Appendix BIO-3

Special-Status Species Tables

Table 1a Special-Stat	tus Plant Species Known o	r with Do	ntantial	to Occur	in the Central California Coast Ecological Section (261A) within the Treatment Areas
Table la Special State	da Flant Species Known o		sting Sta		in the central camornia coast ecological section (2014) within the freathern Areas
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Federal and State Listed				l	
Acanthomintha duttonii	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.
	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.
1 /	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>'</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.
	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.
Arctostaphylos pacifica	Pacific manzanita		E	1B.1	Coastal scrub, chaparral. 0 to 0 ft in elevation. Blooms February-April.
Arctostaphylos pallida	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.
Arenaria paludicola	marsh sandwort	E	E	1B.1	Marshes and swamps. Growing up through dense mats of Typha, Juncus, Scirpus, etc. in freshwater marsh. Sandy soil. 10 to 558 ft in elevation. Blooms May-August.
Astragalus tener var. titi	coastal dunes milk-vetch	Е	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.
Bloomeria humilis	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.
Castilleja affinis var. neglecta	Tiburon paintbrush	E	Т	1B.2	Valley and foothill grassland. Rocky serpentine sites. 394 to 1312 ft in elevation. Blooms April-June.
Ceanothus ferrisiae	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.
Ceanothus hearstiorum	Hearsts' ceanothus		R	1B.2	Maritime chaparral, coastal prairie, coastal scrub. In grassland or chaparral, sometimes w/ Arctostaphylos cruzensis. 230 to 1001 ft in elevation. Blooms March-April.
Ceanothus maritimus	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.
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	Е	Е	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.
Chorizanthe pungens var. hartwegiana	Ben Lomond spineflower	Е		1B.1	Lower montane coniferous forest. Zayante coarse sands in maritime ponderosa pine sandhills. 344 to 1558 ft in elevation. Blooms April-July.
Chorizanthe pungens var. pungens	Monterey spineflower	Т		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).
Chorizanthe robusta var. hartwegii	Scotts Valley spineflower	Е		1B.1	Meadows, valley and foothill grassland. In grasslands with mudstone and sandstone outcrops. 344 to 804 ft in elevation. Blooms April-July.
Chorizanthe robusta var. robusta	robust spineflower	Е		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.
Cirsium fontinale var. fontinale	Crystal Springs fountain thistle	Е	Е	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.
Cirsium fontinale var. obispoense	San Luis Obispo fountain thistle	Е	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).
Cirsium rhothophilum	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.
Cirsium scariosum var. loncholepis	La Graciosa thistle	Е	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.
Clarkia franciscana	Presidio clarkia	Е	Е	1B.1	Coastal scrub, valley and foothill grassland. Serpentine outcrops in grassland or scrub. 66 to 1001 ft in elevation. Blooms May-July.
Clarkia speciosa ssp. immaculata	Pismo clarkia	Е	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.
Cordylanthus nidularius	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.
Cordylanthus rigidus ssp. littoralis	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.
Deinandra increscens ssp. villosa	Gaviota tarplant	Е	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.
Dithyrea maritima	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.
Dudleya abramsii ssp. setchellii	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.
Eriodictyon altissimum	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.
Eriophyllum latilobum	San Mateo woolly sunflower	E	Е	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.
Erysimum menziesii	Menzies' wallflower	E	Е	1B.1	Coastal dunes. Localized on dunes and coastal strand. 3 to 82 ft in elevation. Blooms March-September.

Table 1a Special-Sta	atus Plant Spacies Known s	ar with De	stantial	to Occur	in the Central California Coast Ecological Section (261A) within the Treatment Areas
Table la Special-Sta	itus Piant Species Known c	_	isting Sta		in the Central California Coast Ecological Section (261A) within the Treatment Areas
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Erysimum teretifolium	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.
Gilia tenuiflora ssp. arenaria	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.
Hesperocyparis abramsiana var. abramsiana	Santa Cruz cypress	Т	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/Pinus attenuata, redwoods. 984 to 3560 ft in elevation.
Hesperocyparis goveniana	Gowen cypress	Т		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.
