Scrub	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Douglas Fir	Eastside Pine	Eucalyptus	Juniper	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Ponderosa Pine	Sagebrush	Sierran Mixed Conifer		Valley Foothill Riparian	Valley Oak Woodland
<i>Gymnogyps californianus</i>	California condor	E	E FP	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	492,892
<i>Haliaeetus leucocephalus</i>	bald eagle		E FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,721,585
<i>Laterallus jamaicensis coturniculus</i>	California black rail ²		T FP		X	X	X		X	X	X				X	X	X	X	X	X			X		X	X	389,935	
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,721,585
<i>Polioptila californica californica</i>	coastal California gnatcatcher	T	SC		X	X	X							X	X	X	X			X			X		X	X	2,000	
<i>Riparia riparia</i>	bank swallow		T		X	X	X			X	X				X	X		X							X	X	12,167	
<i>Strix nebulosa</i>	great gray owl		E		X	X	X	X	X			X			X	X	X	X	X	X	X		X	X	X	X	X	349,936
<i>Vireo bellii pusillus</i>	least Bell's vireo	E	E	X	X	X	X	X						X	X	X	X	X		X	X		X		X	X	18,882	
CDFW Species of Special Concern																												
<i>Accipiter gentilis</i>	northern goshawk		SC		X	X	X	X	X	X		X			X	X	X	X	X	X	X	X	X	X	X	X	X	143,579
<i>Agelaius phoeniceus aciculatus</i>	Kern reg-winged blackbird		SC		X		X								X										X		284	
<i>Ammodramus savannarum</i>	grasshopper sparrow		SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,695,324
<i>Asio flammeus</i>	short-eared owl		SC		X	X	X			X	X				X		X								X	X	9,524	
<i>Asio otus</i>	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,721,584
<i>Athene cunicularia</i>	burrowing owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,721,585
<i>Aythya americana</i>	redhead ²		SC	X	X	X	X				X			X	X		X						X		X	X	6,120	
<i>Chaetura vauxi</i>	Vaux's swift		SC		X	X	X	X				X			X	X	X	X	X	X			X	X	X	X	X	1
<i>Chlidonias niger</i>	black tern ²		SC		X	X	X				X														X		1,302	
<i>Circus cyaneus</i>	northern harrier		SC		X	X	X	X		X	X				X	X	X	X		X				X		X	X	2
<i>Contopus cooperi</i>	olive-sided flycatcher		SC		X	X	X	X	X			X			X	X	X	X	X	X	X	X	X	X	X	X	X	1
<i>Cypseloides niger</i>	black swift		SC		X	X	X	X							X	X	X	X	X	X			X		X	X	119,395	
<i>Dendragapus fuliginosus howardi</i>	Mount Pinos sooty grouse		SC		X	X	X	X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	21,271
<i>Grus canadensis canadensis</i>	lesser sandhill crane		SC		X																						114	
<i>Icteria virens</i>	yellow-breasted chat		SC		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	2,463,915
<i>Lanius ludovicianus</i>	loggerhead shrike		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,721,585
<i>Melospiza melodia mailliardi</i>	Modesto song sparrow		SC		X	X	X	X			X				X		X								X	X	1	
<i>Pelecanus erythrorhynchos</i>	American white pelican ²		SC	X	X	X	X	X		X	X		X	X	X		X	X					X	X		X	88,484	
<i>Piranga rubra</i>	summer tanager		SC		X										X									X			11	
<i>Poocetes gramineus affinis</i>	Oregon vesper sparrow		SC	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,139,942
<i>Progne subis</i>	purple martin		SC		X	X	X	X						X	X	X	X	X	X		X	X	X	X	X	X	188,040	
<i>Setophaga petechia</i>	yellow warbler		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,721,584
<i>Strix occidentalis occidentalis</i>	California spotted owl		SC		X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,653,643
<i>Toxostoma bendirei</i>	Bendire's thrasher		SC	X	X	X	X							X	X		X						X		X		2,475	

Table 14b Special-Status Wildlife Species Known or with Potential to Occur in the Sierra Nevada Foothills Ecological Section (M261F)																												
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																							Total Acreage of Associated CWHR Types within the Treatable Landscape ¹	
		Federal	State	Alkali Desert Scrub	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Douglas Fir	Eastside Pine	Eucalyptus	Juniper	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian		Valley Oak Woodland
<i>Euderma maculatum</i>	spotted bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,422,717
<i>Eumops perotis californicus</i>	western mastiff bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,652,975
<i>Lasiurus blossevillii</i>	western red bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,702,632
<i>Lepus americanus klamathensis</i>	Oregon snowshoe hare		SC		X	X	X		X	X		X		X	X	X	X	X	X			X		X	X	X	39,931	
<i>Lepus americanus tahoensis</i>	Sierra Nevada snowshoe hare		SC		X	X	X		X			X			X	X	X	X		X		X		X	X	X	15,178	
<i>Perognathus alticola inexpectatus</i>	Tehachapi pocket mouse		SC		X	X	X					X		X	X	X	X	X		X	X	X	X	X	X	X	47,752	
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,721,585
Reptiles																												
Federal and State Listed/CDFW Fully Protected																												
<i>Gambelia sila</i>	blunt-nosed leopard lizard	E	E		X	X	X							X	X		X						X		X	X	<1	
<i>Gopherus agassizii</i>	desert tortoise	T	T		X	X									X	X	X	X			X		X			X	<1	
<i>Thamnophis gigas</i>	giant garter snake ²	T	T		X	X	X	X		X					X		X								X	X	4,072	
CDFW Species of Special Concern																												
<i>Anniella sp.</i>	California legless lizard		SC	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	567,996
<i>Arizona elegans occidentalis</i>	California glossy snake		SC		X	X	X	X				X		X	X	X	X	X		X	X	X	X	X	X	X	62,532	
<i>Aspidoscelis tigris stejnegeri</i>	coastal whiptail		SC		X									X	X	X	X			X	X		X	X	X		<1	
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,721,585
<i>Masticophis flagellum ruddocki</i>	San Joaquin coachwhip		SC		X	X	X							X	X		X		X				X		X	X	354	
<i>Phrynosoma blainvillii</i>	coast horned lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2,721,585
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake		SC		X	X								X	X	X	X			X	X		X	X	X		548	
<i>Thamnophis hammondi</i>	two-striped garter snake ²		SC		X	X	X	X				X		X	X	X	X	X		X	X	X	X	X	X	X	63,579	
<i>Xantusia vigilis sierrae</i>	Sierra night lizard		SC		X	X	X								X	X	X	X	X			X	X		X	X	96,155	
<p>Listing Status E = Endangered T = Threatened C = Candidate for listing FP = Fully Protected SC = CDFW Species of Special Concern</p> <p>¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available. ² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.</p>																												
Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019																												

Table 15a Special-Status Plant Species Known or with Potential to Occur in the Southeastern Great Basin Ecological Section (341F) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Sidalcea covillei</i>	Owens Valley checkerbloom		E	1B.1	Wetland. Meadows and seeps, chenopod scrub. Moist alkaline meadows and freshwater seeps, fine sandy loam soil, one occurrence in stoney calcareous soil. 3576 to 4642 ft in elevation. Blooms April-June.
California Rare Plant Ranked					
<i>Aliciella ripleyi</i>	Ripley's aliciella			2B.3	Mojavean desert scrub. On limestone; rocky slopes, rock/cliff bases, and rock crevices. 984 to 6398 ft in elevation. Blooms May-July.
<i>Erigeron calvus</i>	bald daisy			1B.1	Great Basin scrub. Sagebrush and desert scrub; type locality is only known site. 4003 to 4003 ft in elevation. Blooms May.
<i>Lomatium foeniculaceum</i> ssp. <i>macdougalii</i>	Macdougall's lomatium			2B.2	Chenopod scrub, Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Volcanic soil. 3986 to 7234 ft in elevation. Blooms April-July.
<i>Mentzelia tridentata</i>	creamy blazing star			1B.3	Mojavean desert scrub. 2297 to 3806 ft in elevation. Blooms March-May.

Listing Status
 E = Endangered
 California Rare Plant Rank
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere
 Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 - Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 - Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 15b Special-Status Wildlife Species Known or with Potential to Occur in the Southeastern Great Basin Ecological Section (341F)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape							Total Acreage of Associated CWHR Types within the Treatable Landscape ¹	
		Federal	State	Alkali Desert Scrub	Annual Grassland	Desert Scrub	Low Sage	Montane Chaparral	Pinyon-Juniper	Sagebrush		
Amphibians												
CDFW Species of Special Concern												
Batrachoseps campi	Inyo Mountains slender salamander		SC	X		X				X		15
Birds												
Federal and State Listed/CDFW Fully Protected												
Aquila chrysaetos	golden eagle		FP	X	X	X	X	X	X	X	X	450
Buteo swainsoni	Swainson's hawk		T	X		X						<1
Charadrius alexandrinus	snowy plover ²	T	SC	X		X						181
Empidonax traillii extimus	southwestern willow flycatcher	E	E	X		X	X		X	X		392
Falco peregrinus anatum	American peregrine falcon		FP	X		X	X		X	X		392
Haliaeetus leucocephalus	bald eagle		E FP	X		X						<1
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	X	X	X		X				58
CDFW Species of Special Concern												
Accipiter gentilis	northern goshawk		SC	X		X			X	X		86
Asio otus	long-eared owl		SC	X	X	X	X	X	X	X		450
Athene cucularia	burrowing owl		SC	X	X	X	X	X	X	X		450
Circus cyaneus	northern harrier		SC	X		X						<1
Icteria virens	yellow-breasted chat		SC	X		X						<1
Ixobrychus exilis	least bittern ²		SC	X		X	X	X				38
Lanius ludovicianus	loggerhead shrike		SC	X	X	X	X	X	X	X		450
Pelecanus erythrorhynchos	American white pelican ²		SC	X		X						<1
Setophaga petechia	yellow warbler		SC	X		X	X		X	X		392
Toxostoma lecontei	Le Conte's thrasher		SC	X	X	X		X				58
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	X		X	X		X	X		392
Invertebrates												
Federal and State Listed/CDFW Fully Protected												
Ambrysus funebris	Nevars Spring naucorid bug (=Furnace Creek) ²	C		X		X	X		X	X		392
Bombus crotchii	Crotch bumble bee ²		C		X							<1
Monadenia infumata setosa	Trinity bristle snail		T	X	X	X	X	X	X	X		450
Speyeria callippe callippe	callippe silverspot butterfly	E		X		X	X		X	X		392

Table 15b Special-Status Wildlife Species Known or with Potential to Occur in the Southeastern Great Basin Ecological Section (341F)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape							Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Alkali Desert Scrub	Annual Grassland	Desert Scrub	Low Sage	Montane Chaparral	Pinyon-Juniper	Sagebrush	
Mammals											
Federal and State Listed/CDFW Fully Protected											
Bassariscus astutus	ringtail		FP	X	X	X	X	X	X	X	450
Microtus californicus scirpensis	Amargosa vole	E	E	X		X	X		X	X	392
Ovis canadensis nelsoni	desert bighorn sheep		FP	X	X	X	X	X	X	X	450
Sorex ornatus relictus	Buena Vista Lake ornate shrew	E	SC	X		X	X		X	X	392
Vulpes vulpes necator	Sierra Nevada red fox	C	T	X	X	X		X			58
Xerospermophilus mohavensis	Mohave ground squirrel		T	1X	X	X		X			58
CDFW Species of Special Concern											
Antrozous pallidus	pallid bat		SC	X	X	X	X	X	X	X	450
Corynorhinus townsendii	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	450
Euderma maculatum	spotted bat		SC	X	X	X	X	X	X	X	450
Eumops perotis californicus	western mastiff bat		SC	X		X					13
Lepus townsendii townsendii	western white-tailed jackrabbit		SC	X		X	X		X	X	392
Microtus californicus vallicola	Owens Valley vole		SC	X		X	X				325
Taxidea taxus	American badger		SC	X	X	X	X	X	X	X	450
Reptiles											
CDFW Species of Special Concern											
Elgaria panamintina	Panamint alligator lizard		SC	X	X	X	X	X	X	X	448
<p>Listing Status E = Endangered T = Threatened C = Candidate for listing FP = Fully Protected SC = CDFW Species of Special Concern</p> <p>¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.</p> <p>² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.</p>											
Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019											

Table 16a Special-Status Plant Species Known or with Potential to Occur in the Southern California Coast (261B) Ecological Section within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Acanthomintha ilicifolia</i>	San Diego thorn-mint	T	E	1B.1	Wetland. Chaparral, coastal scrub, valley and foothill grassland, vernal pools. Endemic to active vertisol clay soils of mesas and valleys. Usually on clay lenses within grassland or chaparral communities. 82 to 3100 ft in elevation. Blooms April-June.
<i>Ambrosia pumila</i>	San Diego ambrosia	E		1B.1	Chaparral, coastal scrub, valley and foothill grassland. Sandy loam or clay soil; sometimes alkaline. In valleys; persists where disturbance has been superficial. Sometimes on margins or near vernal pools. 10 to 1903 ft in elevation. Blooms April-October.
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	Del Mar manzanita	E		1B.1	Sandy coastal mesas and ocean bluffs; in chaparral or Torrey pine forest. 98 to 1198 ft in elevation. Blooms December-June.
<i>Astragalus brauntonii</i>	Braunton's milk-vetch	E		1B.1	Chaparral, coastal scrub, valley and foothill grassland. Recent burns or disturbed areas; usually on sandstone with carbonate layers. Soil specialist; requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. 10 to 2100 ft in elevation. Blooms January-August.
<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	Ventura Marsh milk-vetch	E	E	1B.1	Marshes and swamps, coastal dunes, coastal scrub, salt marsh, wetland. Within reach of high tide or protected by barrier beaches, more rarely near seeps on sandy bluffs. 3 to 115 ft in elevation. Blooms June-October.
<i>Baccharis vanessae</i>	Encinitas baccharis	T	E	1B.1	Chaparral, cismontane woodland. On sandstone soils in steep, open, rocky areas with chaparral associates. 131 to 2805 ft in elevation. Blooms August-November.
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	T	E	1B.1	Wetland. Chaparral (openings), cismontane woodland, coastal scrub, playas. Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Occurs in openings on clay soils. 49 to 3346 ft in elevation. Blooms March-June.
<i>Calochortus dunnii</i>	Dunn's mariposa-lily		R	1B.2	Ultramafic. Closed-cone coniferous forest, chaparral, valley and foothill grassland. On gabbro or metavolcanic soils; also known from sandstone; often associated with chaparral. 837 to 5299 ft in elevation. Blooms (February), April-June.
<i>Chorizanthe orcuttiana</i>	Orcutt's spineflower	E	E	1B.1	Coastal scrub, chaparral, closed-cone coniferous forest. Sandy sites and openings; sometimes in transition zones. 10 to 410 ft in elevation. Blooms March-May.
<i>Chorizanthe parryi</i> var. <i>fernandina</i>	San Fernando Valley spineflower	C	E	1B.1	Coastal scrub, valley and foothill grassland. Sandy soils. 49 to 3330 ft in elevation. Blooms April-July.
<i>Cirsium rhotophylum</i>	surf thistle		T	1B.2	Coastal dunes, coastal bluff scrub. Open areas in central dune scrub; usually in coastal dunes. 10 to 197 ft in elevation. Blooms April-June.
<i>Cirsium scariosum</i> var. <i>loncholepis</i>	La Graciosa thistle	E	T	1B.1	Coastal dunes, coastal scrub, brackish marshes, valley and foothill grassland, cismontane woodland. Lake edges, riverbanks, other wetlands; often in dune areas. Mesic, sandy sites. 13 to 722 ft in elevation. Blooms May-August.
<i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	seaside bird's-beak		E	1B.1	Closed-cone coniferous forest, chaparral, cismontane woodland, coastal scrub, coastal dunes. Sandy, often disturbed sites, usually within chaparral or coastal scrub. 98 to 1706 ft in elevation. Blooms April-October.
<i>Deinandra conjugens</i>	Otay tarplant	T	E	1B.1	Coastal scrub, valley and foothill grassland. Coastal plains, mesas, and river bottoms; often in open, disturbed areas; clay soils. 197 to 902 ft in elevation. Blooms (April), May-June.
<i>Deinandra increscens</i> ssp. <i>villosa</i>	Gaviota tarplant	E	E	1B.1	Coastal scrub, valley and foothill grassland, coastal bluff scrub. Known from coastal terrace near Gaviota; sandy blowouts amid sandy loam soil; grassland/coast scrub ecotone. 33 to 1411 ft in elevation. Blooms May-October.
<i>Deinandra minthornii</i>	Santa Susana tarplant		R	1B.2	Chaparral, coastal scrub. On sandstone outcrops and crevices, in shrubland. 919 to 2313 ft in elevation. Blooms July-November.
<i>Diplacus vandenbergensis</i>	Vandenberg monkeyflower	E		1B.1	Cismontane woodland, chaparral, coastal dunes. Sandy, often disturbed areas. 246 to 394 ft in elevation. Blooms April-June.
<i>Dithyrea maritima</i>	beach spectaclepod		T	1B.1	Coastal dunes, coastal scrub. Sea shores, on sand dunes, and sandy places near the shore. 10 to 213 ft in elevation. Blooms March-May.
<i>Dudleya cymosa</i> ssp. <i>agourensis</i>	Agoura Hills dudleya	T		1B.2	Chaparral, cismontane woodland. Rocky, volcanic breccia. 886 to 1509 ft in elevation. Blooms May-June.
<i>Dudleya cymosa</i> ssp. <i>marcescens</i>	marcescent dudleya	T	R	1B.2	Chaparral. On sheer rock surfaces and rocky volcanic cliffs. 476 to 2198 ft in elevation. Blooms April-July.
<i>Dudleya cymosa</i> ssp. <i>ovatifolia</i>	Santa Monica dudleya	T		1B.1	Chaparral, coastal scrub. In canyons on volcanic or sedimentary substrates; primarily on north-facing slopes. 492 to 1099 ft in elevation. Blooms March-June.
<i>Dudleya parva</i>	Conejo dudleya	T		1B.2	Coastal scrub, valley and foothill grassland. In clay or volcanic soils on rocky slopes and grassy hillsides. 295 to 1247 ft in elevation. Blooms May-June.
<i>Dudleya stolonifera</i>	Laguna Beach dudleya	T	T	1B.1	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland. In thin soil on north-facing sandstone cliffs. 16 to 607 ft in elevation. Blooms May-July.
<i>Dudleya verityi</i>	Verity's dudleya	T		1B.1	Chaparral, cismontane woodland, coastal scrub. On volcanic rock outcrops in the Santa Monica Mountains. 197 to 1099 ft in elevation. Blooms May-June.
<i>Eriodictyon capitatum</i>	Lompoc yerba santa	E	R	1B.2	Closed-cone coniferous forest, chaparral. Sandy soils on terraces. 197 to 1657 ft in elevation. Blooms May-September.
<i>Eriogonum crocatum</i>	conejo buckwheat		R	1B.2	Chaparral, coastal scrub, valley and foothill grassland. Conejo volcanic outcrops; rocky sites. 164 to 1903 ft in elevation. Blooms April-July.