Hesperolinon congestum	Marin western flax	Т	T	1B.1	In serpentine barrens and in serpentine valley and foothill grassland and chaparral. 197 to 1214 ft in elevation. Blooms April-July.
Holocarpha macradenia	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.
Lasthenia conjugens	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.
Layia carnosa	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.
Limnanthes douglasii ssp. sulphurea	Point Reyes meadowfoam		E	1B.2	Marshes and swamps (freshwater), vernal pools, and seeps. Vernally wet depressions in open rolling, coastal prairies and meadows; typically in dark clay soil. 33 to 410 ft in elevation. Blooms March-May.
Lupinus nipomensis	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.
Lupinus tidestromii	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.
Nasturtium gambelii	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.
Oenothera deltoides ssp. howellii	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.
Pedicularis dudleyi	Dudley's lousewort	<u> </u>	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.
Pentachaeta bellidiflora	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.
Piperia yadonii	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.
Plagiobothrys diffusus	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.
Polygonum hickmanii	Scotts Valley polygonum	E	Ł	1B.1	Valley and foothill grassland. Purisima sandstone or mudstone with a thin soil layer, vernally moist due to runoff. 689 to 755 ft in elevation. Blooms May-August.
Potentilla hickmanii	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.
Sanicula maritima	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.
Sanicula saxatilis	rock sanicle		R	1B.2	Broadleafed 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.
Sidalcea hickmanii ssp. anomala	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.
Streptanthus albidus ssp. albidus	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.
Suaeda californica	California seablite	E _		1B.1	Marshes and swamps. Margins of coastal salt marshes. 0 to 16 ft in elevation. Blooms July-October.
Trifolium amoenum	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.
Trifolium polyodon	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).
Trifolium trichocalyx	Monterey clover	E	Ŀ	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	la de la compa Cu			10.2	Old worth Lawrence and force from the adjusted will adjust already in a few and a poly of the in Mantaux and Control Olive a country of the F100 ft is already as
Abies bracteata	bristlecone fir	1		1B.3	Old growth. Lower montane coniferous forest, broadleafed upland forest, chaparral, riparian woodland. Rocky sites in Monterey and San Luis Obispo counties. 591 to 5102 ft in elevation.
Agrostis blasdalei	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.
Agrostis hooveri Allium hickmanii	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. 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
	Hickman's onion			1B.2	ft in elevation. Blooms March-May.
Allium peninsulare var. franciscanum	Franciscan onion		<u> </u>	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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			isting Sta		
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Amsinckia lunaris	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
Arctostaphylos andersonii	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.
Arctostaphylos auriculata	Mt. Diablo manzanita			1B.3	Chaparral, cismontane woodland. In canyons and on slopes. On sandstone. 591 to 1854 ft in elevation. Blooms January-March.
Arctostaphylos cruzensis	Arroyo de la Cruz manzanita			1B.2	Broadleafed 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.
Arctostaphylos edmundsii	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).
Arctostaphylos glutinosa	Schreiber's manzanita			1B.2	Closed-cone coniferous forest, chaparral. Mudstone or diatomaceous shale outcrops; often with Pinus attenuata. 558 to 2247 ft in elevation. Blooms (November), March-April.
Arctostaphylos hookeri ssp. hookeri	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.
Arctostaphylos luciana	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.
Arctostaphylos manzanita ssp. laevigata	Contra Costa manzanita			1B.2	Chaparral. Rocky slopes. 492 to 2001 ft in elevation. Blooms January-March (April).
Arctostaphylos montaraensis	Montara manzanita			1B.2	Chaparral, coastal scrub. Slopes and ridges. 886 to 1509 ft in elevation. Blooms January-March.
Arctostaphylos montereyensis	Toro manzanita			1B.2	Chaparral, cismontane woodland, coastal scrub. Sandy soil, usually with chaparral associates. 246 to 2411 ft in elevation. Blooms February-March.
Arctostaphylos ohloneana	Ohlone manzanita			1B.1	Coastal scrub, closed cone coniferous forests. Monterey shale. 1476 to 1739 ft in elevation. Blooms February-March.
Arctostaphylos osoensis	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.
Arctostaphylos pajaroensis	Pajaro manzanita			1B.1	Chaparral. Sandy soils. 98 to 509 ft in elevation. Blooms December-March.