Table 16a Special-Status Plant Species Known or with Potential to Occur in the Southern California Coast (261B) Ecological Section within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button-celery	E	E	1B.1	Coastal scrub, valley and foothill grassland, wetland. San Diego mesa hardpan and claypan vernal pools and southern interior basalt flow vernal pools; usually surrounded by scrub. 49 to 2887 ft in elevation. Blooms April-June.
<i>Fremontodendron mexicanum</i>	Mexican flannelbush	E	R	1B.1	Ultramafic. Closed-cone coniferous forest, chaparral, cismontane woodland. Usually scattered along the borders of creeks or in dry canyons; found on gabbro, serpentine, or metavolcanics. 984 to 1608 ft in elevation. Blooms March-June.
<i>Hazardia orcuttii</i>	Orcutt's hazardia		T	1B.1	Chaparral, coastal scrub. Often on clay; in grassy edges of chaparral and coastal scrub. 16 to 279 ft in elevation. Blooms August-October.
<i>Layia carnosa</i>	beach layia	E	E	1B.1	Coastal dunes, coastal scrub. On sparsely vegetated, semi-stabilized dunes, usually behind foredunes. 0 to 98 ft in elevation. Blooms March-July.
<i>Monardella viminea</i>	willowy monardella	E	E	1B.1	Coastal scrub, chaparral, riparian forest, riparian scrub, riparian woodland. In canyons, in rocky and sandy places, sometimes in washes or floodplains; with <i>Baccharis</i> , <i>Iva</i> , etc. Alluvial, ephemeral washes with adjacent coastal scrub. 148 to 755 ft in elevation. Blooms June-August.
<i>Navarretia fossalis</i>	spreading navarretia	T		1B.1	Alkali playa, wetland. Chenopod scrub, marshes and swamps, playas. San Diego hardpan and San Diego claypan vernal pools; in swales and vernal pools, often surrounded by other habitat types. 49 to 2789 ft in elevation. Blooms April-June.
<i>Nolina interrata</i>	Dehesa nolina		E	1B.1	Chaparral. Typically on rocky hillsides or ravines on ultramafic soils (gabbro, serpentine, or metavolcanic). 837 to 2411 ft in elevation. Blooms June-July.
<i>Orcuttia californica</i>	California Orcutt grass	E	E	1B.1	Vernal pools, wetland. 33 to 2165 ft in elevation. Blooms April-August.
<i>Packera ganderi</i>	Gander's ragwort		R	1B.2	Chaparral. Recently burned sites and gabbro outcrops. 1591 to 3510 ft in elevation. Blooms April-June.
<i>Pentachaeta lyonii</i>	Lyon's pentachaeta	E	E	1B.1	Chaparral, valley and foothill grassland, coastal scrub. Edges of clearings in chaparral, usually at the ecotone between grassland and chaparral or edges of firebreaks. 98 to 2067 ft in elevation. Blooms (February), March-August.
<i>Pogogyne abramsii</i>	San Diego mesa mint	E	E	1B.1	Vernal pools within grasslands, chamise chaparral, or coastal sage scrub communities. 230 to 640 ft in elevation. Blooms March-July.
<i>Pogogyne nudiuscula</i>	Otay Mesa mint	E	E	1B.1	Dry beds of vernal pools and moist swales with <i>Eryngium aristulatum</i> var. <i>parishii</i> and <i>Orcuttia californica</i> . 443 to 541 ft in elevation. Blooms May-July.
<i>Thermopsis macrophylla</i>	Santa Ynez false lupine		R	1B.3	Chaparral. In open areas such as fuel breaks, after burns; on sandstone. 1198 to 3510 ft in elevation. Blooms April-June.
<i>Verbesina dissita</i>	big-leaved crownbeard	T	T	1B.1	Chaparral, coastal scrub. Steep, rocky, primarily north-facing slopes within 1.5 miles of the ocean, in gravelly soils. 492 to 804 ft in elevation. Blooms (March), April-July.
California Rare Plant Ranked					
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena			1B.1	Chaparral, coastal scrub, desert dunes. Sandy areas. 246 to 5249 ft in elevation. Blooms January-September.
<i>Adolphia californica</i>	California adolphia			2B.1	From sandy/gravelly to clay soils within valley and foothill grassland, coastal sage scrub, or chaparral; various exposures. 148 to 2428 ft in elevation. Blooms December-May.
<i>Agrostis hooveri</i>	Hoover's bent grass			1B.2	Chaparral, cismontane woodland, closed-cone coniferous forest, valley and foothill grassland. Sandy sites. 197 to 2510 ft in elevation. Blooms April-July.
<i>Ambrosia chenopodiifolia</i>	San Diego bur-sage			2B.1	Coastal scrub. Slopes of canyons in open maritime succulent scrub usually with little herbaceous cover. 66 to 820 ft in elevation. Blooms April-June.
<i>Ambrosia monogyra</i>	singlehorl burrobrush			2B.2	Chaparral, Sonoran desert scrub. Sandy soils. 16 to 1558 ft in elevation. Blooms August-November.
<i>Ancistrocarphus keilii</i>	Santa Ynez groundstar			1B.1	Chaparral, cismontane woodland. Sandy soils. 131 to 427 ft in elevation. Blooms March-April.
<i>Aphanisma blitoides</i>	aphanisma			1B.2	Coastal bluff scrub, coastal dunes, coastal scrub. On bluffs and slopes near the ocean in sandy or clay soils. 10 to 1001 ft in elevation. Blooms February-June.
<i>Arctostaphylos crustacea</i> ssp. <i>eastwoodiana</i>	Eastwood's brittle-leaf manzanita			1B.1	Chaparral. In maritime chaparral on sandy soils, in the La Purisima Ridge, Burton Mesa, and Point Sal areas. 295 to 1198 ft in elevation. Blooms Mar.
<i>Arctostaphylos otayensis</i>	Otay manzanita			1B.2	Chaparral, cismontane woodland. Metavolcanic soils with other chaparral associates. 394 to 5003 ft in elevation. Blooms January-April.
<i>Arctostaphylos purissima</i>	La Purisima manzanita			1B.1	Chaparral, coastal scrub. Sandstone outcrops, sandy soil. 197 to 1280 ft in elevation. Blooms November-May.
<i>Arctostaphylos refugioensis</i>	Refugio manzanita			1B.2	Chaparral. On sandstone. 902 to 2690 ft in elevation. Blooms December-March (May).
<i>Arctostaphylos rudis</i>	sand mesa manzanita			1B.2	Chaparral, coastal scrub. On sandy soils in Lompoc/Nipomo area. 66 to 1099 ft in elevation. Blooms November-February.
<i>Astragalus deanei</i>	Dean's milk-vetch			1B.1	Chaparral, cismontane woodland, coastal scrub, riparian forest. Open, brushy south-facing slopes in Diegan coastal sage, sometimes on recently burned-over hillsides. 230 to 2608 ft in elevation. Blooms February-May.
<i>Astragalus didymocarpus</i> var. <i>milesianus</i>	Miles' milk-vetch			1B.2	Coastal scrub. Clay soils. 164 to 1263 ft in elevation. Blooms March-June.
<i>Atriplex coulteri</i>	Coulter's saltbush			1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. Ocean bluffs, ridgetops, as well as alkaline low places or clay soils. 7 to 1509 ft in elevation. Blooms March-October.
<i>Atriplex pacifica</i>	south coast saltscale			1B.2	Coastal scrub, coastal bluff scrub, alkali playas, coastal dunes. Alkali soils. 3 to 1312 ft in elevation. Blooms March-October.

Table 16a Special-Status Plant Species Known or with Potential to Occur in the Southern California Coast (261B) Ecological Section within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Atriplex parishii</i>	Parish's brittle-scale			1B.1	Vernal pools, chenopod scrub, alkali playas. Usually on drying alkali flats with fine soils. 16 to 4659 ft in elevation. Blooms June-October.
<i>Atriplex serenana</i> var. <i>dauidsonii</i>	Davidson's salt-scale			1B.2	Coastal bluff scrub, coastal scrub. Alkaline soil. 33 to 656 ft in elevation. Blooms April-October.
<i>Baccharis malibuensis</i>	Malibu baccharis			1B.1	Coastal scrub, chaparral, cismontane woodland, riparian woodland. In Conejo volcanic substrates, often on exposed roadcuts. Sometimes occupies oak woodland habitat. 492 to 1050 ft in elevation. Blooms August.
<i>Bergerocactus emoryi</i>	golden-spined cereus			2B.2	Coastal scrub, chaparral, closed-cone coniferous forest. Limited to the coastal belt. 10 to 1296 ft in elevation. Blooms May-June.
<i>Bloomeria clevelandii</i>	San Diego goldenstar			1B.1	Chaparral, coastal scrub, valley and foothill grassland, vernal pools. Mesa grasslands, scrub edges; clay soils. Often on mounds between vernal pools in fine, sandy loam. 164 to 1526 ft in elevation. Blooms April-May.
<i>Brodiaea orcuttii</i>	Orcutt's brodiaea			1B.1	Vernal pools, valley and foothill grassland, closed-cone coniferous forest, cismontane woodland, chaparral, meadows and seeps. Mesic, clay habitats; sometimes serpentine; usually in vernal pools and small drainages. 98 to 5299 ft in elevation. Blooms May-July.
<i>Calochortus clavatus</i> var. <i>gracilis</i>	slender mariposa-lily			1B.2	Chaparral, coastal scrub, valley and foothill grassland. Shaded foothill canyons; often on grassy slopes within other habitat. 689 to 5955 ft in elevation. Blooms March-June (November).
<i>Calochortus fimbriatus</i>	late-flowered mariposa-lily			1B.3	Chaparral, cismontane woodland, riparian woodland. Dry, open coastal woodland, chaparral; on serpentine. 886 to 4708 ft in elevation. Blooms June-August.
<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa-lily			1B.2	Coastal scrub, chaparral, valley and foothill grassland. Dry, rocky open slopes and rock outcrops. 197 to 5167 ft in elevation. Blooms May-July.
<i>Carex obispoensis</i>	San Luis Obispo sedge			1B.2	Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland. Usually in transition zone on sand, clay, serpentine, or gabbro. In seeps. 16 to 2772 ft in elevation. Blooms April-June.
<i>Caulanthus amplexicaulis</i> var. <i>barbarae</i>	Santa Barbara jewelflower			1B.1	Closed-cone coniferous forest, cismontane woodland, chaparral. Serpentine soils. 1378 to 4003 ft in elevation. Blooms May-July.
<i>Ceanothus cyaneus</i>	Lakeside ceanothus			1B.2	Closed-cone coniferous forest, chaparral. 656 to 3412 ft in elevation. Blooms April-June.
<i>Ceanothus otayensis</i>	Otay Mountain ceanothus			1B.2	Chaparral. Metavolcanic or gabbroic soils. 246 to 3806 ft in elevation. Blooms January-April.
<i>Ceanothus verrucosus</i>	wart-stemmed ceanothus			2B.2	Chaparral. 3 to 1247 ft in elevation. Blooms December-May.
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant			1B.1	Salt marsh, swamps (margins), valley and foothill grassland. Often in disturbed sites near the coast at marsh edges; also in alkaline soils sometimes with saltgrass. Sometimes on vernal pool margins. 0 to 3199 ft in elevation. Blooms May-November.
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant			1B.1	Valley and foothill grassland, chenopod scrub, meadows and seeps, alkali playas, riparian woodland. Alkali meadow, alkali scrub; also in disturbed places. 16 to 3839 ft in elevation. Blooms April-September.
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Orcutt's pincushion			1B.1	Coastal bluff scrub, coastal dunes. Sandy sites. 10 to 262 ft in elevation. Blooms January-August.
<i>Chenopodium littoreum</i>	coastal goosefoot			1B.2	Coastal dunes. 33 to 98 ft in elevation. Blooms April-August.
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower			1B.1	Coastal scrub, chaparral, cismontane woodland, valley and foothill grassland. Dry slopes and flats; sometimes at interface of 2 vegetation types, such as chaparral and oak woodland; dry, sandy soils. 738 to 4003 ft in elevation. Blooms April-June.
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	long-spined spineflower			1B.2	Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools. Gabbroic clay. 98 to 5052 ft in elevation. Blooms April-July.
<i>Chorizanthe rectispina</i>	straight-awned spineflower			1B.3	Cismontane woodland, coastal scrub. Often on granite in chaparral. 164 to 3412 ft in elevation. Blooms April-July.
<i>Cirsium occidentale</i> var. <i>compactum</i>	compact cobwebby thistle			1B.2	Coastal dunes, coastal prairie, coastal scrub. On dunes and on clay in chaparral; also in grassland. 16 to 492 ft in elevation. Blooms April-June.
<i>Cladium californicum</i>	California saw-grass			2B.2	Meadows and seeps, marshes and swamps (alkaline or freshwater). -66 to 7005 ft in elevation. Blooms June-September.
<i>Clarkia delicata</i>	delicate clarkia			1B.2	Cismontane woodland, chaparral. Often on gabbro soils. 164 to 4462 ft in elevation. Blooms April-June.
<i>Clinopodium chandleri</i>	San Miguel savory			1B.2	Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland. Rocky, gabbroic or metavolcanic substrate. 394 to 3527 ft in elevation. Blooms March-July.
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	summer holly			1B.2	Cismontane woodland. Often in mixed chaparral in California, sometimes post-burn. 98 to 3100 ft in elevation. Blooms April-June.
<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>	Del Mar Mesa sand aster			1B.1	Chaparral, coastal scrub, coastal bluff scrub. In coastal, shrubby communities on maritime sediments and conglomerates; in openings. 49 to 492 ft in elevation. Blooms May-September.
<i>Cylindropuntia californica</i> var. <i>californica</i>	snake cholla			1B.1	Chaparral, coastal scrub. 49 to 951 ft in elevation. Blooms April-May.
<i>Deinandra floribunda</i>	Tecate tarplant			1B.2	Chaparral, coastal scrub. Often in little drainages or disturbed areas. 230 to 4003 ft in elevation. Blooms August-October.
<i>Delphinium parryi</i> ssp. <i>blochmaniae</i>	dune larkspur			1B.2	Chaparral, coastal dunes (maritime). On rocky areas and dunes. 49 to 1230 ft in elevation. Blooms April-June.
<i>Delphinium umbraculorum</i>	umbrella larkspur			1B.3	Cismontane woodland. Mesic sites. 1312 to 5249 ft in elevation. Blooms April-June.

Table 16a Special-Status Plant Species Known or with Potential to Occur in the Southern California Coast (261B) Ecological Section within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Dicranostegia orcuttiana</i>	Orcutt's bird's-beak			2B.1	Found in coastal scrub associations on slopes; also reported from intermittently moist swales, and in washes. 0 to 656 ft in elevation. Blooms (March), April-July (September).
<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	Blochman's dudleya			1B.1	Coastal scrub, coastal bluff scrub, chaparral, valley and foothill grassland. Open, rocky slopes; often in shallow clays over serpentine or in rocky areas with little soil. 16 to 1476 ft in elevation. Blooms April-June.
<i>Dudleya multicaulis</i>	many-stemmed dudleya			1B.2	Chaparral, coastal scrub, valley and foothill grassland. In heavy, often clayey soils or grassy slopes. 49 to 2592 ft in elevation. Blooms April-July.
<i>Dudleya variegata</i>	variegated dudleya			1B.2	Chaparral, coastal scrub, cismontane woodland, valley and foothill grassland. In rocky or clay soils; sometimes associated with vernal pool margins. 10 to 1903 ft in elevation. Blooms April-June.
<i>Dudleya viscida</i>	sticky dudleya			1B.2	Coastal scrub, coastal bluff scrub, chaparral, cismontane woodland. On north and south-facing cliffs and banks. 33 to 1804 ft in elevation. Blooms May-June.
<i>Ericameria palmeri</i> var. <i>palmeri</i>	Palmer's goldenbush			1B.1	Coastal scrub, chaparral. On granitic soils, on steep hillsides. Mesic sites. 16 to 2051 ft in elevation. Blooms (July), September-November.
<i>Erigeron blochmaniae</i>	Blochman's leafy daisy			1B.2	Coastal dunes, coastal scrub. Sand dunes and hills. 10 to 148 ft in elevation. Blooms June-August.
<i>Euphorbia abramsiana</i>	Abrams' spurge			2B.2	Mojavean desert scrub, Sonoran desert scrub. Sandy sites. -148 to 4741 ft in elevation. Blooms (August), September-November.
<i>Euphorbia misera</i>	cliff spurge			2B.2	Coastal bluff scrub, coastal scrub, Mojavean desert scrub. Rocky sites. 10 to 1411 ft in elevation. Blooms December-August (October).
<i>Ferocactus viridescens</i>	San Diego barrel cactus			2B.1	Chaparral, coastal scrub, valley and foothill grassland. Often on exposed, level or south-sloping areas; often in coastal scrub near crest of slopes. 10 to 1608 ft in elevation. Blooms May-June.
<i>Fritillaria ojaiensis</i>	Ojai fritillary			1B.2	Broadleaved upland forest (mesic), chaparral, lower montane coniferous forest, cismontane woodland. Usually loamy soil. Sometimes on serpentine; sometimes along roadsides. 738 to 3281 ft in elevation. Blooms February-May.
<i>Galium proliferum</i>	desert bedstraw			2B.2	Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland. Rocky, limestone substrate. 3904 to 5348 ft in elevation. Blooms March-June.
<i>Grindelia hallii</i>	San Diego gumplant			1B.2	Valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows; associated species commonly include <i>Wyethia</i> , <i>Ranunculus</i> , <i>Sidalcea</i> . 607 to 5725 ft in elevation. Blooms May-October.
<i>Hesperocyparis forbesii</i>	Tecate cypress			1B.1	Closed-cone coniferous forest. Primarily on north-facing slopes; groves often associated with chaparral. On clay or gabbro. 197 to 5397 ft in elevation. Blooms .
<i>Heterotheca sessiliflora</i> ssp. <i>sessiliflora</i>	beach goldenaster			1B.1	Coastal dunes, coastal scrub, chaparral (coastal). Sandy sites. 0 to 16 ft in elevation. Blooms March-December.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia			1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 49 to 5397 ft in elevation. Blooms February-July (September).
<i>Horkelia cuneata</i> var. <i>sericea</i>	Kellogg's horkelia			1B.1	Closed-cone coniferous forest, coastal scrub, coastal dunes, chaparral. Old dunes, coastal sandhills; openings. 16 to 705 ft in elevation. Blooms April-September.
<i>Horkelia truncata</i>	Ramona horkelia			1B.3	Chaparral, cismontane woodland. Habitats in California include: mixed chaparral, vernal streams, and disturbed areas near roads. Clay soil; at least sometimes on gabbro. 1312 to 4265 ft in elevation. Blooms May-June.
<i>Imperata brevifolia</i>	California satintail			2B.1	Coastal scrub, chaparral, riparian scrub, mojavean desert scrub, meadows and seeps (alkali), riparian scrub. Mesic sites, alkali seeps, riparian areas. 10 to 4905 ft in elevation. Blooms September-May.
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush			1B.2	Coastal scrub, chaparral. Sandy soils; often in disturbed sites. 3 to 3002 ft in elevation. Blooms April-November.
<i>Iva hayesiana</i>	San Diego marsh-elder			2B.2	Marshes and swamps, alkali playas. Riverwashes. 3 to 1411 ft in elevation. Blooms April-October.
<i>Juncus luciensis</i>	Santa Lucia dwarf rush			1B.2	Seeps, lower montane coniferous forest, chaparral, Great Basin scrub. Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 984 to 6693 ft in elevation. Blooms April-July.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields			1B.1	Coastal salt marshes, playas, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 3 to 4511 ft in elevation. Blooms February-June.
<i>Layia heterotricha</i>	pale-yellow layia			1B.1	Cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Alkaline or clay soils; open areas. 295 to 5906 ft in elevation. Blooms March-June.
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage			1B.2	Closed-cone coniferous forest, chaparral, cismontane woodland. 1706 to 4495 ft in elevation. Blooms April-July.
<i>Lepechinia ganderi</i>	Gander's pitcher sage			1B.3	Closed-cone coniferous forest, chaparral, coastal scrub, valley and foothill grassland. Usually found in chaparral or coastal scrub; sometimes in tecate cypress woodland. Gabbro or metavolcanic substrate. 1001 to 3297 ft in elevation. Blooms June-July.
<i>Leptosyne maritima</i>	sea dahlia			2B.2	Coastal scrub, coastal bluff scrub. Occurs on a variety of soil types, including sandstone. 16 to 607 ft in elevation. Blooms March-May.
<i>Lonicera subspicata</i> var. <i>subspicata</i>	Santa Barbara honeysuckle			1B.2	Chaparral, cismontane woodland, coastal scrub. 16 to 2707 ft in elevation. Blooms May-August (December),(February).
<i>Lupinus paynei</i>	Payne's bush lupine			1B.1	Coastal scrub, riparian scrub, valley and foothill grassland. Sandy. 722 to 1377 ft in elevation. Blooms March-April (May-July).
<i>Malacothamnus davidsonii</i>	Davidson's bush-mallow			1B.2	Coastal scrub, riparian woodland, chaparral, cismontane woodland. Sandy washes. 492 to 5003 ft in elevation. Blooms June-January.
<i>Monardella hypoleuca</i> ssp. <i>hypoleuca</i>	white-veined monardella			1B.3	Chaparral, cismontane woodland. Dry slopes. 164 to 5003 ft in elevation. Blooms (April), May-August (September),(October),(November),(December).
<i>Monardella hypoleuca</i> ssp. <i>intermedia</i>	intermediate monardella			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest (sometimes). Often in steep, brushy areas. 640 to 54954 ft in elevation. Blooms April-September.
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	felt-leaved monardella			1B.2	Cismontane woodland. Occurs in understory in mixed chaparral, chamise chaparral, and southern oak woodland; sandy soil. 984 to 5167 ft in elevation. Blooms June-August.

Table 16a Special-Status Plant Species Known or with Potential to Occur in the Southern California Coast (261B) Ecological Section within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Monardella sinuata</i> ssp. <i>geryi</i>	Gerry's curly-leaved monardella			1B.1	Coastal scrub. Sandy openings. 492 to 804 ft in elevation. Blooms April-June.
<i>Monardella sinuata</i> ssp. <i>sinuata</i>	southern curly-leaved monardella			1B.2	Coastal dunes, coastal scrub, chaparral, cismontane woodlands. Sandy soils. 0 to 984 ft in elevation. Blooms April-September.
<i>Monardella stoneana</i>	Jennifer's monardella			1B.2	Coastal scrub, chaparral, closed cone coniferous forest, riparian scrub. Usually found in rocky, intermittent streambeds. 33 to 2592 ft in elevation. Blooms June-September.
<i>Monardella undulata</i> ssp. <i>arguelloensis</i>	Point Arguello monardella			1B.1	Coastal bluff scrub, coastal dunes (stabilized), coastal scrub. Sandy substrate. 164 to 492 ft in elevation. Blooms May-September.
<i>Monardella undulata</i> ssp. <i>crispa</i>	crisp monardella			1B.2	Coastal dunes, coastal scrub. Often on the borders of open, sand areas, usually adjacent to typical backdune scrub vegetation. 33 to 394 ft in elevation. Blooms April-August (December).
<i>Monardella undulata</i> ssp. <i>undulata</i>	San Luis Obispo monardella			1B.2	Coastal dunes, coastal scrub. Stabilized sand of the immediate coast. 33 to 656 ft in elevation. Blooms May-September.
<i>Nama stenocarpa</i>	mud nama			2B.2	Marshes and swamps. Lake shores, river banks, intermittently wet areas. 16 to 1640 ft in elevation. Blooms January-July.
<i>Navarretia ojaiensis</i>	Ojai navarretia			1B.1	Chaparral, coastal scrub, valley and foothill grassland. Openings in shrublands or grasslands. 902 to 2034 ft in elevation. Blooms May-July.
<i>Navarretia peninsularis</i>	Baja navarretia			1B.2	Lower montane coniferous forest, chaparral, meadows and seeps, pinyon and juniper woodland. Wet areas in open forest. 3773 to 7759 ft in elevation. Blooms (May), June-August.
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia			1B.1	Coastal scrub, valley and foothill grassland, vernal pools, meadows and seeps. Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 10 to 4052 ft in elevation. Blooms April-July.
<i>Nolina cismontana</i>	chaparral nolina			1B.2	Chaparral, coastal scrub. Primarily on sandstone and shale substrates; also known from gabbro. 459 to 4183 ft in elevation. Blooms (March), May-July.
<i>Penstemon californicus</i>	California beardtongue			1B.2	Chaparral, lower montane coniferous forest, pinyon and juniper woodland. Stony slopes and shrubby openings; sandy or granitic soils. 3839 to 7546 ft in elevation. Blooms May-June (August).
<i>Pentachaeta aurea</i> ssp. <i>allenii</i>	Allen's pentachaeta			1B.1	Openings in valley and foothill grasslands, coastal scrub. 246 to 1706 ft in elevation. Blooms March-June.
<i>Pleuridium mexicanum</i>	Mexican earthmoss			2B.1	Chaparral. Sandstone. 1444 to 1444 ft in elevation.
<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco			2B.2	Riparian woodland, cismontane woodland, coastal scrub, chaparral. Sandy, gravelly sites. 115 to 1690 ft in elevation. Blooms (July), August-November (December).
<i>Quercus cedrosensis</i>	Cedros Island oak			2B.2	Closed-cone coniferous forest, chaparral, coastal scrub. 427 to 3199 ft in elevation. Blooms April-May.
<i>Quercus dumosa</i>	Nuttall's scrub oak			1B.1	Closed-cone coniferous forest, chaparral, coastal scrub. Generally on sandy soils near the coast; sometimes on clay loam. 49 to 1312 ft in elevation. Blooms February-April (May),(August).
<i>Ribes divaricatum</i> var. <i>parishii</i>	Parish's gooseberry			1A	Riparian woodland. <i>Salix</i> swales in riparian habitats. 213 to 984 ft in elevation. Blooms February-April.
<i>Salvia munzii</i>	Munz's sage			2B.2	Coastal scrub, chaparral. Rolling hills and slopes, in rocky soil. 115 to 1886 ft in elevation. Blooms February-April.
<i>Scrophularia atrata</i>	black-flowered figwort			1B.2	Closed-cone coniferous forest, chaparral, coastal dunes, coastal scrub, riparian scrub. Sand, diatomaceous shales, and soils derived from other parent material; around swales and in sand dunes. 33 to 804 ft in elevation. Blooms March-July.
<i>Senecio aphanactis</i>	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
<i>Sidalcea neomexicana</i>	salt spring checkerbloom			2B.2	Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub. Alkali springs and marshes. 0 to 5020 ft in elevation. Blooms March-June.
<i>Spermolepis lateriflora</i>	western bristly scaleseed			2A	Sonoran desert scrub. Rocky or sandy. 1198 to 2198 ft in elevation. Blooms March-April.
<i>Stemodia durantifolia</i>	purple stemodia			2B.1	Sonoran desert scrub. Sandy soils; mesic sites. 115 to 1263 ft in elevation. Blooms January-December.
<i>Suaeda esteroa</i>	estuary seablite			1B.2	Swamps. Coastal salt marshes in clay, silt, and sand substrates. 0 to 16 ft in elevation. Blooms May-October (January).
<i>Symphotrichum defoliatum</i>	San Bernardino aster			1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernal mesic grassland or near ditches, streams and springs; disturbed areas. 7 to 6693 ft in elevation. Blooms July-November.
<i>Tetracoccus dioicus</i>	Parry's tetracoccus			1B.2	Chaparral, coastal scrub. Stony, decomposed gabbro soil. 541 to 3281 ft in elevation. Blooms April-May.
<i>Thelypteris puberula</i> var. <i>sonorensis</i>	Sonoran maiden fern			2B.2	Meadows and seeps. Along streams, seepage areas. 164 to 2001 ft in elevation. Blooms January-September.
<i>Tortula californica</i>	California screw moss			1B.2	Chenopod scrub, valley and foothill grassland. Moss growing on sandy soil. 33 to 4790 ft in elevation.
<i>Triquetrella californica</i>	coastal triquetrella			1B.2	Grows within 30m from the coast in coastal scrub, grasslands and in open gravels on roadsides, hillsides, rocky slopes, and fields. On gravel or thin soil over outcrops. 33 to 328 ft in elevation. Blooms .
<i>Viguiera purisimae</i>	La Purisima viguiera			2B.3	Coastal bluff scrub, chaparral. Dry, rocky places in open shrubland. 1198 to 1394 ft in elevation. Blooms April-September.

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere

Table 16a Special-Status Plant Species Known or with Potential to Occur in the Southern California Coast (261B) Ecological Section within the Treatment Areas

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	

R = Rare

Threat Ranks

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

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

0.3 - Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW

Table 16b Special-Status Wildlife Species Known or with Potential to Occur in the Southern California Coast Ecological Section (261B)																					
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redhank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Eucalyptus	Mixed Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Segebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	
CDFW Species of Special Concern																					
<i>Ammodramus savannarum</i>	grasshopper sparrow		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	776,726
<i>Asio flammeus</i>	short-eared owl		SC	X					X	X		X									301
<i>Asio otus</i>	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	599,975
<i>Athene cucularia</i>	burrowing owl		SC	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	286,725
<i>Aythya Americana</i>	redhead ²		SC	X			X	X	X	X	X	X	X		X	X			X		116,105
<i>Campylorhynchus brunneicapillus sandiegensis</i>	San Diego cactus wren		SC	X			X		X	X	X	X	X		X	X			X		74,950
<i>Charadrius montanus</i>	mountain plover		SC	X					X	X	X	X				X			X		5,455
<i>Circus hudsonius</i>	northern harrier		SC	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	335,594
<i>Cistothorus palustris clarkae</i>	Clark's marsh wren ²		SC	X			X	X	X	X	X	X							X		11,567
<i>Contopus cooperi</i>	olive-sided flycatcher		SC	X	X		X	X	X	X	X	X	X	X		X		X	X	X	211,519
<i>Coturnicops noveboracensis</i>	yellow rail ²		SC	X						X						X					-
<i>Cypseloides niger</i>	black swift		SC	X					X	X		X	X								267
<i>Fratercula cirrhata</i>	tufted puffin ²		SC							X											<1
<i>Icteria virens</i>	yellow-breasted chat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	851,656
<i>Ixobrychus exilis</i>	least bittern ²		SC	X			X	X	X	X	X	X	X	X				X	X	X	69,857
<i>Lanius ludovicianus</i>	loggerhead shrike		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Oceanodroma homochroa</i>	ashy storm-petrel ²		SC							X											<1
<i>Passerculus sandwichensis alaudinus</i>	Bryant's savannah sparrow		SC	X					X	X									X		<1
<i>Poocetes gramineus affinis</i>	Oregon vesper sparrow		SC	X			X	X	X	X	X	X	X		X	X			X		175,383
<i>Progne subis</i>	purple martin		SC	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	189,939
<i>Ptychoramphus aleuticus</i>	Cassin's auklet ²		SC							X											<1
<i>Pyrocephalus rubinus</i>	vermillion flycatcher		SC	X			X	X	X	X	X				X	X			X		3,577
<i>Setophaga petechia</i>	yellow warbler		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Strix occidentalis occidentalis</i>	California spotted owl		SC	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	102,204
<i>Vireo vicinior</i>	gray vireo		SC	X			X		X	X		X						X		X	2,111
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird ²		SC	X	X						X										31
Invertebrates																					
Federal and State Listed/CDFW Fully Protected																					
<i>Bombus crotchii</i>	Crotch bumble bee ²		C	X	X	X		X	X	X			X	X	X	X		X	X	X	431,237
<i>Branchinecta conservatio</i>	conservancy fairy shrimp ²		E	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	277,098
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp ²		T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	673,685
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp ²		E	X			X	X	X	X	X				X				X		59,959
<i>Euphilotes battoides allyni</i>	El Segundo blue butterfly		E	X				X	X	X	X	X	X	X					X	X	76,434

Table 16b Special-Status Wildlife Species Known or with Potential to Occur in the Southern California Coast Ecological Section (261B)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																Total Acreage of Associated CWHR Types within the Treatable Landscape ¹	
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redhank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Eucalyptus	Mixed Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Segebrush	Sierran Mixed Conifer	Valley Foothill Riparian		Valley Oak Woodland
<i>Euphydryas editha quino</i>	quino checkerspot butterfly	E		X			X	X	X	X	X	X			X	X			X		124,529
<i>Glaucopteryx lygdamus palosverdesensis</i>	Palos Verdes blue butterfly	E		X			X		X	X		X		X	X	X		X	X	X	79,388
<i>Lycaena hermes</i>	Hermes copper butterfly	C		X			X	X	X	X	X					X			X		45,297
<i>Monadenia infumata setosa</i>	Trinity bristle snail		T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,277
<i>Rhaphiomidas terminatus abdominalis</i>	Delhi Sands flower-loving fly	E		X															X		32
<i>Speyeria callippe callippe</i>	callippe silverspot butterfly	E		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	673,623
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp ²	E		X			X	X	X	X	X		X	X	X			X	X	X	125,655
Mammals																					
Federal and State Listed/CDFW Fully Protected																					
<i>Arctocephalus townsendi</i>	Guadalupe fur-seal ²	T	T FP							X											<1
<i>Bassariscus astutus</i>	ringtail		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	E	T	X			X	X	X	X	X	X		X	X				X		115,797
<i>Ovis canadensis nelsoni</i>	desert bighorn sheep		FP	X					X	X	X	X	X	X				X	X		3,934
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	E	SC	X			X		X	X	X		X	X	X			X	X	X	82,125
<i>Sorex ornatus relictus</i>	Buena Vista Lake ornate shrew	E	SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	673,623
<i>Vulpes vulpes necator</i>	Sierra Nevada red fox	C	T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,276
CDFW Species of Special Concern																					
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Chaetodipus californicus femoralis</i>	Dulzura pocket mouse		SC	X			X			X		X				X	X				-
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse		SC	X			X			X	X	X			X	X	X		X		-
<i>Choeronycteris mexicana</i>	Mexican long-tongued bat		SC	X			X	X	X	X	X					X			X		52,779
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Euderma maculatum</i>	spotted bat		SC	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	352,673
<i>Eumops perotis californicus</i>	western mastiff bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Lasiurus blossevillii</i>	western red bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Lasiurus xanthinus</i>	western yellow bat		SC	X			X	X	X	X	X	X		X	X				X		183,721
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit		SC	X			X			X		X				X	X		X		-
<i>Microtus californicus</i>	California leaf-nosed bat		SC	X				X	X	X		X							X		7,326
<i>Microtus californicus stephensi</i>	south coast marsh vole ²		SC	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	393,388
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat		SC	X			X	X	X	X	X	X		X	X				X		179,039
<i>Nyctinomops macrotis</i>	big free-tailed bat		SC	X					X	X		X				X			X		10,706
<i>Onychomys torridus ramona</i>	southern grasshopper mouse		SC	X			X			X		X				X			X		-

Table 16b Special-Status Wildlife Species Known or with Potential to Occur in the Southern California Coast Ecological Section (261B)																					
Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
		Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redhank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Eucalyptus	Mixed Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Segebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse		SC	X			X			X		X				X	X				-
<i>Sorex ornatus salicornicus</i>	southern California saltmarsh shrew ²		SC	X						X						X			X		-
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
Reptiles																					
CDFW Species of Special Concern																					
<i>Anniella</i> sp.	California legless lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Arizona elegans occidentalis</i>	California glossy snake		SC	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	387,733
<i>Aspidoscelis tigris stejnegeri</i>	coastal whiptail		SC	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	490,183
<i>Coleonyx variegatus abbotti</i>	San Diego banded gecko		SC	X			X	X	X	X	X				X				X		91,511
<i>Crotalus ruber</i>	red-diamond rattlesnake		SC	X			X	X	X	X	X	X		X	X				X		179,326
<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Masticophis fuliginosus</i>	Baja California coachwhip		SC	X				X	X	X					X				X		32,388
<i>Phrynosoma blainvillii</i>	coast horned lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	855,892
<i>Thamnophis hammondi</i>	two-striped gartersnake ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	860,305
<i>Thamnophis sirtalis</i> pop. 1	south coast gartersnake ²		SC	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	390,451
<p>Listing Status E = Endangered T = Threatened C = Candidate for listing FP = Fully Protected SC = CDFW Species of Special Concern</p> <p>¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available. ² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in listed CWHR types if they are adjacent to suitable aquatic habitat.</p> <p>Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and USFWS in 2019</p>																					

Table 17a Special-Status Plant Species Known or with Potential to Occur in the Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Acanthomintha ilicifolia</i>	San Diego thorn-mint	T	E	1B.1	Chaparral, coastal scrub, valley and foothill grassland, vernal pools. Endemic to active vertisol clay soils of mesas and valleys. Usually on clay lenses within grassland or chaparral communities. 82 to 3100 ft in elevation. Blooms April-June.
<i>Acanthoscyphus parishii</i> var. <i>goodmaniana</i>	Cushenbury oxytheca	E		1B.1	Pinyon and juniper woodland. On limestone talus and rocky slopes. 4593 to 7808 ft in elevation. Blooms May-October.
<i>Allium munzii</i>	Munz's onion	E	T	1B.1	Chaparral, coastal scrub, cismontane woodland, pinyon and juniper woodland, valley and foothill grassland. Heavy clay soils; grows in grasslands and openings within shrublands or woodlands. 1230 to 3412 ft in elevation. Blooms March-May.
<i>Ambrosia pumila</i>	San Diego ambrosia	E		1B.1	Chaparral, coastal scrub, valley and foothill grassland. Sandy loam or clay soil; sometimes alkaline. In valleys; persists where disturbance has been superficial. Sometimes on margins or near vernal pools. 10 to 1903 ft in elevation. Blooms April-October.
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	Del Mar manzanita	E		1B.1	Sandy coastal mesas and ocean bluffs; in chaparral or Torrey pine forest. 98 to 1198 ft in elevation. Blooms December-June.
<i>Arenaria paludicola</i>	marsh sandwort	E	E	1B.1	Growing up through dense mats of Typha, Juncus, Scirpus, etc. in freshwater marsh. Sandy soil. 10 to 558 ft in elevation. Blooms May-August.
<i>Astragalus albens</i>	Cushenbury milk-vetch	E		1B.1	Desert wash. Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland. Sandy or stony flats, rocky hillsides, canyon washes, and fans, on carbonate or mixed granitic-calcareous debris. 3888 to 6398 ft in elevation. Blooms March-June.
<i>Astragalus brauntonii</i>	Braunton's milk-vetch	E		1B.1	Chaparral, coastal scrub, valley and foothill grassland. Recent burns or disturbed areas; usually on sandstone with carbonate layers. Soil specialist; requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. 10 to 2100 ft in elevation. Blooms January-August.
<i>Astragalus lentiginosus</i> var. <i>coachellae</i>	Coachella Valley milk-vetch	E		1B.2	Sonoran desert scrub, desert dunes. Sandy flats, washes, outwash fans, sometimes on dunes. 115 to 2280 ft in elevation. Blooms February-May.
<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch	E		1B.2	Joshua tree woodland, Sonoran desert scrub. Hot, rocky slopes in canyons and along edge of boulder-strewn desert washes, with Larrea and Encelia. 1493 to 5003 ft in elevation. Blooms February-May.
<i>Atriplex coronata</i> var. <i>notatior</i>	San Jacinto Valley crownscale	E		1B.1	Playas, valley and foothill grassland, vernal pools. Alkaline areas in the San Jacinto River Valley. 1247 to 1509 ft in elevation. Blooms April-August.
<i>Baccharis vanessae</i>	Encinitas baccharis	T	E	1B.1	Chaparral, cismontane woodland. On sandstone soils in steep, open, rocky areas with chaparral associates. 131 to 2805 ft in elevation. Blooms August-November.
<i>Berberis nevinii</i>	Nevin's barberry	E	E	1B.1	Chaparral, cismontane woodland, coastal scrub, riparian scrub. On steep, N-facing slopes or in low grade sandy washes. 951 to 5167 ft in elevation. Blooms (February), March-June.
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	T	E	1B.1	Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools. Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Occurs in openings on clay soils. 49 to 3346 ft in elevation. Blooms March-June.
<i>Calochortus dunnii</i>	Dunn's mariposa-lily		R	1B.2	Closed-cone coniferous forest, chaparral, valley and foothill grassland. On gabbro or metavolcanic soils; also known from sandstone; often associated with chaparral. 837 to 5299 ft in elevation. Blooms (February), April-June.
<i>Castilleja cinerea</i>	ash-gray paintbrush	T		1B.2	Pebble plains, upper montane coniferous forest, Mojavean desert scrub, meadows, pinyon and juniper woodland. Endemic to the San Bernardino Mountains, in clay openings; often in meadow edges. 2379 to 9006 ft in elevation. Blooms June-August.
<i>Castilleja gleasoni</i>	Mt. Gleason paintbrush		R	1B.2	Lower montane coniferous forest, chaparral, pinyon and juniper woodland. On open flats or slopes in granitic soil. Restricted to the San Gabriel Mountains. 3806 to 7119 ft in elevation. Blooms May-June (September).
<i>Ceanothus ophiochilus</i>	Vail Lake ceanothus	T	E	1B.1	Gabbro seams in chaparral, on north-facing ridges on the eastern sides of mountains. 2034 to 3002 ft in elevation. Blooms February-March.
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's-beak	E	E	1B.2	Marshes and swamps, coastal dunes, salt marsh, wetland. Limited to the higher zones of salt marsh habitat. 0 to 33 ft in elevation. Blooms May-October.
<i>Chorizanthe parryi</i> var. <i>fernandina</i>	San Fernando Valley spineflower	C	E	1B.1	Coastal scrub, valley and foothill grassland. Sandy soils. 49 to 3330 ft in elevation. Blooms April-July.
<i>Deinandra mohavensis</i>	Mojave tarplant		E	1B.3	Riparian scrub, coastal scrub, chaparral. Low sand bars in river bed; mostly in riparian areas or in ephemeral grassy areas. 2100 to 5249 ft in elevation. Blooms (May), June-October (January).
<i>Delphinium hesperium</i> ssp. <i>cuyamaca</i>	Cuyamaca larkspur		R	1B.2	Lower montane coniferous forest, meadows and seeps, vernal pools. Usually found in low, moist areas within meadows. 3986 to 6086 ft in elevation. Blooms May-July.
<i>Dieteria asteroides</i> var. <i>lagunensis</i>	Mt. Laguna aster		R	2B.1	Cismontane woodland, lower montane coniferous forest. Openings in woodland or forest. 2986 to 6004 ft in elevation. Blooms (May), July-August.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	E	E	1B.1	Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub). Flood deposited terraces and washes; associates include Encelia, Dalea, Lepidospartum, etc. Sandy soils. 656 to 2510 ft in elevation. Blooms April-June.
<i>Downingia concolor</i> var. <i>brevior</i>	Cuyamaca Lake downingia		E	1B.1	Meadows and seeps, vernal pools. In vernal seeps, lakes and pools, and on mudflats, with Orthocarpus, Limnanthes, Collinsia. 4593 to 4921 ft in elevation. Blooms May-July.
<i>Eremalche parryi</i> ssp. <i>kernensis</i>	Kern mallow	E		1B.2	Chenopod scrub, valley and foothill grassland, pinyon and juniper woodlands. On dry, open sandy to clay soils; usually within valley saltbush scrub; often at edge of balds. 230 to 4249 ft in elevation. Blooms January (February), March-May.
<i>Eremogone ursina</i>	Big Bear Valley sandwort	T		1B.2	Pebble plain, pinyon and juniper woodland, meadows and seeps. Mesic, rocky sites. 5889 to 9498 ft in elevation. Blooms May-August.
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	E	E	1B.1	Coastal scrub, chaparral. In sandy soils on river floodplains or terraced fluvial deposits. 591 to 2297 ft in elevation. Blooms April-September.