Arctostaphylos pechoensis	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.
Arctostaphylos pilosula	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.
Arctostaphylos pumila	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.
Arctostaphylos regismontana	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.
Arctostaphylos rudis	sand mesa manzanita			1B.2	Chaparral, coastal scrub. On sandy soils in Lompoc/Nipomo area. 66 to 1099 ft in elevation. Blooms November-February.
Arctostaphylos silvicola	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.
Arctostaphylos tomentosa ssp. daciticola	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.
Astragalus didymocarpus var. milesianus	Miles' milk-vetch			1B.2	Coastal scrub. Clay soils. 164 to 1263 ft in elevation. Blooms March-June.
Astragalus pycnostachyus var. pycnostachyus	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.
	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.
Atriplex coulteri	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.
Atriplex depressa	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.
Atriplex serenana var. davidsonii	Davidson's saltscale			1B.2	Coastal bluff scrub, coastal scrub. Alkaline soil. 33 to 656 ft in elevation. Blooms April-October.
Baccharis plummerae ssp. glabrata	San Simeon baccharis			1B.2	Coastal scrub. In open shrub-grassland associations. 295 to 1591 ft in elevation. Blooms June.
Balsamorhiza macrolepis	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
Blepharizonia plumosa	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.
Bryoria spiralifera	twisted horsehair lichen			1B.1	North coast coniferous forest. Usually on conifers. 0 to 98 ft in elevation.
Calochortus clavatus var. recurvifolius	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.
Calochortus fimbriatus	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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Table 1a Special-Sta	tus Piant Species Known c				in the Central California Coast Ecological Section (261A) within the Treatment Areas
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Calochortus obispoensis	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.
Calochortus pulchellus	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.
Calochortus simulans	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.
Calyptridium parryi var. hesseae	Santa Cruz Mountains pussypaws			1B.1	Chaparral, cismontane woodland. Sandy or gravelly openings. 984 to 5036 ft in elevation. Blooms May-August.
Camissoniopsis hardhamiae	Hardham's evening-primrose			1B.2	Limestone. Chaparral, cismontane woodland. Sandy, decomposed carbonate. 459 to 3100 ft in elevation. Blooms March-May.
Campanula californica	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.
Campanula exigua	chaparral harebell	1		1B.2	Rocky sites, usually on serpentine in chaparral. 902 to 4101 ft in elevation. Blooms May-June.
Carex comosa	bristly sedge	1		2B.1	Marshes and swamps, coastal prairie, valley and foothill grassland. Lake margins, wet places; site below sea level is on a Delta island16 to 5315 ft in elevation. Blooms May-September.
Carex obispoensis	San Luis Obispo sedge			1B.2	Closed-cone coniferous forest, chaparral, coastal prairie, coastal coastal prairie, coastal coast
Carex saliniformis	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).
Castilleja ambigua var. insalutata	pink Johnny-nip			1B.1	Coastal plume, Coastal prairie. 0 to 328 ft in elevation. Blooms May-August.
Castilleja densiflora var. obispoensis	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.
Castilleja rubicundula var. rubicundula	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.
Centromadia parryi ssp. congdonii	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).
Centromadia parryi ssp. parryi	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.
Chenopodium littoreum	coastal goosefoot			1B.2	Coastal dunes. 33 to 98 ft in elevation. Blooms April-August.
	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
Chorizanthe breweri	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.
Chorizanthe rectispina	straight-awned spineflower			1B.3	Cismontane woodland, coastal scrub. Often on granite in chaparral. 164 to 3412 ft in elevation. Blooms April-July.
Cicuta maculata var. bolanderi	Bolander's water-hemlock			2B.1	Marshes and swamps, fresh or brackish water. 0 to 656 ft in elevation. Blooms July-September.
	Franciscan thistle				Coastal bluff scrub, broadleaved upland forest, coastal scrub, coastal prairie. Sometimes serpentine seeps. 0 to 492 ft in elevation. Blooms March-July.
Circium andrewsii		1		1B.2	
Circium fontinale var. campylon	Mt. Hamilton fountain thistle	1		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.
Cirsium occidentale var. compactum	compact cobwebby thistle	1		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.