Table 17a Special-Status Plant Species Known or with Potential to Occur in the Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Erigeron parishii</i>	Parish's daisy	T		1B.1	Mojavean desert scrub, pinyon and juniper woodland. Often on carbonate; limestone mountain slopes; often associated with drainages. Sometimes on granite. 3445 to 6398 ft in elevation. Blooms May-August.
<i>Eriogonum kennedyi</i> var. <i>austromontanum</i>	southern mountain buckwheat	T		1B.2	Pebble (pavement) plain, lower montane coniferous forest. Usually found in pebble plain habitats. 5791 to 9908 ft in elevation. Blooms June-September.
<i>Eriogonum ovalifolium</i> var. <i>vineum</i>	Cushenbury buckwheat	E		1B.1	Mojavean desert scrub, pinyon and juniper woodland, Joshua tree woodland. Limestone mountain slopes. Dry, usually rocky places. 4692 to 8005 ft in elevation. Blooms May-August.
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button-celery	E	E	1B.1	Vernal pools, coastal scrub, valley and foothill grassland, wetland. San Diego mesa hardpan and claypan vernal pools and southern interior basalt flow vernal pools; usually surrounded by scrub. 49 to 2887 ft in elevation. Blooms April-June.
<i>Fremontodendron mexicanum</i>	Mexican flannelbush	E	R	1B.1	Closed-cone coniferous forest, chaparral, cismontane woodland. Usually scattered along the borders of creeks or in dry canyons; found on gabbro, serpentine, or metavolcanics. 984 to 1608 ft in elevation. Blooms March-June.
<i>Galium angustifolium</i> ssp. <i>borregoense</i>	Borrego bedstraw		R	1B.3	Sonoran desert scrub. Steep walls and (usually north) slopes in rocky watersheds or canyons. 1148 to 4101 ft in elevation. Blooms March (May).
<i>Limnanthes alba</i> ssp. <i>parishii</i>	Parish's meadowfoam		E	1B.2	Lower montane coniferous forest, meadows and seeps, vernal pools. Vernal moist areas and temporary seeps of highland meadows and plateaus; often bordering lakes and streams. 1985 to 5922 ft in elevation. Blooms April-June.
<i>Navarretia fossalis</i>	spreading navarretia	T		1B.1	Alkali playa, wetland. Vernal pools, chenopod scrub, marshes and swamps, playas. San Diego hardpan and San Diego claypan vernal pools; in swales and vernal pools, often surrounded by other habitat types. 49 to 2789 ft in elevation. Blooms April-June.
<i>Nemacladus twisselmannii</i>	Twisselmann's nemacladus		R	1B.2	Upper montane coniferous forest. Sandy or rocky granitic soils, open ridgetops and gentle slopes in Jeffrey pine forest. 3986 to 7808 ft in elevation. Blooms July.
<i>Nolina interrata</i>	Dehesa nolina		E	1B.1	Chaparral. Typically on rocky hillsides or ravines on ultramafic soils (gabbro, serpentine, or metavolcanic). 837 to 2411 ft in elevation. Blooms June-July.
<i>Orcuttia californica</i>	California Orcutt grass	E	E	1B.1	Vernal pools, wetland. 33 to 2165 ft in elevation. Blooms April-August.
<i>Packera ganderi</i>	Gander's ragwort		R	1B.2	Chaparral. Recently burned sites and gabbro outcrops. 1591 to 3510 ft in elevation. Blooms April-June.
<i>Physaria kingii</i> ssp. <i>bernardina</i>	San Bernardino Mountains bladderpod	E		1B.1	Pinyon and juniper woodland, lower montane coniferous forest, subalpine coniferous forest. Dry sandy to rocky carbonate soils. 6070 to 8858 ft in elevation. Blooms May-June.
<i>Poa atropurpurea</i>	San Bernardino blue grass	E		1B.2	Meadows and seeps. Mesic meadows of open pine forests and grassy slopes, loamy alluvial to sandy loam soil. 4117 to 8711 ft in elevation. Blooms (April), May-July (August).
<i>Sidalcea hickmanii</i> ssp. <i>parishii</i>	Parish's checkerbloom		R	1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Disturbed burned or cleared areas on dry, rocky slopes, in fuel breaks and fire roads along the mountain summits. 3593 to 7005 ft in elevation. Blooms (May), June-August.
<i>Sidalcea pedata</i>	bird-foot checkerbloom	E	E	1B.1	Meadows and seeps, pebble plains. Vernal mesic sites in meadows or pebble plains. 6037 to 7562 ft in elevation. Blooms May-August.
<i>Taraxacum californicum</i>	California dandelion	E		1B.1	Meadows and seeps. Mesic meadows, usually free of taller vegetation. 5315 to 8497 ft in elevation. Blooms May-August.
<i>Thelypodium stenopetalum</i>	slender-petaled thelypodium	E	E	1B.1	Meadows and seeps. Seasonally moist alkaline clay soils; associated with seeps and springs in the pebble plains. 6709 to 7349 ft in elevation. Blooms May-September.
California Rare Plant Ranked					
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena			1B.1	Chaparral, coastal scrub, desert dunes. Sandy areas. 246 to 5249 ft in elevation. Blooms January-September.
<i>Acanthoscyphus parishii</i> var. <i>abramsii</i>	Abrams' oxytheca			1B.2	Chaparral. Shale or sandy places. 5495 to 6808 ft in elevation. Blooms June-August.
<i>Acanthoscyphus parishii</i> var. <i>cienezensis</i>	Cienega Seca oxytheca			1B.3	Upper montane coniferous forest, pinyon and juniper woodland, Joshua tree woodland. Dry gravelly banks and granitic sand. 6299 to 8399 ft in elevation. Blooms (May), June-September.
<i>Acmispon haydonii</i>	pygmy lotus			1B.3	Sonoran desert scrub, pinyon and juniper woodland. Creosote bush scrub to pinyon-juniper woodland; rocky sites. 591 to 4199 ft in elevation. Blooms January-June.
<i>Allium howellii</i> var. <i>clokeyi</i>	Mt. Pinos onion			1B.3	Great Basin scrub, pinyon and juniper woodland, meadows and seeps (edges). 4544 to 5906 ft in elevation. Blooms April-June.
<i>Allium marvinii</i>	Yucaipa onion			1B.2	Chaparral. In openings on clay soils. 2789 to 3510 ft in elevation. Blooms April-May.
<i>Almutaster pauciflorus</i>	alkali marsh aster			2B.2	Meadow and seeps. Alkaline. 197 to 2509 ft in elevation. Blooms June-October.
<i>Ambrosia monogyra</i>	singlewhorl burrobush			2B.2	Chaparral, Sonoran desert scrub. Sandy soils. 16 to 1558 ft in elevation. Blooms August-November.
<i>Arctostaphylos glandulosa</i> ssp. <i>gabrielensis</i>	San Gabriel manzanita			1B.2	Chaparral. Rocky outcrops; can be dominant shrub where it occurs. 3150 to 6611 ft in elevation. Blooms Mar.
<i>Arctostaphylos otayensis</i>	Otay manzanita			1B.2	Chaparral, cismontane woodland. Metavolcanic soils with other chaparral associates. 394 to 5003 ft in elevation. Blooms January-April.
<i>Arctostaphylos rainbowensis</i>	Rainbow manzanita			1B.1	Chaparral. Usually found in gabbro chaparral. 328 to 2854 ft in elevation. Blooms December-March.
<i>Astragalus bernardinus</i>	San Bernardino milk-vetch			1B.2	Joshua tree woodland, pinyon and juniper woodland. Granitic or carbonate substrates. 902 to 7500 ft in elevation. Blooms April-June.
<i>Astragalus deanei</i>	Dean's milk-vetch			1B.1	Chaparral, cismontane woodland, coastal scrub, riparian forest. Open, brushy south-facing slopes in Diegan coastal sage, sometimes on recently burned-over hillsides. 230 to 2608 ft in elevation. Blooms February-May.

Table 17a Special-Status Plant Species Known or with Potential to Occur in the Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Astragalus didymocarpus</i> var. <i>milesianus</i>	Miles' milk-vetch			1B.2	Coastal scrub. Clay soils. 164 to 1263 ft in elevation. Blooms March-June.
<i>Astragalus douglasii</i> var. <i>perstrictus</i>	Jacumba milk-vetch			1B.2	Chaparral, cismontane woodland, valley and foothill grassland, pinyon and juniper woodland, riparian scrub. Stony hillsides and gravelly or sandy flats in open oak woodland. 1640 to 4511 ft in elevation. Blooms April-June.
<i>Astragalus insularis</i> var. <i>harwoodii</i>	Harwood's milk-vetch			2B.2	Desert dunes, Mojavean desert scrub. Open sandy flats and sandy or stony desert washes; mostly in creosote bush scrub. 164 to 2297 ft in elevation. Blooms January-May.
<i>Astragalus lentiginosus</i> var. <i>antoniuis</i>	San Antonio milk-vetch			1B.3	Lower montane coniferous forest, upper montane coniferous forest. Dry slopes in open yellow pine forest. 4987 to 8448 ft in elevation. Blooms April-July.
<i>Astragalus lentiginosus</i> var. <i>sierrae</i>	Big Bear Valley milk-vetch			1B.2	Mojavean desert scrub, meadows and seeps, pinyon and juniper woodland, upper montane coniferous forest. Stony meadows and open pinewoods; sandy and gravelly soils in a variety of habitats. 5610 to 10597 ft in elevation. Blooms April-August.
<i>Astragalus leucolobus</i>	Big Bear Valley woollypod			1B.2	Lower montane coniferous forest, pebble plain, pinyon and juniper woodland, upper montane coniferous forest. Dry pine woods, gravelly knolls among sagebrush, or stony lake shores in the pine belt. 4790 to 9498 ft in elevation. Blooms May-July.
<i>Astragalus oocarpus</i>	San Diego milk-vetch			1B.2	Chaparral, cismontane woodland. Openings in chaparral or on gravelly flats and slopes in thin oak woodland. 394 to 5889 ft in elevation. Blooms May-August.
<i>Astragalus pachypus</i> var. <i>jaegeri</i>	Jaeger's milk-vetch			1B.1	Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland. Dry ridges and valleys and open sandy slopes; often in grassland and oak-chaparral. 1198 to 3002 ft in elevation. Blooms December-June.
<i>Astragalus sabulorum</i>	gravel milk-vetch			2B.2	Desert dunes, Mojavean desert scrub, Sonoran desert scrub. Sandy or gravelly flats, washes, and roadsides. 197 to 2904 ft in elevation. Blooms February-June.
<i>Atriplex coulteri</i>	Coulter's saltbush			1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. Ocean bluffs, ridgetops, as well as alkaline low places. Alkaline or clay soils. 7 to 1509 ft in elevation. Blooms March-October.
<i>Atriplex parishii</i>	Parish's brittlescale			1B.1	Alkali playa, wetland. Vernal pools, chenopod scrub, playas. Usually on drying alkali flats with fine soils. 16 to 4659 ft in elevation. Blooms June-October.
<i>Atriplex serenana</i> var. <i>davidsonii</i>	Davidson's saltscale			1B.2	Coastal bluff scrub, coastal scrub. Alkaline soil. 33 to 656 ft in elevation. Blooms April-October.
<i>Ayenia compacta</i>	California ayenia			2B.3	Mojavean desert scrub, Sonoran desert scrub. Sandy and gravelly washes in the desert; dry desert canyons. 197 to 6004 ft in elevation. Blooms March-April.
<i>Bloomeria clevelandii</i>	San Diego goldenstar			1B.1	Chaparral, coastal scrub, valley and foothill grassland, vernal pools. Mesa grasslands, scrub edges; clay soils. Often on mounds between vernal pools in fine, sandy loam. 164 to 1526 ft in elevation. Blooms April-May.
<i>Boechea dispar</i>	pinyon rockcress			2B.3	Joshua tree woodland, pinyon and juniper woodland, Mojavean desert scrub. Granitic, gravelly slopes and mesas. Often under desert shrubs which support it as it grows. 3297 to 9203 ft in elevation. Blooms March-June.
<i>Boechea hirshbergiae</i>	Hirshberg's rockcress			1B.2	Pebble (or pavement) plains. 4593 to 4642 ft in elevation. Blooms March-May.
<i>Boechea johnstonii</i>	Johnston's rockcress			1B.2	Chaparral, lower montane coniferous forest. Often on eroded clay soils. With <i>Adenostoma</i> , <i>Quercus wislizenii</i> . 4478 to 8497 ft in elevation. Blooms February-June.
<i>Boechea lincolnensis</i>	Lincoln rockcress			2B.3	Chenopod scrub, Mojavean desert scrub. On limestone. 2887 to 7907 ft in elevation. Blooms March-May.
<i>Boechea parishii</i>	Parish's rockcress			1B.2	Pebble plain, pinyon and juniper woodland, upper montane coniferous forest. Generally found on pebble plains on clay soil with quartzite cobbles; sometimes on limestone. 5988 to 9203 ft in elevation. Blooms April-May.
<i>Boechea shockleyi</i>	Shockley's rockcress			2B.2	Pinyon and juniper woodland. On ridges, rocky outcrops and openings on limestone or quartzite; usually in pinyon or p-j series. 2871 to 7579 ft in elevation. Blooms May-June.
<i>Botrychium crenulatum</i>	scalloped moonwort			2B.2	Bogs and fens, meadows and seeps, upper montane coniferous forest, lower montane coniferous forest, marshes and swamps. Moist meadows, freshwater marsh, and near creeks. 3888 to 10203 ft in elevation. Blooms June-September.
<i>Brodiaea orcuttii</i>	Orcutt's brodiaea			1B.1	Vernal pools, valley and foothill grassland, closed-cone coniferous forest, cismontane woodland, chaparral, meadows and seeps. Mesic, clay habitats; sometimes serpentine; usually in vernal pools and small drainages. 98 to 5299 ft in elevation. Blooms May-July.
<i>Brodiaea santarosae</i>	Santa Rosa Basalt brodiaea			1B.2	Valley and foothill grassland. Santa Rosa Basalt. 1919 to 3428 ft in elevation. Blooms May-June.
<i>Bursera microphylla</i>	little-leaf elephant tree			2B.3	Sonoran desert scrub. Hillsides and washes and on canyon sides in California; rocky sites. 640 to 2001 ft in elevation. Blooms June-July.
<i>Calliandra eriophylla</i>	pink fairy-duster			2B.3	Sonoran desert scrub. Sandy or rocky sites in the desert. 394 to 4921 ft in elevation. Blooms January-March.
<i>Calochortus clavatus</i> var. <i>gracilis</i>	slender mariposa-lily			1B.2	Chaparral, coastal scrub, valley and foothill grassland. Shaded foothill canyons; often on grassy slopes within other habitat. 689 to 5955 ft in elevation. Blooms March-June (November).
<i>Calochortus fimbriatus</i>	late-flowered mariposa-lily			1B.3	Chaparral, cismontane woodland, riparian woodland. Dry, open coastal woodland, chaparral; on serpentine. 886 to 4708 ft in elevation. Blooms June-August.
<i>Calochortus palmeri</i> var. <i>munzii</i>	San Jacinto mariposa-lily			1B.2	Lower montane coniferous forest, chaparral, meadows. Seen in open Jeffrey pine forest as well as in chaparral. 3084 to 5955 ft in elevation. Blooms April-July.
<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernal moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
<i>Calochortus striatus</i>	alkali mariposa-lily			1B.2	Chaparral, chenopod scrub, Mojavean desert scrub, meadows and seeps. Alkaline meadows and ephemeral washes. 230 to 7251 ft in elevation. Blooms April-June.
<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa-lily			1B.2	Coastal scrub, chaparral, valley and foothill grassland. Dry, rocky open slopes and rock outcrops. 197 to 5167 ft in elevation. Blooms May-July.
<i>Calyptidium arizonicum</i>	Arizona pussypaws			2B.1	Sonoran Desert scrub. Metamorphics. In washes. 1985 to 2608 ft in elevation. Blooms March-April.
<i>Calyptidium pygmaeum</i>	pygmy pussypaws			1B.2	Upper montane coniferous forest, subalpine coniferous forest. Sandy or gravelly sites. 6496 to 10203 ft in elevation. Blooms June-August.

Table 17a Special-Status Plant Species Known or with Potential to Occur in the Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Calystegia felix</i>	lucky morning-glory			1B.1	Meadows and seeps, riparian scrub. Sometimes alkaline, alluvial. 98 to 705 ft in elevation. Blooms March-September.
<i>Carex obispoensis</i>	San Luis Obispo sedge			1B.2	Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland. Usually in transition zone on sand, clay, serpentine, or gabbro. In seeps. 16 to 2772 ft in elevation. Blooms April-June.
<i>Carex occidentalis</i>	western sedge			2B.3	Lower montane coniferous forest, meadows and seeps. 5397 to 10285 ft in elevation. Blooms June-August.
<i>Carlowrightia arizonica</i>	Arizona carlowrightia			2B.2	Sonoran desert scrub. Sandy, granitic alluvium; associated with palm oases in California. 886 to 3412 ft in elevation. Blooms March-May.
<i>Castilleja lasiorhyncha</i>	San Bernardino Mountains owl's-clover			1B.2	Meadows and seeps, pebble plain, upper montane coniferous forest, chaparral, riparian woodland. Mesic to drying soils in open areas of stream and meadow margins or in vernal wet areas. 3740 to 7612 ft in elevation. Blooms May-August.
<i>Caulanthus amplexicaulis</i> var. <i>barbarae</i>	Santa Barbara jewelflower			1B.1	Closed-cone coniferous forest, cismontane woodland, chaparral. Serpentine soils. 1378 to 4003 ft in elevation. Blooms May-July.
<i>Caulanthus lemmonii</i>	Lemmon's jewelflower			1B.2	Pinyon and juniper woodland, valley and foothill grassland. 246 to 5200 ft in elevation. Blooms February-May.
<i>Ceanothus cyaneus</i>	Lakeside ceanothus			1B.2	Closed-cone coniferous forest, chaparral. 656 to 3412 ft in elevation. Blooms April-June.
<i>Ceanothus otayensis</i>	Otay Mountain ceanothus			1B.2	Chaparral. Metavolcanic or gabbroic soils. 246 to 3806 ft in elevation. Blooms January-April.
<i>Ceanothus verrucosus</i>	wart-stemmed ceanothus			2B.2	Chaparral. 3 to 1247 ft in elevation. Blooms December-May.
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant			1B.1	Salt marsh, wetland. Marshes and swamps (margins), valley and foothill grassland, vernal pools. Often in disturbed sites near the coast at marsh edges; also in alkaline soils sometimes with saltgrass. Sometimes on vernal pool margins. 0 to 3199 ft in elevation. Blooms May-November.
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant			1B.1	Alkali playa, wetland. Valley and foothill grassland, chenopod scrub, meadows and seeps, playas, riparian woodland. Alkali meadow, alkali scrub; also in disturbed places. 16 to 3839 ft in elevation. Blooms April-September.
<i>Chaenactis carphoclinia</i> var. <i>peirsonii</i>	Peirson's pincushion			1B.3	Sonoran desert scrub. Open rocky or sandy sites. 10 to 607 ft in elevation. Blooms March-April.
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Orcutt's pincushion			1B.1	Coastal bluff scrub, coastal dunes. Sandy sites. 10 to 262 ft in elevation. Blooms January-August.
<i>Chaenactis parishii</i>	Parish's chaenactis			1B.3	Chaparral. Rocky sites. 4265 to 8202 ft in elevation. Blooms May-July.
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower			1B.1	Coastal scrub, chaparral, cismontane woodland, valley and foothill grassland. Dry slopes and flats; sometimes at interface of 2 vegetation types, such as chaparral and oak woodland; dry, sandy soils. 738 to 4003 ft in elevation. Blooms April-June.
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	long-spined spineflower			1B.2	Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools. Gabbroic clay. 98 to 5052 ft in elevation. Blooms April-July.
<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower			1B.2	Mojavean desert scrub, pinyon-juniper woodland, coastal scrub (alluvial fans). Sandy or gravelly places. 984 to 3937 ft in elevation. Blooms April-June.
<i>Cladium californicum</i>	California saw-grass			2B.2	Meadows and seeps, marshes and swamps (alkaline or freshwater). Freshwater or alkaline moist habitats. -66 to 7005 ft in elevation. Blooms June-September.
<i>Clarkia delicata</i>	delicate clarkia			1B.2	Cismontane woodland, chaparral. Often on gabbro soils. 164 to 4462 ft in elevation. Blooms April-June.
<i>Clinopodium chandleri</i>	San Miguel savory			1B.2	Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland. Rocky, gabbroic or metavolcanic substrate. 394 to 3527 ft in elevation. Blooms March-July.
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	summer holly			1B.2	Chaparral, cismontane woodland. Often in mixed chaparral in California, sometimes post-burn. 98 to 3100 ft in elevation. Blooms April-June.
<i>Corethrogyne filaginifolia</i> var. <i>incana</i>	San Diego sand aster			1B.1	Coastal scrub, coastal bluff scrub, chaparral. Most sites are disturbed, so hard to tell. Possibly in disturbed sites and ecotones. 10 to 377 ft in elevation. Blooms June-September.
<i>Cryptantha ganderi</i>	Gander's cryptantha			1B.1	Sonoran desert scrub, desert dunes. On dunes and in washes. 509 to 1017 ft in elevation. Blooms February-May.
<i>Cryptantha wigginsii</i>	Wiggins' cryptantha			1B.2	Coastal scrub. Often on clay soils. 148 to 361 ft in elevation. Blooms February-June.
<i>Cylindropuntia californica</i> var. <i>californica</i>	snake cholla			1B.1	Chaparral, coastal scrub. 49 to 951 ft in elevation. Blooms April-May.
<i>Cylindropuntia fosbergii</i>	pink teddy-bear cholla			1B.3	Sonoran desert scrub. 279 to 2789 ft in elevation. Blooms March-May.
<i>Deinandra floribunda</i>	Tecate tarplant			1B.2	Chaparral, coastal scrub. Often in little drainages or disturbed areas. 230 to 4003 ft in elevation. Blooms August-October.
<i>Delphinium umbraculorum</i>	umbrella larkspur			1B.3	Cismontane woodland. Mesic sites. 1312 to 5249 ft in elevation. Blooms April-June.
<i>Dieteria canescens</i> var. <i>ziegleri</i>	Ziegler's aster			1B.2	Lower montane coniferous forest, upper montane coniferous forest. Dry ridges scattered under pines, along roadsides, and in dry, somewhat disturbed clearings. 4987 to 7513 ft in elevation. Blooms July-October.
<i>Digitaria californica</i> var. <i>californica</i>	Arizona cottontop			2B.3	Sonoran desert scrub, Mojavean desert scrub. Rocky schist hillsides in California; open plains out of state. 131 to 4888 ft in elevation. Blooms July-November.
<i>Draba saxosa</i>	Southern California rock draba			1B.3	Alpine boulder and rock field, subalpine coniferous forest, upper montane coniferous forest. Rocky sites. 7595 to 10827 ft in elevation. Blooms June-September.
<i>Drymocallis cuneifolia</i> var. <i>cuneifolia</i>	wedgeleaf woodbeauty			1B.1	Upper montane coniferous forest, riparian scrub. Sometimes on carbonate. 4987 to 7283 ft in elevation. Blooms June-August.

Table 17a Special-Status Plant Species Known or with Potential to Occur in the Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Dryopteris filix-mas</i>	male fern			2B.3	Upper montane coniferous forest. In granite crevices. 148 to 3281 ft in elevation. Blooms July-September.
<i>Dudleya abramsii</i> ssp. <i>affinis</i>	San Bernardino Mountains dudleya			1B.2	Pebble (pavement) plain, upper montane coniferous forest, pinyon and juniper woodland. Outcrops, granite or quartzite, rarely limestone. 4101 to 8530 ft in elevation. Blooms April-July.
<i>Dudleya cymosa</i> ssp. <i>crebrifolia</i>	San Gabriel River dudleya			1B.2	Chaparral. On granite cliffs and outcrops, surrounded by scrub. 902 to 1499 ft in elevation. Blooms April-July.
<i>Dudleya densiflora</i>	San Gabriel Mountains dudleya			1B.1	Chaparral, coastal scrub, cismontane woodland, lower montane coniferous forest, riparian forest. In crevices and on decomposed granite on cliffs and canyon walls. 984 to 1608 ft in elevation. Blooms March-June.
<i>Dudleya multicaulis</i>	many-stemmed dudleya			1B.2	Chaparral, coastal scrub, valley and foothill grassland. In heavy, often clayey soils or grassy slopes. 49 to 2592 ft in elevation. Blooms April-July.
<i>Dudleya variegata</i>	variegated dudleya			1B.2	Chaparral, coastal scrub, cismontane woodland, valley and foothill grassland. In rocky or clay soils; sometimes associated with vernal pool margins. 10 to 1903 ft in elevation. Blooms April-June.
<i>Dudleya viscida</i>	sticky dudleya			1B.2	Coastal scrub, coastal bluff scrub, chaparral, cismontane woodland. On north and south-facing cliffs and banks. 33 to 1804 ft in elevation. Blooms May-June.
<i>Eremothera boothii</i> ssp. <i>boothii</i>	Booth's evening-primrose			2B.3	Joshua tree woodland, pinyon and juniper woodland. 951 to 7907 ft in elevation. Blooms April-September.
<i>Eriastrum harwoodii</i>	Harwood's eriastrum			1B.2	Desert dunes. 246 to 2362 ft in elevation. Blooms March-June.
<i>Ericameria cuneata</i> var. <i>macrocephala</i>	Laguna Mountains goldenbush			1B.3	Chaparral. Endemic to the Laguna Mountains. Among boulders; in crevices in granitic outcrops and in rocky soil. 3921 to 6070 ft in elevation. Blooms September-December.
<i>Ericameria palmeri</i> var. <i>palmeri</i>	Palmer's goldenbush			1B.1	Coastal scrub, chaparral. On granitic soils, on steep hillsides. Mesic sites. 16 to 2051 ft in elevation. Blooms (July), September-November.
<i>Eriogonum evanidum</i>	vanishing wild buckwheat			1B.1	Chaparral, cismontane woodland, lower montane coniferous forest, pinyon and juniper woodland. Sandy sites. 3199 to 7349 ft in elevation. Blooms July-October.
<i>Eriogonum microthecum</i> var. <i>johnstonii</i>	Johnston's buckwheat			1B.3	Subalpine coniferous forest, upper montane coniferous forest. Slopes and ridges on granite or limestone. 6001 to 9600 ft in elevation. Blooms July-September.
<i>Erythranthe exigua</i>	San Bernardino Mountains monkeyflower			1B.2	Meadows and seeps, pebble plains, upper montane coniferous forest. Seeps and sandy sometimes disturbed soil in moist drainages of annual streams; clay soils. 6759 to 8629 ft in elevation. Blooms May-July.
<i>Erythranthe purpurea</i>	little purple monkeyflower			1B.2	Meadows and seeps, pebble plain, upper montane coniferous forest. Dry clay or gravelly soils under Jeffrey pines, along annual streams or vernal springs and seeps. 6709 to 7513 ft in elevation. Blooms May-June.
<i>Euphorbia abramsiana</i>	Abrams' spurge			2B.2	Mojavean desert scrub, Sonoran desert scrub. Sandy sites. -148 to 4741 ft in elevation. Blooms (August), September-November.
<i>Euphorbia arizonica</i>	Arizona spurge			2B.3	Sonoran desert scrub. Sandy soils. 492 to 2953 ft in elevation. Blooms March-April.
<i>Fimbristylis thermalis</i>	hot springs fimbristylis			2B.2	Meadows and seeps (alkaline). Near hot springs. 377 to 5200 ft in elevation. Blooms July-September.
<i>Fraxinus parryi</i>	chaparral ash			2B.2	Open mixed chaparral and in the chaparral-sage scrub interface in California. 699 to 2034 ft in elevation. Blooms March-May.
<i>Fritillaria ojaiensis</i>	Ojai fritillary			1B.2	Broadleaved upland forest (mesic), chaparral, lower montane coniferous forest, cismontane woodland. Usually loamy soil. Sometimes on serpentine; sometimes along roadsides. 738 to 3281 ft in elevation. Blooms February-May.
<i>Funastrum crispum</i>	wavyleaf twinvine			2B.2	Pinyon and juniper woodland, chaparral. 3986 to 6069 ft in elevation. Blooms May-August.
<i>Galium angustifolium</i> ssp. <i>jacinticum</i>	San Jacinto Mountains bedstraw			1B.3	Lower montane coniferous forest. Open mixed forest. 3904 to 8005 ft in elevation. Blooms June-August.
<i>Galium californicum</i> ssp. <i>primum</i>	Alvin Meadow bedstraw			1B.2	Chaparral, lower montane coniferous forest. Grows in shade of trees and shrubs at the lower edge of the pine belt, in pine forest-chaparral ecotone. Granitic, sandy soils. 4429 to 5577 ft in elevation. Blooms May-July.
<i>Galium grande</i>	San Gabriel bedstraw			1B.2	Cismontane woodland, chaparral, broadleaved upland forest, lower montane coniferous forest. Open chaparral and low, open oak forest; on rocky slopes; probably undercollected due to inaccessible hab. 1394 to 4921 ft in elevation. Blooms January-July.
<i>Geothallus tuberosus</i>	Campbell's liverwort			1B.1	Coastal scrub, vernal pools. Liverwort known from mesic soil. 33 to 1969 ft in elevation. Blooms .
<i>Geraea viscida</i>	sticky geraea			2B.2	Chaparral. Loamy coarse sand to gravelly sand soils; often in post burned areas and in bulldozed areas. 1476 to 5577 ft in elevation. Blooms (April), May-June.
<i>Gilia leptantha</i> ssp. <i>leptantha</i>	San Bernardino gilia			1B.3	Lower montane coniferous forest. Sandy or gravelly sites. 4921 to 8399 ft in elevation. Blooms June-August.
<i>Gilia mexicana</i>	El Paso gilia			2B.3	Pinyon and juniper woodland. Alluvial soil in washes, on bajadas, hillsides, arroyos, and plains. 3445 to 4839 ft in elevation. Blooms May.
<i>Grindelia hallii</i>	San Diego gumplant			1B.2	Meadows, valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows; associated species commonly include <i>Wyethia</i> , <i>Ranunculus</i> , <i>Sidalcea</i> . 607 to 5725 ft in elevation. Blooms May-October.
<i>Helianthus inexpectatus</i>	Newhall sunflower			1B.1	Marshes and swamps, riparian woodland. 1001 to 1001 ft in elevation. Blooms August-October.
<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Los Angeles sunflower			1A	Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October.
<i>Herissantia crispa</i>	curly herissantia			2B.3	Sonoran desert scrub. 2297 to 2379 ft in elevation. Blooms (April), August-September.
<i>Hesperocyparis forbesii</i>	Tecate cypress			1B.1	Closed-cone coniferous forest, chaparral. Primarily on north-facing slopes; groves often associated with chaparral. On clay or gabbro. 197 to 5397 ft in elevation. Blooms .
<i>Hesperocyparis stephensonii</i>	Cuyamaca cypress			1B.1	Closed-cone coniferous forest, chaparral, chaparral, cismontane woodland, riparian forest. Restricted to the southwest slopes of Cuyamaca Peak, on gabbroic rock. 3396 to 4692 ft in elevation. Blooms .

Table 17a Special-Status Plant Species Known or with Potential to Occur in the Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Heuchera brevistaminea</i>	Laguna Mountains alumroot			1B.3	Broadleaved upland forest, chaparral, cismontane woodland, riparian forest. Steep, rocky slopes. 4462 to 6562 ft in elevation. Blooms April-July (September).
<i>Heuchera hirsutissima</i>	shaggy-haired alumroot			1B.3	Subalpine coniferous forest, upper montane coniferous forest. Often near large rocks. 4987 to 11483 ft in elevation. Blooms (May), June-July.
<i>Heuchera parishii</i>	Parish's alumroot			1B.3	Lower montane coniferous forest, subalpine coniferous forest, upper montane coniferous forest, alpine boulder and rock field. Rocky places. Sometimes on carbonate. 4396 to 11499 ft in elevation. Blooms June-August.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia			1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 49 to 5397 ft in elevation. Blooms February-July (September).
<i>Horkelia truncata</i>	Ramona horkelia			1B.3	Chaparral, cismontane woodland. Habitats in California include: mixed chaparral, vernal streams, and disturbed areas near roads. Clay soil; at least sometimes on gabbro. 1312 to 4265 ft in elevation. Blooms May-June.
<i>Horkelia wilderae</i>	Barton Flats horkelia			1B.1	Lower montane coniferous forest, upper montane coniferous forest, chaparral. On rocky, north aspects in openings that hold persistent snowdrifts. 6496 to 9498 ft in elevation. Blooms May-September.
<i>Hulsea californica</i>	San Diego sunflower			1B.3	Chaparral, lower montane coniferous forest, upper montane coniferous forest. Burns, clearings, or openings in chaparral and pine-oak woodland. 1198 to 6102 ft in elevation. Blooms April-June.
<i>Hulsea mexicana</i>	Mexican hulsea			2B.3	Chaparral. Volcanic soils or burns and disturbed sites. 3593 to 4265 ft in elevation. Blooms April-June.
<i>Imperata brevifolia</i>	California satintail			2B.1	Coastal scrub, chaparral, riparian scrub, Mojavean desert scrub, meadows and seeps (alkali), riparian scrub. Mesic sites, alkali seeps, riparian areas. 10 to 4905 ft in elevation. Blooms September-May.
<i>Ipomopsis tenuifolia</i>	slender-leaved ipomopsis			2B.3	Chaparral, pinyon and juniper woodland, Sonoran desert scrub. Dry rocky or gravelly slopes. 2789 to 4199 ft in elevation. Blooms March-May.
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush			1B.2	Coastal scrub, chaparral. Sandy soils; often in disturbed sites. 3 to 3002 ft in elevation. Blooms April-November.
<i>Iva hayesiana</i>	San Diego marsh-elder			2B.2	Alkali playa, wetland. Marshes and swamps, playas. Riverwashes. 3 to 1411 ft in elevation. Blooms April-October.
<i>Ivesia argyrocoma</i> var. <i>argyrocoma</i>	silver-haired ivesia			1B.2	Meadows, pebble plains, upper montane coniferous forest. In pebble plains and meadows with other rare plants. 4790 to 9711 ft in elevation. Blooms June-August.
<i>Jaffuelobryum rauii</i>	Rau's jaffuelobryum moss			2B.3	Alpine dwarf scrub, chaparral, Mojavean desert scrub, Sonoran desert scrub. Dry openings, rock crevices, carbonate. 1608 to 6890 ft in elevation. Blooms .
<i>Juncus luciensis</i>	Santa Lucia dwarf rush			1B.2	Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub. Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 984 to 6693 ft in elevation. Blooms April-July.
<i>Juncus nodosus</i>	knotted rush			2B.3	Meadows, marshes and swamps. Mesic sites and lake margins. 98 to 6496 ft in elevation. Blooms July-September.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields			1B.1	Alkali playa, wetland. Coastal salt marshes, playas, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 3 to 4511 ft in elevation. Blooms February-June.
<i>Layia heterotricha</i>	pale-yellow layia			1B.1	Cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Alkaline or clay soils; open areas. 295 to 5906 ft in elevation. Blooms March-June.
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage			1B.2	Closed-cone coniferous forest, chaparral, cismontane woodland. 1706 to 4495 ft in elevation. Blooms April-July.
<i>Lepechinia ganderi</i>	Gander's pitcher sage			1B.3	Closed-cone coniferous forest, chaparral, coastal scrub, valley and foothill grassland. Usually found in chaparral or coastal scrub; sometimes in tecate cypress woodland. Gabbro or metavolcanic substrate. 1001 to 3297 ft in elevation. Blooms June-July.
<i>Lepidium flavum</i> var. <i>felipense</i>	Blair Valley pepper-grass			1B.2	Sonoran desert scrub, pinyon and juniper woodland. Sandy, clay, or silty soils. 1099 to 2756 ft in elevation. Blooms March-May.
<i>Leptosiphon floribundus</i> ssp. <i>hallii</i>	Santa Rosa Mountains leptosiphon			1B.3	Sonoran desert scrub, pinyon and juniper woodland. Desert canyons. 3281 to 6562 ft in elevation. Blooms May-July (November).
<i>Lessingia glandulifera</i> var. <i>tomentosa</i>	Warner Springs lessingia			1B.1	Chaparral. Along roadsides, sandy soil, in high desert chaparral. 2854 to 4003 ft in elevation. Blooms August-October.
<i>Lewisia brachycalyx</i>	short-sepaled lewisia			2B.2	Lower montane coniferous forest, meadows and seeps. Dry to moist meadows in rich loam. 4495 to 8038 ft in elevation. Blooms February-June (July).
<i>Lilium parryi</i>	lemon lily			1B.2	Lower montane coniferous forest, meadows and seeps, riparian forest, upper montane coniferous forest. Wet, mountainous terrain; generally in forested areas; on shady edges of streams, in open boggy meadows and seeps. 4003 to 9006 ft in elevation. Blooms July-August.
<i>Linanthus bellus</i>	desert beauty			2B.1	Chaparral. Dry slopes and flats; open sandy spots in chaparral, mostly in loamy coarse sandy dg soil types. 3281 to 4593 ft in elevation. Blooms April-May.
<i>Linanthus bernardinus</i>	Pioneertown linanthus			1B.2	Joshua tree woodland, pinyon-juniper woodland. 3904 to 4396 ft in elevation. Blooms March-May.
<i>Linanthus concinnus</i>	San Gabriel linanthus			1B.2	Lower montane coniferous forest, upper montane coniferous forest, chaparral. Dry rocky slopes, often in Jeffrey pine/canyon oak forest. 4298 to 8399 ft in elevation. Blooms April-July.
<i>Linanthus jaegeri</i>	San Jacinto linanthus			1B.2	Subalpine coniferous forest, upper montane coniferous forest. Dry rocky granitic outcrops; sheer, vertical habitat. 7201 to 10007 ft in elevation. Blooms July-September.
<i>Linanthus killipii</i>	Baldwin Lake linanthus			1B.2	Alkaline meadows, pebble plain, pinyon-juniper woodland, Joshua tree woodland. Usually on pebble plains with other rare species. 5577 to 7874 ft in elevation. Blooms May-July.
<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. linanthus			1B.2	Desert dunes, Sonoran desert scrub, Mojavean desert scrub, Joshua tree woodland. Sandy places. Usually in light-colored quartz sand; often in wash or bajada. 459 to 6808 ft in elevation. Blooms March-May.
<i>Linanthus orcuttii</i>	Orcutt's linanthus			1B.3	Chaparral, lower montane coniferous forest, pinyon and juniper woodland. Sometimes in disturbed areas; often in gravelly clearings. 3002 to 7037 ft in elevation. Blooms May-June.
<i>Lupinus albifrons</i> var. <i>medius</i>	Mountain Springs bush lupine			1B.3	Pinyon and juniper woodland, Sonoran desert scrub. Dry, sandy, gently sloping canyon washes, sandy soil pockets, and flats in steeper slopes and drainages. 1394 to 4494 ft in elevation. Blooms March-May.
<i>Lupinus peirsonii</i>	Peirson's lupine			1B.3	Joshua tree woodland, pinyon and juniper woodland, lower montane coniferous forest, upper montane coniferous forest. Decomposed granite slide and talus, on slopes and ridges. 4593 to 7808 ft in elevation. Blooms April-June.

Table 17a Special-Status Plant Species Known or with Potential to Occur in the Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape

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<i>Lycium parishii</i>	Parish's desert-thorn			2B.3	Coastal scrub, Sonoran desert scrub. 443 to 3281 ft in elevation. Blooms March-April.
<i>Malacothamnus davidsonii</i>	Davidson's bush-mallow			1B.2	Coastal scrub, riparian woodland, chaparral, cismontane woodland. Sandy washes. 492 to 5003 ft in elevation. Blooms June-January.
<i>Malacothamnus parishii</i>	Parish's bush-mallow			1A	Chaparral, coastal sage scrub. In a wash. 1001 to 1493 ft in elevation. Blooms June-July.
<i>Malperia tenuis</i>	brown turbans			2B.3	Sonoran desert scrub. Sandy places and rocky slopes. 0 to 1804 ft in elevation. Blooms (February), March-April.
<i>Marina orcuttii</i> var. <i>orcuttii</i>	California marina			1B.3	Pinyon and juniper woodland, Sonoran desert scrub, chaparral. Gravelly hillsides, rocky soil. 1198 to 3806 ft in elevation. Blooms May-October.
<i>Matelea parvifolia</i>	spear-leaf matelea			2B.3	Mojavean desert scrub, Sonoran desert scrub. Dry rocky ledges and slopes. 1444 to 3593 ft in elevation. Blooms March-May (July).
<i>Meesia uliginosa</i>	broad-nerved hump moss			2B.2	Meadows and seeps, bogs and fens, upper montane coniferous forest, subalpine coniferous forest. Moss on damp soil. Often found on the edge of fens or raised above the fen on hummocks/shrub bases. 3593 to 9203 ft in elevation. Blooms July-October.
<i>Mentzelia hirsutissima</i>	hairy stickleaf			2B.3	Sonoran desert scrub. Washes, fans, slopes; coarse rubble and talus slopes; rocky sites. 0 to 2297 ft in elevation. Blooms March-May.
<i>Mentzelia tricuspis</i>	spiny-hair blazing star			2B.1	Mojavean desert scrub. Sandy or gravelly slopes and washes. 492 to 4199 ft in elevation. Blooms March-May.
<i>Mielichhoferia shevockii</i>	Shevock's copper moss			1B.2	Cismontane woodland. Moss on metamorphic rocks containing heavy metals; mesic sites. On rocks along roads, in same habitat as <i>Mielichhoferia elongata</i> . 2461 to 4593 ft in elevation. Blooms .
<i>Monardella australis</i> ssp. <i>jokerstii</i>	Jokerst's monardella			1B.1	Lower montane coniferous forest, chaparral. Steep scree or talus slopes between breccia. Secondary alluvial benches along drainages and washes. 4429 to 5741 ft in elevation. Blooms July-September.
<i>Monardella hypoleuca</i> ssp. <i>hypoleuca</i>	white-veined monardella			1B.3	Chaparral, cismontane woodland. Dry slopes. 164 to 5003 ft in elevation. Blooms (April), May-August (September),(October),(November),(December).
<i>Monardella hypoleuca</i> ssp. <i>intermedia</i>	intermediate monardella			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest (sometimes). Often in steep, brushy areas. 640 to 54954 ft in elevation. Blooms April-September.
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	felt-leaved monardella			1B.2	Chaparral, cismontane woodland. Occurs in understory in mixed chaparral, chamise chaparral, and southern oak woodland; sandy soil. 984 to 5167 ft in elevation. Blooms June-August.
<i>Monardella linoidea</i> ssp. <i>oblonga</i>	Tehachapi monardella			1B.3	Lower montane coniferous forest, upper montane coniferous forest, pinyon-juniper woodland. On dry slopes of yellow pine forest, decomposed granitic soils; also in roadside disturbed areas. 2953 to 8104 ft in elevation. Blooms June-August.
<i>Monardella macrantha</i> ssp. <i>hallii</i>	Hall's monardella			1B.3	Broadleaved upland forest, chaparral, lower montane coniferous forest, cismontane woodland, valley and foothill grassland. Dry slopes and ridges in openings within the above communities. 2395 to 7201 ft in elevation. Blooms June-October.
<i>Monardella nana</i> ssp. <i>leptosiphon</i>	San Felipe monardella			1B.2	Chaparral, lower montane coniferous forest. Sometimes in openings and fuelbreaks or in the understory of forest or chaparral. 2789 to 7956 ft in elevation. Blooms June-July.
<i>Monardella robisonii</i>	Robison's monardella			1B.3	Pinyon and juniper woodland. Rocky desert slopes, often among granitic boulders. 2001 to 4921 ft in elevation. Blooms (February), April-September (October).
<i>Monardella sinuata</i> ssp. <i>sinuata</i>	southern curly-leaved monardella			1B.2	Coastal dunes, coastal scrub, chaparral, cismontane woodlands. Sandy soils. 0 to 984 ft in elevation. Blooms April-September.
<i>Monardella stoneana</i>	Jennifer's monardella			1B.2	Coastal scrub, chaparral, closed cone coniferous forest, riparian scrub. Usually found in rocky, intermittent streambeds. 33 to 2592 ft in elevation. Blooms June-September.
<i>Muhlenbergia appressa</i>	appressed muhly			2B.2	Coastal scrub, Mojavean desert scrub, valley and foothill grassland. Rocky slopes, canyon bottoms. 66 to 5249 ft in elevation. Blooms April-May.
<i>Nama stenocarpa</i>	mud nama			2B.2	Marshes and swamps. Lake shores, river banks, intermittently wet areas. 16 to 1640 ft in elevation. Blooms January-July.
<i>Navarretia ojaiensis</i>	Ojai navarretia			1B.1	Chaparral, coastal scrub, valley and foothill grassland. Openings in shrublands or grasslands. 902 to 2034 ft in elevation. Blooms May-July.
<i>Navarretia peninsularis</i>	Baja navarretia			1B.2	Lower montane coniferous forest, chaparral, meadows and seeps, pinyon and juniper woodland. Wet areas in open forest. 3773 to 7759 ft in elevation. Blooms (May), June-August.
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia			1B.1	Coastal scrub, valley and foothill grassland, vernal pools, meadows and seeps. Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 10 to 4052 ft in elevation. Blooms April-July.
<i>Navarretia setiloba</i>	Piute Mountains navarretia			1B.1	Cismontane woodland, pinyon and juniper woodland, valley and foothill grassland. Red clay soils, or on gravelly loam. 591 to 5397 ft in elevation. Blooms April-July.
<i>Nemacaulis denudata</i> var. <i>gracilis</i>	slender cottonheads			2B.2	Coastal dunes, desert dunes, Sonoran desert scrub. In dunes or sand. -164 to 1312 ft in elevation. Blooms (March), April-May.
<i>Nemacladus secundiflorus</i> var. <i>robbinsii</i>	Robbins' nemacladus			1B.2	Chaparral, valley and foothill grassland. Dry, sandy or gravelly slopes. 1148 to 5577 ft in elevation. Blooms April-June.
<i>Nolina cismontana</i>	chaparral nolina			1B.2	Ultramafic. Chaparral, coastal scrub. Primarily on sandstone and shale substrates; also known from gabbro. 459 to 4183 ft in elevation. Blooms (March), May-July.
<i>Opuntia basilaris</i> var. <i>brachyclada</i>	short-joint beavertail			1B.2	Chaparral, Joshua tree woodland, Mojavean desert scrub, pinyon-juniper woodland. Sandy soil or coarse, granitic loam. 1394 to 5906 ft in elevation. Blooms April-June (August).
<i>Orobanche valida</i> ssp. <i>valida</i>	Rock Creek broomrape			1B.2	Chaparral, pinyon-juniper woodland. On slopes of loose decomposed granite; parasitic on various chaparral shrubs. 4101 to 6562 ft in elevation. Blooms May-September.
<i>Packera bernardina</i>	San Bernardino ragwort			1B.2	Meadows and seeps, pebble plains, upper montane coniferous forest. Mesic, sometimes alkaline meadows, and dry rocky slopes. 5299 to 8104 ft in elevation. Blooms May-July.
<i>Penstemon californicus</i>	California beardtongue			1B.2	Chaparral, lower montane coniferous forest, pinyon and juniper woodland. Stony slopes and shrubby openings; sandy or granitic soils. 3839 to 7546 ft in elevation. Blooms May-June (August).

Table 17a Special-Status Plant Species Known or with Potential to Occur in the Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape

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<i>Penstemon pseudospectabilis</i> ssp. <i>pseudospectabilis</i>	desert beardtongue			2B.2	Mojavean desert scrub, Sonoran desert scrub. Often in sandy washes; sometimes on rocky slopes. 262 to 5709 ft in elevation. Blooms January-May.
<i>Perideridia parishii</i> ssp. <i>parishii</i>	Parish's yampah			2B.2	Lower montane coniferous forest, meadows, upper montane coniferous forest. Damp meadows or along streambeds-prefers an open pine canopy. 4806 to 9843 ft in elevation. Blooms June-August.
<i>Petalonyx linearis</i>	narrow-leaf sandpaper-plant			2B.3	Mojavean desert scrub, Sonoran desert scrub. Sandy or rocky canyons. -82 to 3658 ft in elevation. Blooms (January),(February), March-May (June),(July),(August),(September),(October),(November),(December).
<i>Phaseolus filiformis</i>	slender-stem bean			2B.1	Sonoran desert scrub. Gravelly washes bordered by creosote bush-dominated rocky slopes. 0 to 0 ft in elevation. Blooms April.
<i>Phlox dolichantha</i>	Big Bear Valley phlox			1B.2	Pebble plains, upper montane coniferous forest. Sloping hillsides, in shade under pines and <i>Quercus kelloggii</i> , with heavy pine litter; also in openings. 6496 to 9203 ft in elevation. Blooms May-July.
<i>Pholistoma auritum</i> var. <i>arizonicum</i>	Arizona pholistoma			2B.3	Mojavean desert scrub. 902 to 2740 ft in elevation. Blooms March.
<i>Poliomintha incana</i>	frosted mint			2A	Lower montane coniferous forest. In boggy soil. 5249 to 5577 ft in elevation. Blooms June-July.
<i>Potentilla rimicola</i>	cliff cinquefoil			2B.3	Subalpine coniferous forest, upper montane coniferous forest. Granite crevices; rocky sites. 7890 to 10007 ft in elevation. Blooms July-September.
<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco			2B.2	Riparian woodland, cismontane woodland, coastal scrub, chaparral. Sandy, gravelly sites. 115 to 1690 ft in elevation. Blooms (July), August-November (December).
<i>Pseudorontium cyathiferum</i>	Deep Canyon snapdragon			2B.3	Sonoran desert scrub. Rocky sites. 0 to 2625 ft in elevation. Blooms February-April.
<i>Pyrocoma uniflora</i> var. <i>gossypina</i>	Bear Valley pyrocoma			1B.2	Pebble plain, meadows and seeps. Meadows, meadow edges, and along streams in or near pebble plain habitat. 6693 to 7480 ft in elevation. Blooms July-September.
<i>Quercus cedrosensis</i>	Cedros Island oak			2B.2	Closed-cone coniferous forest, chaparral, coastal scrub. 427 to 3199 ft in elevation. Blooms April-May.
<i>Quercus dumosa</i>	Nuttall's scrub oak			1B.1	Closed-cone coniferous forest, chaparral, coastal scrub. Generally on sandy soils near the coast; sometimes on clay loam. 49 to 1312 ft in elevation. Blooms February-April (May),(August).
<i>Rhus aromatica</i> var. <i>simplicifolia</i>	single-leaved skunkbrush			2B.3	Pinyon and juniper woodland. Usually granitic. 2395 to 4364 ft in elevation. Blooms March-April.
<i>Ribes canthariforme</i>	Moreno currant			1B.3	Chaparral, riparian scrub. Among boulders in oak-manzanita thickets; shaded or partially shaded sites. 1115 to 3937 ft in elevation. Blooms February-April.
<i>Ribes divaricatum</i> var. <i>parishii</i>	Parish's gooseberry			1A	Riparian woodland. <i>Salix</i> swales in riparian habitats. 213 to 984 ft in elevation. Blooms February-April.
<i>Saltugilia latimeri</i>	Latimer's woodland-gilia			1B.2	Chaparral, Mojavean desert scrub, pinyon and juniper woodland. Rocky or sandy substrate; sometimes in washes, sometimes limestone. 394 to 7218 ft in elevation. Blooms March-June.
<i>Salvia munzii</i>	Munz's sage			2B.2	Coastal scrub, chaparral. Rolling hills and slopes, in rocky soil. 115 to 1886 ft in elevation. Blooms February-April.
<i>Schoenus nigricans</i>	black bog-rush			2B.2	Marshes and swamps. Often in alkaline marshes. 492 to 6562 ft in elevation. Blooms August-September.
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i>	southern mountains skullcap			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. In gravelly soils on streambanks or in mesic sites in oak or pine woodland. 1394 to 6562 ft in elevation. Blooms June-August.
<i>Selaginella eremophila</i>	desert spike-moss			2B.2	Sonoran desert scrub, chaparral. Shaded sites, gravelly soils; crevices or among rocks. 656 to 2953 ft in elevation. Blooms (May), June (July).
<i>Senecio aphanactis</i>	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
<i>Senna covesii</i>	Cove's cassia			2B.2	Sonoran desert scrub. Dry, sandy desert washes, slopes. 837 to 4249 ft in elevation. Blooms March-June (August).
<i>Sibaropsis hammittii</i>	Hammitt's clay-cress			1B.2	Valley and foothill grassland, chaparral. Mesic microsites in open areas on clay soils in <i>Stipa</i> grassland. Often surrounded by <i>Adenostoma</i> chaparral. 2362 to 3494 ft in elevation. Blooms March-April.
<i>Sidalcea malviflora</i> ssp. <i>dolosa</i>	Bear Valley checkerbloom			1B.2	Meadows and seeps, riparian woodland, lower montane coniferous forest, upper montane coniferous forest. Known from wet areas within forested habitats. Affected by hydrological changes. 5167 to 8497 ft in elevation. Blooms May-August.
<i>Sidalcea neomexicana</i>	salt spring checkerbloom			2B.2	Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub. Alkali springs and marshes. 0 to 5020 ft in elevation. Blooms March-June.
<i>Sidotheca emarginata</i>	white-margined oxytheca			1B.3	Chaparral, lower montane coniferous forest, pinyon and juniper woodland. Gravelly to rocky soil in the San Jacinto and Santa Rosa mountains. 3937 to 8202 ft in elevation. Blooms (February), April-July (August).
<i>Spermolepis infernensis</i>	Hellhole scaleseed			1B.2	Sonoran desert scrub. Rocky or sandy. 755 to 2198 ft in elevation. Blooms March-April.
<i>Spermolepis lateriflora</i>	western bristly scaleseed			2A	Sonoran desert scrub. Rocky or sandy. 1198 to 2198 ft in elevation. Blooms March-April.
<i>Sphaerocarpos drewei</i>	bottle liverwort			1B.1	Chaparral, coastal scrub. Liverwort in openings; on soil. 295 to 1969 ft in elevation. Blooms .
<i>Sphenopholis obtusata</i>	prairie wedge grass			2B.2	Cismontane woodland, meadows and seeps. Open moist sites, along rivers and springs, alkaline desert seeps. 984 to 6562 ft in elevation. Blooms April-July.
<i>Stemodia durantifolia</i>	purple stemodia			2B.1	Sonoran desert scrub. Sandy soils; mesic sites. 115 to 1263 ft in elevation. Blooms January-December.
<i>Streptanthus campestris</i>	southern jewelflower			1B.3	Chaparral, lower montane coniferous forest, pinyon-juniper woodland. Open, rocky areas. 2953 to 7546 ft in elevation. Blooms (April), May-July.
<i>Stylocline masonii</i>	Mason's neststraw			1B.1	Chenopod scrub, pinyon and juniper woodland in desert and sandy washes. 328 to 3937 ft in elevation. Blooms March-May.

Table 17a Special-Status Plant Species Known or with Potential to Occur in the Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Symphotrichum defoliatum</i>	San Bernardino aster			1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernal mesic grassland or near ditches, streams and springs; disturbed areas. 7 to 6693 ft in elevation. Blooms July-November.
<i>Symphotrichum greatae</i>	Greata's aster			1B.3	Chaparral, cismontane woodland, broadleaved upland forest, lower montane coniferous forest, riparian woodland. Mesic canyons. 1099 to 6611 ft in elevation. Blooms June-October.
<i>Tetracoccus dioicus</i>	Parry's tetracoccus			1B.2	Chaparral, coastal scrub. Stony, decomposed gabbro soil. 541 to 3281 ft in elevation. Blooms April-May.
<i>Thelypteris puberula</i> var. <i>sonorensis</i>	Sonoran maiden fern			2B.2	Meadows and seeps. Along streams, seepage areas. 164 to 2001 ft in elevation. Blooms January-September.
<i>Thermopsis californica</i> var. <i>semota</i>	velvety false lupine			1B.2	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. 3281 to 6135 ft in elevation. Blooms March-June.
<i>Thysanocarpus rigidus</i>	rigid fringe pod			1B.2	Pinyon and juniper woodland. Dry, rocky slopes and ridges of oak and pine woodland in arid mountain ranges. 1394 to 7103 ft in elevation. Blooms February-May.
<i>Tortula californica</i>	California screw moss			1B.2	Chenopod scrub, valley and foothill grassland. Moss growing on sandy soil. 33 to 4790 ft in elevation. Blooms .
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis			2B.1	Marshes and swamps, riparian forest, meadows and seeps, vernal pools. Mud flats of vernal lakes, drying river beds, alkali meadows. 16 to 1427 ft in elevation. Blooms May-September.
<i>Trichostema austromontanum</i> ssp. <i>compactum</i>	Hidden Lake bluecurls			1B.1	Upper montane coniferous forest. Seasonally submerged lake margins, decomposed granite. 7874 to 8809 ft in elevation. Blooms July-September.
<i>Viola pinetorum</i> ssp. <i>grisea</i>	grey-leaved violet			1B.3	Subalpine coniferous forest, upper montane coniferous forest, meadows and seeps. Dry mountain peaks and slopes. 5184 to 12139 ft in elevation. Blooms April-July.
<i>Wislizenia refracta</i> ssp. <i>palmeri</i>	Palmer's jackass clover			2B.2	Chenopod scrub, Sonoran desert scrub, Sonoran thorn woodland, desert dunes, desert wash. Known from desert basins, dunes, washes and benches of sand field ecotones where upland desert scrubs, typically creosote bush scrub or palo verde, transition to halophytic scrub or mesquite. 410 to 574 ft in elevation. Blooms January-December.
<i>Xylorhiza cognata</i>	Mecca-aster			1B.2	Sonoran desert scrub. Steep canyon slopes, in sandstone and clay. 66 to 1001 ft in elevation. Blooms January-June.
<i>Xylorhiza orcuttii</i>	Orcutt's woody-aster			1B.2	Sonoran desert scrub. Arid canyons; often in washes. 0 to 1198 ft in elevation. Blooms March-April.

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate
 R = Rare

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 - Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 - Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 17b Special-Status Wildlife Species Known or with Potential to Occur in the Southern California Mountains and Valleys Ecological Section (M262B)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																								Total Acreage of Associated CWHR Types within the Treatable Landscape ¹										
		Federal	State	Alkali Desert Scrub	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Desert Scrub	Desert Succulent Scrub	Eastside Pine	Eucalyptus	Jeffrey Pine	Joshua Tree	Juniper	Lodgepole Pine	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper		Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	Subalpine Conifer	Valley Foothill Riparian	Valley Oak Woodland	White Fir			
CDFW Species of Special Concern																																						
<i>Accipiter gentilis</i>	northern goshawk		SC	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	151,462
<i>Ammodramus savannarum</i>	grasshopper sparrow		SC	X	X		X		X	X	X	X	X			X	X		X		X	X	X	X	X	X	X		X	X		X		X		X	611,424	
<i>Asio otus</i>	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,452,456
<i>Athene cucularia</i>	burrowing owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X		X	X		X		443,871	
<i>Aythya Americana</i>	redhead ²		SC	X	X		X	X	X		X	X	X			X			X		X	X	X	X	X	X	X		X	X		X	X		X		272,420	
<i>Campylorhynchus brunneicapillus sandiegensis</i>	coastal cactus wren		SC		X						X	X				X					X												X			2,567		
<i>Charadrius alexandrinus</i>	snowy plover (interior population) ²		SC	X	X		X	X	X		X	X	X			X			X		X	X	X	X	X				X	X		X		X		184,935		
<i>Charadrius montanus</i>	mountain plover		SC		X		X		X		X	X								X				X								X	X			2,712		
<i>Circus hudsonius</i>	northern harrier		SC	X	X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X		X	X		X		881,118	
<i>Cistothorus palustris clarkae</i>	Clark's marsh wren ²		SC		X					X	X									X												X				3,851		
<i>Contopus cooperi</i>	olive-sided flycatcher		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	453,741
<i>Coturnicops noveboracensis</i>	yellow rail ²		SC		X						X									X					X											-		
<i>Cypseloides niger</i>	black swift		SC		X				X		X	X		X		X			X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	54,213	
<i>Dendragapus fuliginosus howardi</i>	Mount Pinos sooty grouse		SC		X									X		X				X	X	X	X	X			X		X	X		X	X	X		5,785		
<i>Icteria virens</i>	yellow-breasted chat		SC	X	X		X	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,169,174	
<i>Ixobrychus exilis</i>	least bittern ²		SC							0	0									0																<1		
<i>Lanius ludovicianus</i>	loggerhead shrike		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,452,456
<i>Mycteria Americana</i>	wood stork ²		SC							X	X									X												X				212		
<i>Oreothlypis luciae</i>	Lucy's warbler		SC		X								X	X						X				X	X	X		X				X				2,263		
<i>Pelecanus erythrorhynchos</i>	American white pelican ²		SC	X	X	X					X	X	X													X		X								9,355		
<i>Piranga rubra</i>	summer tanager		SC	X	X				X		X	X	X				X	X		X		X		X	X	X	X		X				X			9,100		
<i>Poocetes gramineus affinis</i>	Oregon vesper sparrow		SC	X	X				X	X	X	X	X		X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	849,896	
<i>Progne subis</i>	purple martin		SC	X	X		X		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	642,839	
<i>Pyrocephalus rubinus</i>	vermillion flycatcher		SC		X				X		X	X	X		X		X	X		X	X	X		X	X	X		X				X				13,528		
<i>Setophaga petechia</i>	yellow warbler		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,284,983	
<i>Strix occidentalis occidentalis</i>	California spotted owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	312,571	
<i>Toxostoma bendirei</i>	Bendire's thrasher		SC		X							X	X	X			X	X		X	X	X	X				X		X	X		X				27,229		
<i>Toxostoma crissale</i>	Crissal thrasher		SC	X	X						X	X												X								X				2,882		
<i>Vireo vicinior</i>	gray vireo		SC	X	X	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	176,425	
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird ²		SC	X	X	X		X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		70,171	

Table 17b Special-Status Wildlife Species Known or with Potential to Occur in the Southern California Mountains and Valleys Ecological Section (M262B)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																								Total Acreage of Associated CWHR Types within the Treatable Landscape ¹									
		Federal	State	Alkali Desert Scrub	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Desert Scrub	Desert Succulent Scrub	Eastside Pine	Eucalyptus	Jeffrey Pine	Joshua Tree	Juniper	Lodgepole Pine	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper		Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	Subalpine Conifer	Valley Foothill Riparian	Valley Oak Woodland	White Fir		
Invertebrates																																					
Federal and State Listed/CDFW Fully Protected																																					
<i>Bombus crotchii</i>	Crotch bumble bee ²		C		X		X	X		X	X	X			X		X			X			X	X	X	X		X		X	X	X	X	X	X	X	617,922
<i>Bombus occidentalis occidentalis</i>	western bumble bee ²		C		X		X	X			X				X							X	X	X	X				X		X	X				6,314	
<i>Branchinecta conservatio</i>	conservancy fairy shrimp ²	E			X		X	X	X		X	X	X		X				X	X	X	X	X	X	X	X		X		X		X	X			116,000	
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp ²	T		X	X		X	X	X		X	X	X	X	X				X	X	X	X	X	X	X	X		X		X		X	X			235,339	
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp ²	E			X				X	X	X				X				X						X						X					46,376	
<i>Dinacoma caseyi</i>	Casey's June beetle	E			X							X																								510	
<i>Euphydryas editha quino</i>	quino checkerspot butterfly	E		X	X				X	X	X	X	X		X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		501,627
<i>Euproserpinus euterpe</i>	Kern primrose sphinx moth	T			X					X	X	X						X		X						X		X	X							2,343	
<i>Glaucopteryx lygdamus palosverdesensis</i>	Palos Verdes blue butterfly	E		X	X			X	X		X	X	X		X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		127,329
<i>Lycaena hermes</i>	Hermes copper butterfly	C			X				X	X	X	X			X					X		X		X	X				X		X					91,752	
<i>Monadenia infumata setosa</i>	Trinity bristle snail		T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,452,451
<i>Pyrgus ruralis lagunae</i>	Laguna Mountains skipper	E			X				X	X	X			X		X				X	X	X	X	X	X	X		X		X		X				20,542	
<i>Rhaphiomidas terminatus abdominalis</i>	Delhi Sands flower-loving fly	E			X					X	X				X					X											X					3,671	
<i>Speyeria callippe callippe</i>	callippe silverspot butterfly	E		X	X		X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		204,771
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp ²	E		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	252,204
Mammals																																					
Federal and State Listed/CDFW Fully Protected																																					
<i>Ammospermophilus nelson</i>	Nelson's antelope squirrel		T													X			X							X		X							<1		
<i>Bassariscus astutus</i>	ringtail		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,452,456
<i>Dipodomys ingens</i>	giant kangaroo rat	E	E													X			X						X		X								<1		
<i>Dipodomys merriami parvus</i>	San Bernardino kangaroo rat	E	SC	X	X				X		X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		181,076
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	E	T	X	X				X		X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		641,243
<i>Microtus californicus scirpensis</i>	Amargosa vole	E	E		X		X			X				X		X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		7,678
<i>Ovis canadensis nelsoni</i>	desert bighorn sheep		FP	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	564,002
<i>Ovis canadensis nelsoni pop. 2</i>	Peninsular bighorn sheep DPS	E	T FP	X	X	X			X		X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		135,837
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	E	SC	X	X		X	X		X	X	X			X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		127,329
<i>Sorex ornatus relictus</i>	Buena Vista Lake ornate shrew	E	SC	X	X		X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		205,370
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	E	T							X						X			X							X		X							<1		
<i>Vulpes vulpes necator</i>	Sierra Nevada red fox	C	T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,452,451
<i>Xerospermophilus mohavensis</i>	Mohave ground squirrel		T	X	X	X		X	X			X				X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		<1	

Table 17b Special-Status Wildlife Species Known or with Potential to Occur in the Southern California Mountains and Valleys Ecological Section (M262B)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																								Total Acreage of Associated CWHR Types within the Treatable Landscape ¹									
		Federal	State	Alkali Desert Scrub	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Desert Scrub	Desert Succulent Scrub	Eastside Pine	Eucalyptus	Jeffrey Pine	Joshua Tree	Juniper	Lodgepole Pine	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper		Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	Subalpine Conifer	Valley Foothill Riparian	Valley Oak Woodland	White Fir		
CDFW Species of Special Concern																																					
<i>Antrozous pallidus</i>	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,452,456
<i>Chaetodipus californicus femoralis</i>	Dulzura pocket mouse		SC		X				X											X	X				X			X								-	
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse		SC		X				X					X						X	X			X	X		X				X					-	
<i>Chaetodipus fallax pallidus</i>	pallid San Diego pocket mouse		SC	X	X							X	X					X						X	X		X									-	
<i>Choeronycteris Mexicana</i>	Mexican long-tongued bat		SC		X				X	X	X	X			X					X												X				5,269	
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,452,456
<i>Euderma maculatum</i>	spotted bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,401,434
<i>Eumops perotis californicus</i>	western mastiff bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,452,456	
<i>Glaucomys oregonensis californicus</i>	San Bernardino flying squirrel		SC	X	X	X			X		X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		75,057	
<i>Lasiurus blossevillii</i>	western red bat		SC	X	X		X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,091,223	
<i>Lasiurus xanthinus</i>	western yellow bat		SC	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		1,140,145
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit		SC	X	X				X		X	X	X							X					X			X								-	
<i>Macrotus californicus</i>	California leaf-nosed bat		SC	X	X				X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		153,236	
<i>Microtus californicus stephensi</i>	south coast marsh vole ²		SC	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		265,512	
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat		SC	X	X	X			X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		79,078	
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat		SC	X	X	X			X	X	X	X	X		X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		936,299	
<i>Onychomys torridus ramona</i>	southern grasshopper mouse		SC	X	X				X			X	X	X						X	X				X			X								-	
<i>Perognathus alticola alticola</i>	white-eared pocket mouse		SC	X	X	X			X	X	X			X		X	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X	X		24,228	
<i>Perognathus alticola inexpectatus</i>	Tehachapi pocket mouse		SC		X			X	X				X		X		X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		23,658	
<i>Perognathus longimembris bangsi</i>	Palm Springs pocket mouse		SC	X																																-	
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse		SC		X				X											X						X										-	
<i>Perognathus longimembris internationalis</i>	Jacumba pocket mouse		SC	X	X							X	X												X			X								-	
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,452,456
<i>Xerospermophilus tereticaudus chlorus</i>	Palm Springs round-tailed ground squirrel		SC	X	X							X	X												X											-	
Reptiles																																					
Federal and State Listed/CDFW Fully Protected																																					
<i>Charina umbratica</i>	southern rubber boa		T	X	X				X		X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	61,473	
<i>Coleonyx switaki</i>	barefoot gecko		T	X	X				X		X	X	X	X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		74,535	
<i>Gambelia sila</i>	blunt-nosed leopard lizard	E	E FP		X					X	X	X						X		X					X		X								2,237		
<i>Gopherus agassizii</i>	desert tortoise	T	T	X	X	X		X	X		X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		41,320	
<i>Uma inornata</i>	Coachella Valley fringe-toed lizard	T	E	X	X						X	X	X																			X			1,201		

Table 17b Special-Status Wildlife Species Known or with Potential to Occur in the Southern California Mountains and Valleys Ecological Section (M262B)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																							Total Acreage of Associated CWHR Types within the Treatable Landscape ¹										
		Federal	State	Alkali Desert Scrub	Annual Grassland	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank Chaparral	Closed-Cone Pine-Cypress	Coastal Oak Woodland	Coastal Scrub	Desert Scrub	Desert Succulent Scrub	Eastside Pine	Eucalyptus	Jeffrey Pine	Joshua Tree	Juniper	Lodgepole Pine	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland		Pinyon-Juniper	Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	Subalpine Conifer	Valley Foothill Riparian	Valley Oak Woodland	White Fir		
CDFW Species of Special Concern																																					
Anniella sp.	California legless lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,440,927
Arizona elegans occidentalis	California glossy snake		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,064,035
Aspidoscelis tigris stejnegeri	coastal whiptail		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,257,866
Coleonyx variegatus abbotti	San Diego banded gecko		SC	X	X				X	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X		X	X		X					396,946	
Crotalus ruber	red-diamond rattlesnake		SC	X	X	X			X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X		X		X			1,051,522	
Emys marmorata	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,262,252	
Gambelia copeii	Cope's leopard lizard		SC		X				X		X	X								X	X			X	X			X				X				25,284	
Masticophis flagellum ruddocki	San Joaquin coachwhip		SC								X							X		X						X										21	
Masticophis fuliginosus	Baja California coachwhip		SC		X				X	X	X	X	X		X				X	X			X	X			X				X					77,708	
Phrynosoma blainvillii	coast horned lizard		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,444,526
Phrynosoma mcallii	flat-tailed horned lizard		SC	X	X						X	X	X																							3,452	
Salvadora hexalepis virgulata	coast patch-nosed snake		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,165,772
Thamnophis hammondi	two-striped garter snake ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,410,303
Thamnophis sirtalis pop. 1	south coast garter snake		SC	X	X		X		X	X	X	X	X	X	X		X		X	X	X	X	X	X	X		X	X		X		X		X		769,947	
Uma notata	Colorado Desert fringe-toed lizard		SC	X									X	X													X									247	
Uma scoparia	Mojave fringe-toed lizard		SC	X	X	X			X					X	X	X			X	X	X	X	X	X		X		X	X		X					13,143	

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate for listing
 FP = Fully Protected
 SC = CDFW Species of Special Concern

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.
² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.

Table 18a Special-Status Plant Species Known or with Potential to Occur in the Southern Cascades Ecological Section (M261D) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
Federal and State Listed					
<i>Cirsium ciliolatum</i>	Ashland thistle		E	2B.1	Cismontane woodland, valley and foothill grassland. Dry, grassy, south-facing slopes. 2592 to 4003 ft in elevation. Blooms June-August.
<i>Eriastrum tracyi</i>	Tracy's eriastrum		R	3.2	Chaparral, cismontane woodland, valley and foothill grassland. Gravelly shale or clay; often in open areas. 1033 to 5299 ft in elevation. Blooms May-July.
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop		E	1B.2	Marshes and swamps (freshwater), vernal pools. Clay soils; usually in vernal pools, sometimes on lake margins. 33 to 7792 ft in elevation. Blooms April-August.
<i>Orcuttia tenuis</i>	slender Orcutt grass	T	E	1B.1	Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
<i>Phlox hirsuta</i>	Yreka phlox	E	E	1B.2	Lower montane coniferous forest, upper montane coniferous forest. Open slopes and grasslands, on serpentine gravel. 2723 to 4199 ft in elevation. Blooms April-June.
California Rare Plant Ranked					
<i>Alisma gramineum</i>	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
<i>Allium jepsonii</i>	Jepson's onion			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. On serpentine soils in Sierra foothills, volcanic soil on Table Mountain. On slopes and flats; usually in an open area. 1165 to 3707 ft in elevation. Blooms April-August.
<i>Androsace filiformis</i>	slender-stemmed androsace			2B.3	Upper montane coniferous forest, meadows and seeps. Wet, clay, meadow soil with grasses and sedges; sometimes on streambanks; in somewhat disturbed sites (by cattle). 5791 to 6004 ft in elevation. Blooms June-October.
<i>Anisocarpus scabridus</i>	scabrid alpine tarplant			1B.3	Upper montane coniferous forest. Open stony ridges, metamorphic scree slopes of mountain peaks, and cliffs in or near red fir forest. 5413 to 7546 ft in elevation. Blooms July-August (September).
<i>Anthoxanthum nitens</i> ssp. <i>nitens</i>	vanilla-grass			2B.3	Meadows and seeps. Wet sites. 10 to 6217 ft in elevation. Blooms April-July.
<i>Arnica fulgens</i>	hillside arnica			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps. Open, damp depressions and meadows in sagebrush scrub or juniper woodland. 4298 to 7201 ft in elevation. Blooms May-July (August).
<i>Astragalus lemmonii</i>	Lemmon's milk-vetch			1B.2	Great Basin scrub, meadows and seeps, marshes and swamps. Lakeshores, meadows and seeps. 3304 to 7218 ft in elevation. Blooms May-August (September).
<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i>	Pulsifer's milk-vetch			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Usually granitic substrate, sandy or rocky, often with pines or sagebrush. 3757 to 6102 ft in elevation. Blooms May-August (September).
<i>Astragalus pulsiferae</i> var. <i>suksdorfii</i>	Suksdorf's milk-vetch			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Volcanic or clay soil; often gravelly or rocky. 509 to 6512 ft in elevation. Blooms May-August.
<i>Balsamorhiza lanata</i>	woolly balsamroot			1B.2	Cismontane woodland. Open woods, grassy slopes. Volcanic substrates. 2625 to 6217 ft in elevation. Blooms April-June.
<i>Betula glandulosa</i>	dwarf resin birch			2B.2	Bogs and fens, lower montane coniferous forest, meadows and seeps, marshes and swamps, subalpine coniferous forest. Mesic sites. 476 to 7513 ft in elevation. Blooms May-July.
<i>Botrychium ascendens</i>	upswept moonwort			2B.3	Lower montane coniferous forest, meadows and seeps. Grassy fields, coniferous woods near springs and creeks. 3658 to 10712 ft in elevation. Blooms July-August.
<i>Botrychium crenulatum</i>	scalloped moonwort			2B.2	Bogs and fens, meadows and seeps, upper montane coniferous forest, lower montane coniferous forest, marshes and swamps. Moist meadows, freshwater marsh, and near creeks. 3888 to 10203 ft in elevation. Blooms June-September.
<i>Botrychium minganense</i>	Mingan moonwort			2B.2	Lower montane coniferous forest, upper montane coniferous forest, bogs and fens, meadows and seeps. Creekbanks in mixed conifer forest. 3904 to 10810 ft in elevation. Blooms July-September.
<i>Botrychium montanum</i>	western goblin			2B.1	Old growth. Lower montane coniferous forest, upper montane coniferous forest, meadows and seeps. Creekbanks in old-growth forest. 4692 to 7972 ft in elevation. Blooms July-September.
<i>Botrychium pinnatum</i>	northwestern moonwort			2B.3	Lower montane coniferous forest, meadows and seeps, upper montane coniferous forest. Creekbanks. 5397 to 6709 ft in elevation. Blooms July-October.
<i>Botrypus virginianus</i>	rattlesnake fern			2B.2	Bogs and fens, lower montane coniferous forest, meadows and seeps, riparian forest. 6086 to 10072 ft in elevation. Blooms June-September.
<i>Brasenia schreberi</i>	watershield			2B.3	Freshwater marshes and swamps. Aquatic from water bodies both natural and artificial in California. 98 to 7218 ft in elevation. Blooms June-September.
<i>Calochortus greenei</i>	Greene's mariposa-lily			1B.2	Meadows and seeps, cismontane woodland, pinyon and juniper woodland, upper montane coniferous forest. On volcanic outcrops and open, dry, gravelly soils. 3396 to 6201 ft in elevation. Blooms June-August.
<i>Calochortus longebarbatus</i> var. <i>longebarbatus</i>	long-haired star-tulip			1B.2	Wetland Meadows and seeps, lower montane coniferous forest, Great Basin scrub, vernal pools. In wet meadows or grassy areas along drainages within forest. Clay soils. 3199 to 9400 ft in elevation. Blooms June-August.
<i>Calochortus monanthus</i>	single-flowered mariposa-lily			1A	Meadows and seeps. Known only from the type locality in a riparian meadow along the Shasta River. 2444 to 2625 ft in elevation. Blooms June.
<i>Calochortus syntrophus</i>	Callahan's mariposa-lily			1B.1	Cismontane woodland, valley and foothill grassland. In vernal mesic areas. 1411 to 4003 ft in elevation. Blooms May-June.
<i>Campanula wilkinsiana</i>	Wilkin's harebell			1B.2	Meadows and seeps, upper montane coniferous forest, subalpine coniferous forest. Often on streambanks in meadows. 4167 to 8530 ft in elevation. Blooms July-September.
<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort			1B.2	Chaparral, lower montane coniferous forest. Serpentine outcrops and gravelly serpentine talus. 984 to 3117 ft in elevation. Blooms February-May.
<i>Carex comosa</i>	bristly sedge			2B.1	Marshes and swamps, coastal prairie, valley and foothill grassland. Lake margins, wet places; site below sea level is on a Delta island. -16 to 5315 ft in elevation. Blooms May-September.
<i>Carex halliana</i>	Oregon sedge			2B.3	Meadows and seeps, subalpine coniferous forest, upper montane coniferous forest. Often on pumice. 4790 to 6824 ft in elevation. Blooms (May), July-September.
<i>Carex lasiocarpa</i>	woolly-fruited sedge			2B.3	Bogs and fens, marshes and swamps. Sphagnum bogs, freshwater marsh, lake margins. 1969 to 6398 ft in elevation. Blooms June-July.
<i>Carex limosa</i>	mud sedge			2B.2	Bogs and fens, lower montane coniferous forest, meadows and seeps, marshes and swamps, upper montane coniferous forest. In floating bogs and soggy meadows and edges of lakes. 4495 to 9154 ft in elevation. Blooms June-August.

Table 18a Special-Status Plant Species Known or with Potential to Occur in the Southern Cascades Ecological Section (M261D) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Carex petasata</i>	Liddon's sedge			2B.3	Broadleafed upland forest, lower montane coniferous forest, meadows and seeps, pinyon and juniper woodland. 2740 to 9941 ft in elevation. Blooms May-July.
<i>Carex sheldonii</i>	Sheldon's sedge			2B.2	Wetland Lower montane coniferous forest, marshes and swamps, riparian scrub. Mesic sites; along creeks and in wet meadows. 3937 to 6611 ft in elevation. Blooms May-August.
<i>Carex xerophila</i>	chaparral sedge			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Serpentine, gabbroic. 902 to 2526 ft in elevation. Blooms March-June.
<i>Castilleja lassenensis</i>	Lassen paintbrush			1B.3	Subalpine coniferous forest, meadows and seeps. Volcanic. 3133 to 10236 ft in elevation. Blooms June-September.
<i>Chaenactis suffrutescens</i>	Shasta chaenactis			1B.3	Lower montane coniferous forest, upper montane coniferous forest. Sandy or serpentine soils. 2461 to 9186 ft in elevation. Blooms May-September.
<i>Clarkia borealis</i> ssp. <i>arida</i>	Shasta clarkia			1B.1	Cismontane woodland, lower montane coniferous forest. Openings. 1394 to 1952 ft in elevation. Blooms June-August.
<i>Clarkia borealis</i> ssp. <i>borealis</i>	northern clarkia			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Often seen in roadcuts. 1132 to 5052 ft in elevation. Blooms June-September.
<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia			1B.2	Chaparral, cismontane woodland. Dry, grassy openings in chaparral or foothill woodland. Sometimes on serpentine. 689 to 3609 ft in elevation. Blooms May-July.
<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia			1B.3	Cismontane woodland, lower montane coniferous forest. On decomposed granite; sometimes on roadsides. 804 to 5610 ft in elevation. Blooms May-August.
<i>Climacium dendroides</i>	tree climacium moss			2B.1	Bogs and fens, North Coast coniferous forest. Edges of saturated fens or streams. 4872 to 4872 ft in elevation. Blooms .
<i>Cordylanthus tenuis</i> ssp. <i>pallescens</i>	pallid bird's-beak			1B.2	Lower montane coniferous forest. Gravelly openings in brush patches next to coniferous forest; on volcanic alluvium. 3510 to 5299 ft in elevation. Blooms July-September.
<i>Cryptantha crinita</i>	silky cryptantha			1B.2	Cismontane woodland, valley foothill grassland, lower montane coniferous forest, riparian forest, riparian woodland. In gravelly streambeds. 115 to 4003 ft in elevation. Blooms April-May.
<i>Cuscuta jepsonii</i>	Jepson's dodder			1B.2	North coast coniferous forest. Streamsides. 397 to 9006 ft in elevation. Blooms July-September.
<i>Draba carnosula</i>	Mt. Eddy draba			1B.3	Subalpine coniferous forest, upper montane coniferous forest. On talus or small boulder-fields; known from both serpentine and granite. 6348 to 9843 ft in elevation. Blooms July-August.
<i>Drosera anglica</i>	English sundew			2B.3	Bogs and fens, meadows. 4265 to 6562 ft in elevation. Blooms June-September.
<i>Epilobium oregonum</i>	Oregon fireweed			1B.2	Bogs and fens, lower montane coniferous forest, upper montane coniferous forest. In and near springs and bogs; at least sometimes on serpentine. 1640 to 7349 ft in elevation. Blooms June-September.
<i>Epilobium palustre</i>	marsh willowherb			2B.3	Wetland. Bogs and fens, meadows and seeps. Mesic sites. 5430 to 7710 ft in elevation. Blooms July-August.
<i>Erigeron lassenianus</i> var. <i>deficiens</i>	Plumas rayless daisy			1B.3	Lower montane coniferous forest. Gravelly, open sites. Sometimes on serpentine; sometimes on disturbed sites. 4446 to 6512 ft in elevation. Blooms June-September.
<i>Erigeron nivalis</i>	snow fleabane daisy			2B.3	Alpine boulder and rock field, meadows and seeps, subalpine coniferous forest. On volcanic rock outcrops in cracks and crevices. 5692 to 9514 ft in elevation. Blooms July-August.
<i>Eriogonum pyrolifolium</i> var. <i>pyrolifolium</i>	pyrola-leaved buckwheat			2B.3	Alpine boulder and rock field. Sandy or gravelly sites; on pumice. 5495 to 10499 ft in elevation. Blooms July-September.
<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat			1B.2	Cismontane woodland, chaparral. Serpentine. On slopes, in openings. 902 to 4856 ft in elevation. Blooms June-September.
<i>Erythranthe inflatula</i>	ephemeral monkeyflower			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Gravelly or rocky sites; vernally mesic. 4085 to 5807 ft in elevation. Blooms May-August.
<i>Erythronium klamathense</i>	Klamath fawn lily			2B.2	Upper montane coniferous forest, meadows and seeps. 3937 to 6070 ft in elevation. Blooms April-July.
<i>Erythronium revolutum</i>	coast fawn lily			2B.2	Bogs and fens, broadleafed upland forest, north coast coniferous forest. Mesic sites; streambanks. 197 to 4610 ft in elevation. Blooms March-July (August).
<i>Eurybia merita</i>	subalpine aster			2B.3	Upper montane coniferous forest. 4265 to 6562 ft in elevation. Blooms .
<i>Frangula purshiana</i> ssp. <i>ultramafica</i>	Caribou coffeeberry			1B.2	Lower montane coniferous forest, upper montane coniferous forest, chaparral, meadows and seeps. On serpentine. 2379 to 6004 ft in elevation. Blooms May-July.
<i>Galium serpenticum</i> ssp. <i>scotticum</i>	Scott Mountain bedstraw			1B.2	Lower montane coniferous forest. Generally on N-facing slopes on serpentine in mixed conifer forest. 3281 to 6808 ft in elevation. Blooms May-August.
<i>Geum aleppicum</i>	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
<i>Helodium blandowii</i>	Blandow's bog moss			2B.3	Meadows and seeps, subalpine coniferous forest. Moss growing on damp soil, especially under willows among leaf litter. 6109 to 8858 ft in elevation. Blooms .
<i>Heteranthera dubia</i>	water star-grass			2B.2	
<i>Horkelia daucifolia</i> var. <i>indicta</i>	Jepson's horkelia			1B.1	Cismontane woodland. Quaternary pyroclastic flows, volcanic or clay soils. Vernally mesic, openings. 787 to 2198 ft in elevation. Blooms April-June.
<i>Hulsea nana</i>	little hulsea			2B.3	Alpine boulder and rock field, subalpine coniferous forest. Rocky or gravelly sites; on volcanic substrates. 5643 to 11007 ft in elevation. Blooms July-August.
<i>Hymenoxys lemmonii</i>	alkali hymenoxys			2B.2	Great Basin scrub, lower montane coniferous forest, meadows and seeps. Subalkaline soils. 2641 to 9006 ft in elevation. Blooms June-August (September).
<i>Ivesia pickeringii</i>	Pickering's ivesia			1B.2	Lower montane coniferous forest, meadows and seeps. Mesic clay; usually serpentine seeps. 2789 to 5003 ft in elevation. Blooms June-August (October).
<i>Juncus digitatus</i>	finger rush			1B.1	Cismontane woodland (openings), lower montane coniferous forest (openings), vernal pools. In full sun, in the vernally damp ground of seeps, vernal pools and swales on gentle slopes over volcanic bedrock. 1969 to 2592 ft in elevation. Blooms (April), May-June.

Table 18a Special-Status Plant Species Known or with Potential to Occur in the Southern Cascades Ecological Section (M261D) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush			1B.1	Chaparral, valley and foothill grassland, cismontane woodland, vernal pools, meadows and seeps. Vernal mesic sites. Sometimes on edges of vernal pools. 98 to 3363 ft in elevation. Blooms March-June.
<i>Juncus luciensis</i>	Santa Lucia dwarf rush			1B.2	Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub. Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 984 to 6693 ft in elevation. Blooms April-July.
<i>Limnanthes floccosa</i> ssp. <i>bellingiana</i>	Bellinger's meadowfoam			1B.2	Meadows and seeps, cismontane woodland. Vernal wet sites including wet edges of meadows, and damp, stony flats. 935 to 3609 ft in elevation. Blooms April-June.
<i>Lomatium peckianum</i>	Peck's lomatium			2B.2	Chaparral, cismontane woodland, lower montane coniferous forest, pinyon and juniper woodland. Rocky slopes, flats, and sometimes grassy openings, in yellow pine-black oak woodland, on volcanic soils. 2247 to 3871 ft in elevation. Blooms April-May (June).
<i>Lysimachia thyrsoiflora</i>	tufted loosestrife			2B.3	Meadows and seeps, marshes and swamps, upper montane coniferous forest. Mesic sites; known from lake margins, along streams and in wet meadows. 3199 to 5495 ft in elevation. Blooms May-August.
<i>Meesia uliginosa</i>	broad-nerved hump moss			2B.2	Meadows and seeps, bogs and fens, upper montane coniferous forest, subalpine coniferous forest. Moss on damp soil. Often found on the edge of fens or raised above the fen on hummocks/shrub bases. 3593 to 9203 ft in elevation. Blooms July-October.
<i>Mertensia longiflora</i>	long bluebells			2B.2	Great Basin scrub, lower montane coniferous forest. 4347 to 6004 ft in elevation. Blooms April-June.
<i>Microseris laciniata</i> ssp. <i>detlingii</i>	Detling's silverpuffs			2B.2	Cismontane woodland. Openings in clay soils. 1969 to 4921 ft in elevation. Blooms May-June.
<i>Monardella follettii</i>	Follett's monardella			1B.2	Lower montane coniferous forest. Open rocky serpentine slopes. 1969 to 6562 ft in elevation. Blooms June-September.
<i>Moneses uniflora</i>	woodnymph			2B.2	Broadleafed upland forest, North coast coniferous forest. 328 to 3609 ft in elevation. Blooms May-August.
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia			1B.1	Cismontane woodland, meadows and seeps, vernal pools, valley and foothill grassland, lower montane coniferous forest. Vernal pools and swales; adobe or alkaline soils. 16 to 5709 ft in elevation. Blooms April-July.
<i>Ophioglossum pusillum</i>	northern adder's-tongue			2B.2	Marshes and swamps, meadows and seeps. Marsh edges, low pastures, grassy roadside ditches. Also described as in "open swamp." 3560 to 6348 ft in elevation. Blooms July.
<i>Opuntia fragilis</i>	brittle prickly-pear			2B.1	Pinyon and juniper woodland. Volcanic soils. 2690 to 2887 ft in elevation. Blooms April-July.
<i>Orthocarpus pachystachyus</i>	Shasta orthocarpus			1B.1	Great Basin scrub, meadows and seeps, valley and foothill grassland. Alluvial plains, hillsides. 2740 to 5003 ft in elevation. Blooms May.
<i>Orthotrichum holzingeri</i>	Holzinger's orthotrichum moss			1B.3	Cismontane woodland, lower montane coniferous forest, upper montane coniferous forest, pinyon-juniper woodland. Usually on rock in and along streams, rarely on tree limbs. 2346 to 5906 ft in elevation. Blooms .
<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Rose's ragwort			1B.2	Cismontane woodland, lower montane coniferous forest, chaparral. Steep slopes and in canyons in serpentine soil, often along or near roads. 902 to 6201 ft in elevation. Blooms March-July (August),(September).
<i>Paronychia ahartii</i>	Ahart's paronychia			1B.1	Valley and foothill grassland, vernal pools, cismontane woodland. Stony, nearly barren clay of swales and higher ground around vernal pools. 98 to 1673 ft in elevation. Blooms February-June.
<i>Penstemon sudans</i>	Susanville beardtongue			1B.2	Great Basin scrub, lower montane coniferous forest, pinyon and juniper woodland. Volcanic rocky sites. 4199 to 7972 ft in elevation. Blooms June-July (August),(September).
<i>Phacelia cookei</i>	Cooke's phacelia			1B.1	Great Basin scrub, lower montane coniferous forest. Disturbed areas of loose, ashy volcanic sand at the edges of old roads. 3593 to 5577 ft in elevation. Blooms June-July.
<i>Phacelia inundata</i>	playa phacelia			1B.3	Great Basin scrub, lower montane coniferous forest, playas. Dried edges of alkali lakes and sinks, inundated clay soils. 4429 to 6562 ft in elevation. Blooms May-August (September).
<i>Phlox muscoides</i>	squarestem phlox			2B.3	Alpine boulder and rock field, subalpine coniferous forest, Great Basin scrub. Open rocky slopes. 4199 to 8858 ft in elevation. Blooms (May), June-August.
<i>Picea engelmannii</i>	Engelmann spruce			2B.2	Upper montane coniferous forest. Slopes and hillsides, often on alluvial terrace. 3494 to 7005 ft in elevation. Blooms .
<i>Polemonium carneum</i>	Oregon polemonium			2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. 0 to 6004 ft in elevation. Blooms April-September.
<i>Polygonum polygaloides</i> ssp. <i>esotericum</i>	Modoc County knotweed			1B.3	Wetland Great Basin scrub, vernal pools, lower montane coniferous forest, meadows and seeps. Edges of seasonal lakes and ponds with <i>Deschampsia</i> , <i>Navarretia</i> , etc. 2904 to 5545 ft in elevation. Blooms May-September.
<i>Potamogeton praelongus</i>	white-stemmed pondweed			2B.3	Marshes and swamps. Deep water, lakes. 5906 to 9843 ft in elevation. Blooms July-August.
<i>Potamogeton zosteriformis</i>	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
<i>Potentilla newberryi</i>	Newberry's cinquefoil			2B.3	Marshes and swamps, vernal pools. Receding shorelines; drying wetland margins. 4216 to 6332 ft in elevation. Blooms May-August.
<i>Rhamnus alnifolia</i>	alder buckthorn			2B.2	Meadows and seeps, lower montane coniferous forest, upper montane coniferous forest, riparian scrub. Mesic sites. 4692 to 7005 ft in elevation. Blooms May-July.
<i>Ribes hudsonianum</i> var. <i>petiolare</i>	western black currant			2B.3	Riparian scrub. Along creeks with <i>Salix</i> , <i>Heracleum</i> , etc. 4921 to 7316 ft in elevation. Blooms May-July.
<i>Rorippa columbiae</i>	Columbia yellow cress			1B.2	Meadows and seeps, playas, vernal pools, lower montane coniferous forest. Moist sandy soil, low gravelly river banks, basaltic lava slopes. 3937 to 5906 ft in elevation. Blooms May-September.
<i>Rosa gymnocarpa</i> var. <i>serpentina</i>	Gasquet rose			1B.3	Chaparral, cismontane woodland. Serpentine. Often on roadsides, sometime on ridges, streambanks, and in openings. 1198 to 7316 ft in elevation. Blooms April-June (August).
<i>Rupertia hallii</i>	Hall's rupertia			1B.2	Cismontane woodland, lower montane coniferous forest. On disturbed soils of roadsides and logged forests. 1788 to 4757 ft in elevation. Blooms June-August (September).
<i>Salix bebbiana</i>	Bebb's willow			2B.3	Riparian scrub, marshes and swamps. Streambanks, lakeshores. 3937 to 7316 ft in elevation. Blooms May.
<i>Scheuchzeria palustris</i>	American scheuchzeria			2B.1	Bogs and fens, marshes and swamps. Sphagnum bogs and on lake margins. 4495 to 6562 ft in elevation. Blooms July-August.

Table 18a Special-Status Plant Species Known or with Potential to Occur in the Southern Cascades Ecological Section (M261D) within the Treatable Landscape

Scientific Name	Common Name	Listing Status			Habitat Description
		Federal	State	California Rare Plant Rank	
<i>Schoenoplectus heterochaetus</i>	slender bulrush			2B.1	Marshes and swamps, lower montane coniferous forest. Montane lake margins. In California: 5249 to 5249 ft in elevation. Blooms August.
<i>Scirpus pendulus</i>	pendulous bulrush			2B.2	Meadows and seeps, freshwater marsh. Mesic sites. 2625 to 3281 ft in elevation. Blooms June-August.
<i>Scutellaria galericulata</i>	marsh skullcap			2B.2	Marshes and swamps, lower montane coniferous forest, meadows and seeps. Swamps and wet places. 0 to 6398 ft in elevation. Blooms June-September.
<i>Sedum obtusatum</i> ssp. <i>paradisum</i>	Canyon Creek stonecrop			1B.3	Chaparral, lower montane coniferous forest, subalpine coniferous forest, broadleaved upland forest. Rock faces, in crevices of exposed granite. 984 to 6234 ft in elevation. Blooms May-June.
<i>Sidalcea robusta</i>	Butte County checkerbloom			1B.2	Chaparral, cismontane woodland. Small draws and rocky crevices. 246 to 1312 ft in elevation. Blooms April-June.
<i>Silene occidentalis</i> ssp. <i>longistipitata</i>	long-stiped campion			1B.2	Chaparral, lower montane coniferous forest, upper montane coniferous forest. 3281 to 6562 ft in elevation. Blooms June-August.
<i>Silene suksdorfii</i>	Cascade alpine campion			2B.3	Alpine boulder and rock field, subalpine coniferous forest, upper montane coniferous forest. Rocky, volcanic soils. 7726 to 10203 ft in elevation. Blooms July-September.
<i>Stachys pilosa</i>	hairy marsh hedge-nettle			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 2575 to 6709 ft in elevation. Blooms June-August.
<i>Stellaria longifolia</i>	long-leaved starwort			2B.2	Bogs and fens, meadows and seeps, riparian woodland, upper montane coniferous forest. Moist areas. 2953 to 6004 ft in elevation. Blooms May-August.
<i>Stenotus lanuginosus</i> var. <i>lanuginosus</i>	woolly stenotus			2B.2	Pinyon-juniper woodland, Great Basin scrub, meadows and seeps. Exposed ridges and flats in shallow, rocky soil. Often in sagebrush at edges of other vegetation types. 4921 to 6332 ft in elevation. Blooms May-July.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	slender-leaved pondweed			2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.
<i>Thelypodium howellii</i> ssp. <i>howellii</i>	Howell's thelypodium			1B.2	Great Basin scrub, meadows and seeps. Moist alkaline meadows. 3297 to 6709 ft in elevation. Blooms May-July.
<i>Trifolium piorkowskii</i>	maverick clover			1B.2	Volcanic, clay openings, often on streambanks within chaparral, cismontane woodland, lower montane coniferous forest, mesic sites within valley and foothill grassland, and vernal pools. 525 to 2,231 ft in elevation. Blooms April-May.
<i>Trifolium siskiyouense</i>	Siskiyou clover			1B.1	Meadows and seeps. Mesic sites. 2887 to 4921 ft in elevation. Blooms June-July.
<i>Triteleia grandiflora</i>	large-flowered triteleia			2B.1	Great Basin scrub, pinyon-juniper woodland. In rocky areas in sagebrush scrub, and in woodland. 2297 to 4921 ft in elevation. Blooms April-June.
<i>Triteleia hendersonii</i>	Henderson's triteleia			2B.2	Cismontane woodland. Open slopes and road banks. 2493 to 3937 ft in elevation. Blooms May-July.
<i>Utricularia intermedia</i>	flat-leaved bladderwort			2B.2	Bogs and fens, meadows and seeps, marshes and swamps, vernal pools. Mesic meadows, lake margins, marshes, fens. 2198 to 8711 ft in elevation. Blooms July-August.
<i>Utricularia ochroleuca</i>	cream-flowered bladderwort			2B.2	Meadows and seeps, marshes and swamps. Mesic sites, including lake margins. 4298 to 7710 ft in elevation. Blooms June-July.
<i>Vaccinium scoparium</i>	little-leaved huckleberry			2B.2	Subalpine coniferous forest. Rocky, subalpine woods. Sometimes serpentine. 3396 to 7218 ft in elevation. Blooms June-August.

Listing Status
 E = Endangered
 T = Threatened
 R = Rare

California Rare Plant Rank
 1A = Plants presumed extirpated in California and either rare or extinct elsewhere
 1B = Plants rare, threatened, or endangered in California and elsewhere
 2B = Plants rare or endangered in California, but more common elsewhere
 3 = Plants for which we need more information – review list

Threat Ranks
 0.1 - Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 0.2 – Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Source: Compiled by Ascent Environmental in 2019

Table 18b Special-Status Wildlife Species Known or with Potential to Occur in the Southern Cascades Ecological Section (M261D)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																								Total Acreage of Associated CWHR Types within the Treatable Landscape ¹					
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Closed-Cone Pine-Cypress	Douglas Fir	Eastside Pine	Jeffrey Pine	Juniper	Klamath Mixed Conifer	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Red Fir	Sagebrush	Sierran Mixed Conifer		Subalpine Conifer	Valley Foothill Riparian	Valley Oak Woodland	White Fir	
Amphibians																																	
Federal and State Listed/CDFW Fully Protected																																	
Hydromantes shastae	Shasta salamander		T		X			X	X		X	X			X			X	X	X	X	X		X	X		X					X	164
Rana boylei	foothill yellow-legged frog ²		C SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	818,875
Rana cascadae	Cascades frog ²		C SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	462,971	
Rana draytonii	California red-legged frog ²	T	SC		X	X		X	X	X	X	X			X			X	X	X	X	X	X	X	X	X		X	X	X	351,191		
Rana pretiosa	Oregon spotted frog ²	T			X		X				X		X					X	X	X	X		X	X		X					7,862		
Rana sierrae	Sierra Nevada yellow-legged frog ²	E	T		X		X				X	X						X			X		X	X	X	X				X	<1		
CDFW Species of Special Concern																																	
Ambystoma macrodactylum sigillatum	southern long-toed salamander ²		SC	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	455,983	
Ascaphus truei	Pacific tailed frog ²		SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	269,762	
Lithobates pipiens	Northern leopard frog ²		SC		X	X		X	X		X	X	X		X	X	X	X	X	X	X	X	X	X		X	X			X	32,681		
Birds																																	
Federal and State Listed/CDFW Fully Protected																																	
Agelaius tricolor	tricolored blackbird		E SC		X	X	X	X	X		X	X		X				X	X	X	X	X	X	X		X	X		X	X	17,437		
Antigone canadensis tabida	greater sandhill crane		T FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	991,633	
Aquila chrysaetos	golden eagle		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,535,830	
Buteo swainsoni	Swainson's hawk		T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	220,043		
Elanus leucurus	white-tailed kite		FP		X			X	X		X							X	X	X	X		X	X		X	X		X	X	<1		
Empidonax traillii	willow flycatcher		E		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	479,142	
Empidonax traillii brewsteri	little willow flycatcher		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,535,830	
Falco peregrinus anatum	American peregrine falcon		FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,535,830	
Haliaeetus leucocephalus	bald eagle		E FP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,535,830	
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	903,286	
Riparia riparia	bank swallow		T	X	X	X	X	X	X		X	X	X			X	X	X	X	X	X	X	X		X	X					45,473		
Strix nebulosa	great gray owl		E		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	631,978		
Strix occidentalis caurina	northern spotted owl	T	T SC	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	7,872		

Table 18b Special-Status Wildlife Species Known or with Potential to Occur in the Southern Cascades Ecological Section (M261D)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																								Total Acreage of Associated CWHR Types within the Treatable Landscape ¹						
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Closed-Cone Pine-Cypress	Douglas Fir	Eastside Pine	Jeffrey Pine	Juniper	Klamath Mixed Conifer	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Red Fir	Sagebrush	Sierran Mixed Conifer		Subalpine Conifer	Valley Foothill Riparian	Valley Oak Woodland	White Fir		
CDFW Species of Special Concern																																		
<i>Accipiter gentilis</i>	northern goshawk		SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,354,897
<i>Ammodramus savannarum</i>	grasshopper sparrow		SC		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	70,173		
<i>Anser albifrons elgasi</i>	Tule greater white-fronted goose		SC	X		X					X										X			X						X	<1			
<i>Asio flammeus</i>	short-eared owl		SC	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	588,289		
<i>Asio otus</i>	long-eared owl		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,535,830		
<i>Athene cucularia</i>	burrowing owl		SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	970,087			
<i>Aythya americana</i>	redhead ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	623,190			
<i>Centrocercus urophasianus</i>	greater sage-grouse		SC								X		X												X					37				
<i>Chaetura vauxi</i>	Vaux's swift		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,535,830		
<i>Charadrius alexandrinus</i>	snowy plover (interior population) ²		SC		X		X					X										X			X					<1				
<i>Chlidonias niger</i>	black tern ²		SC	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	537,188			
<i>Circus cyaneus</i>	northern harrier		SC	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	478,851			
<i>Contopus cooperi</i>	olive-sided flycatcher		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,535,830		
<i>Coturnicops noveboracensis</i>	yellow rail ²		SC		X							X	X					X				X			X	X				X	-			
<i>Cypseloides niger</i>	black swift		SC		X	X	X	X	X	X	X			X		X	X	X	X	X	X	X	X	X	X	X				X	82,016			
<i>Histrionicus histrionicus</i>	harlequin duck ²		SC		X						X	X			X			X			X	X	X		X	X		X		X	17,913			
<i>Icteria virens</i>	yellow-breasted chat		SC		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	757,056		
<i>Ixobrychus exilis</i>	least bittern ²		SC		X								X									X			X					983				
<i>Lanius ludovicianus</i>	loggerhead shrike		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	322,063		
<i>Pelecanus erythrorhynchos</i>	American white pelican ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,012,859		
<i>Progne subis</i>	purple martin		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,160,836		
<i>Setophaga petechia</i>	yellow warbler		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,535,830		
<i>Strix occidentalis occidentalis</i>	California spotted owl		SC	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	5,845			
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	951,273			
Invertebrates																																		
Federal and State Listed/CDFW Fully Protected																																		
<i>Bombus crotchii</i>	Crotch bumble bee ²		C		X	X		X	X	X	X	X		X	X				X	X	X	X	X	X		X	X	X	X	X	545,456			
<i>Bombus franklini</i>	Franklin's bumble bee ²		C		X	X				X	X	X		X					X	X	X	X	X			X				X	26,946			
<i>Bombus occidentalis occidentalis</i>	western bumble bee ²		C		X	X		X	X	X	X	X		X	X				X	X	X	X	X			X	X	X	X	X	1,246,377			
<i>Bombus suckley</i>	Suckley cuckoo bumble bee ²		C		X	X		X	X	X	X	X		X	X				X	X	X	X	X			X	X	X	X	X	632,555			

Table 18b Special-Status Wildlife Species Known or with Potential to Occur in the Southern Cascades Ecological Section (M261D)

Scientific Name	Common Name	Listing Status		CWHR Types within the Treatable Landscape																								Total Acreage of Associated CWHR Types within the Treatable Landscape ¹				
		Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Closed-Cone Pine-Cypress	Douglas Fir	Eastside Pine	Jeffrey Pine	Juniper	Klamath Mixed Conifer	Lodgepole Pine	Low Sage	Mixed Chaparral	Montane Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Ponderosa Pine	Red Fir	Sagebrush	Sierran Mixed Conifer		Subalpine Conifer	Valley Foothill Riparian	Valley Oak Woodland	White Fir
<i>Lepus americanus tahoensis</i>	Sierra Nevada snowshoe hare		SC		X	X	X	X	X		X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	327,269
<i>Taxidea taxus</i>	American badger		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1,535,830	

Reptiles

CDFW Species of Special Concern

<i>Emys marmorata</i>	western pond turtle ²		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	973,564
<i>Phrynosoma blainvillii</i>	coast horned lizard		SC														X		X	X										<1	

Listing Status
 E = Endangered
 T = Threatened
 C = Candidate for listing
 FP = Fully Protected
 SC = CDFW Species of Special Concern

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the species range. If range maps were not available, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable landscape is not available.

² Aquatic CWHR types are excluded from the treatable landscape and therefore do not appear in this table. However, these species have the potential to occur in a listed CWHR types if it is adjacent to suitable aquatic habitat.

Table 19 Special-Status Fish Species Known or with Potential to Occur by Ecological Section

Scientific Name	Common Name	Legal Status		Ecoregion																	
		Federal	State	Central California Coast	Southern California Coast	Great Valley	Northern California Coast	Mojave Desert	Colorado Desert	Mono	Southeastern Great Basin	Northwestern Basin and Range	Klamath Mountains	Northern California Coast Ranges	Northern California Interior and Coast Ranges	Southern Cascades	Sierra Nevada	Sierra Nevada Foothills	Modoc Plateau	Central California Coast Ranges	Southern California Mountains and Valleys
Federal or State Listed/CDFW Fully Protected																					
<i>Acipenser medirostris</i>	green sturgeon	T	SC				X						X	X							
<i>Catostomus microps</i>	Modoc sucker		E FP																X		
<i>Catostomus santaanae</i>	Santa Ana sucker	T			X																X
<i>Chasmistes brevirostris</i>	shortnose sucker	E	E FP													X			X		
<i>Cottus asperimus</i>	rough sculpin		T FP									X				X			X		
<i>Cyprinodon macularius</i>	desert pupfish	E	E						X	X											X
<i>Cyprinodon radiosus</i>	Owens pupfish	E	E FP					X		X	X	X					X				
<i>Cyprinodon salinus milleri</i>	Cottonball Marsh pupfish		T					X			X										
<i>Deltistes luxatus</i>	Lost River sucker	E	E FP													X			X		
<i>Eucyclogobius newberryi</i>	tidewater goby	E	SC	X	X		X							X	X						X
<i>Gasterosteus aculeatus williamsoni</i>	unarmored threespine stickleback	E	E FP		X																X
<i>Gila bicolor ssp. snyderi</i>	Owens Tui Chub	E	E					X		X	X								X		
<i>Gila elegans</i>	bonytail	E	E					X	X												
<i>Hypomesus transpacificus</i>	Delta smelt	T	E	X		X	X														X
<i>Lavinia exilicauda chi</i>	Clear Lake hitch		T											X							
<i>Oncorhynchus clarkii henshawi</i>	Lahontan cutthroat trout	T								X	X								X		
<i>Oncorhynchus clarkia seleneris</i>	Paiute cutthroat trout	T																	X		
<i>Oncorhynchus kisutch pop. 2</i>	coho salmon - southern Oregon / northern California ESU	T	T				X							X	X				X		
<i>Oncorhynchus kisutch pop. 4</i>	coho salmon - central California coast ESU	E	E	X			X							X	X						
<i>Oncorhynchus mykiss irideus pop. 10</i>	steelhead - southern California DPS	E		X	X															X	X
<i>Oncorhynchus mykiss irideus pop. 11</i>	steelhead - Central Valley DPS	T		X		X	X						X	X	X	X	X	X		X	
<i>Oncorhynchus mykiss irideus pop. 16</i>	steelhead - northern California DPS	T					X						X	X							
<i>Oncorhynchus mykiss irideus pop. 8</i>	steelhead - central California coast DPS	T		X		X	X							X	X					X	

Table 19 Special-Status Fish Species Known or with Potential to Occur by Ecological Section

Scientific Name	Common Name	Legal Status		Ecoregion																	
		Federal	State	Central California Coast	Southern California Coast	Great Valley	Northern California Coast	Mojave Desert	Colorado Desert	Mono	Southeastern Great Basin	Northwestern Basin and Range	Klamath Mountains	Northern California Coast Ranges	Northern California Interior and Coast Ranges	Southern Cascades	Sierra Nevada	Sierra Nevada Foothills	Modoc Plateau	Central California Coast Ranges	Southern California Mountains and Valleys
<i>Oncorhynchus mykiss irideus</i> pop. 9	steelhead - south-central California coast DPS	T		X																X	
<i>Oncorhynchus mykiss whitei</i>	Little Kern golden trout	T															X				
<i>Oncorhynchus tshawytscha</i> pop. 17	chinook salmon - California coastal ESU	T					X					X	X								
<i>Oncorhynchus tshawytscha</i> pop. 6	chinook salmon - Central Valley spring-run ESU	T	T	X		X	X					X	X	X	X	X	X				
<i>Oncorhynchus tshawytscha</i> pop. 7	chinook salmon - Sacramento River winter-run ESU	E	E	X		X	X					X		X	X		X				
<i>Ptychocheilus lucius</i>	Colorado pikeminnow	E	E FP					X	X												
<i>Salvelinus confluentus</i>	bull trout	T	E									X				X					
<i>Siphateles bicolor mohavensis</i>	Mohave tui chub	E	E FP					X													X
<i>Siphateles bicolor snyderi</i>	Owens tui chub	E	E					X	X	X							X				
<i>Spirinchus thaleichthys</i>	longfin smelt	C	T SC	X		X	X														
<i>Thaleichthys pacificus</i>	eulachon	T				X	X					X	X								
<i>Spirinchus thaleichthys</i>	longfin smelt	C	T SC	X		X	X														
<i>Thaleichthys pacificus</i>	eulachon	T				X	X														
<i>Xyrauchen texanus</i>	razorback sucker	E	E FP					X	X												
CDFW Species of Special Concern																					
<i>Archoplites interruptus</i>	Sacramento perch		SC	X		X							X	X	X	X	X		X		
<i>Catostomus fumeiventris</i>	Owens sucker		SC					X	X	X						X					
<i>Catostomus occidentalis lacusanserinus</i>	Goose Lake sucker		SC																X		
<i>Catostomus platyrhynchus</i>	mountain sucker		SC						X	X					X	X			X		
<i>Catostomus snyderi</i>	Klamath largescale sucker		SC												X				X		
<i>Cottus klamathensis macrops</i>	bigeye marbled sculpin		SC									X			X				X		
<i>Cyprinodon nevadensis amargosae</i>	Amargosa pupfish		SC					X	X												
<i>Cyprinodon nevadensis nevadensis</i>	Saratoga Springs pupfish		SC					X													
<i>Cyprinodon nevadensis shoshone</i>	Shoshone pupfish		SC					X													
<i>Cyprinodon salinus salinus</i>	Salt Creek pupfish		SC					X		X											
<i>Entosphenus folletti</i>	northern California brook lamprey		SC												X				X		
<i>Entosphenus hubbsi</i>	Kern brook lamprey		SC			X										X	X				

Table 19 Special-Status Fish Species Known or with Potential to Occur by Ecological Section

Scientific Name	Common Name	Legal Status		Ecoregion																		
		Federal	State	Central California Coast	Southern California Coast	Great Valley	Northern California Coast	Mojave Desert	Colorado Desert	Mono	Southeastern Great Basin	Northwestern Basin and Range	Klamath Mountains	Northern California Coast Ranges	Northern California Interior and Coast Ranges	Southern Cascades	Sierra Nevada	Sierra Nevada Foothills	Modoc Plateau	Central California Coast Ranges	Southern California Mountains and Valleys	
<i>Siphateles bicolor pectinifer</i>	Lahontan Lake tui chub		SC														X					
<i>Siphateles bicolor ssp. 1</i>	Eagle Lake tui chub		SC													X			X			
<i>Siphateles bicolor thalassinus</i>	Goose Lake tui chub		SC																X			
<i>Siphateles bicolor vaccaceps</i>	Cow Head tui chub		SC								X								X			

Source: Compiled by Ascent Environmental in 2019 from data downloaded from CDFW and UC Davis