Cirsium occidentale var. lucianum Cladium californicum	Cuesta Ridge thistle	1		1B.2	Chaparral. Openings; on serpentinite. Often on steep rocky slopes and along disturbed roadsides. 1591 to 2510 ft in elevation. Blooms April-June.
Cladonia firma	California saw-grass	1		2B.2	Meadows and seeps, marshes and swamps (alkaline or freshwater)66 to 7005 ft in elevation. Blooms June-September.
	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.
Clarkia jolonensis	Jolon clarkia			1B.2	Cismontane woodland, chaparral, coastal scrub, riparian woodland. 33 to 4199 ft in elevation. Blooms April-June.
Collinsia multicolor	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.
Dacryophyllum falcifolium	tear drop moss			1B.3	North Coast coniferous forest. Limestone substrates and rock outcrops. 164 to 902 ft in elevation.
Delphinium californicum ssp. interius Delphinium hutchinsoniae	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.
<u>'</u>	Hutchinson's larkspur			1B.2	Broadleafed 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.
Delphinium parryi ssp. blochmaniae	dune larkspur		-	1B.2	Chaparral, coastal dunes (maritime). On rocky areas and dunes. 49 to 1230 ft in elevation. Blooms April-June.
Delphinium parryi ssp. eastwoodiae	Eastwood's larkspur		-	1B.2	Chaparral, valley and foothill grassland. Serpentine. Openings. 197 to 2100 ft in elevation. Blooms (February), March.
Delphinium umbraculorum	umbrella larkspur		-	1B.3	Cismontane woodland. Mesic sites. 1312 to 5249 ft in elevation. Blooms April-June.
Dirca occidentalis	western leatherwood			1B.2	Broadleafed 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).

Table 1a Special-Stat	tus Plant Species Known o	r with Do	ntential	to Occur	in the Central California Coast Ecological Section (261A) within the Treatment Areas
Table la Special-Stat	tus Flant Species Known o		isting Sta		In the Central Camornia Coast Ecological Section (2014) within the Treatment Areas
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Downingia pusilla	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.
Dudleya abramsii ssp. bettinae	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.
Dudleya abramsii ssp. murina	mouse-gray dudleya			1B.3	Chaparral, cismontane woodland, valley and foothill grassland. Serpentine outcrops. 82 to 1755 ft in elevation. Blooms May-June.
Dudleya blochmaniae ssp. blochmaniae	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.
Eriastrum ertterae	Lime Ridge eriastrum			1B.1	Chaparral. Openings or edges; alkaline or semi-alkaline, sandy. 656 to 951 ft in elevation. Blooms June-July.
Eriastrum luteum	yellow-flowered eriastrum			1B.2	Broadleafed upland forest, cismontane woodland, chaparral. On bare sandy decomposed granite slopes. 787 to 1903 ft in elevation. Blooms May-June.
Ericameria fasciculata	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.
Erigeron blochmaniae	Blochman's leafy daisy			1B.2	Coastal dunes, coastal scrub. Sand dunes and hills. 10 to 148 ft in elevation. Blooms June-August.
Eriogonum heermannii var. occidentale	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.
Eriogonum luteolum var. caninum	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.
Eriogonum nortonii	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).
	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.
Eriogonum truncatum	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).
Eryngium aristulatum var. hooveri	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).
Eryngium jepsonii	Jepson's coyote-thistle			1B.2	Vernal pools, valley and foothill grassland. Clay. 10 to 984 ft in elevation. Blooms April-August.
Erysimum ammophilum	sand-loving wallflower			1B.2	Chaparral (maritime), coastal dunes, coastal scrub. Sandy openings. 0 to 197 ft in elevation. Blooms February-June.
Extriplex joaquinana	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 Distichlis spicata, Frankenia, etc. 3 to 2740 ft in elevation. Blooms April-October.
Fissidens pauperculus	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.
Fritillaria biflora var. ineziana	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.
Fritillaria liliacea	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.
Fritillaria ojaiensis	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.
Fritillaria pluriflora	adobe-lily			1B.2	Chaparral, cismontane woodland, foothill grassland. Usually on clay soils; sometimes serpentine. 148 to 3100 ft in elevation. Blooms February-April.
Fritillaria viridea	San Benito fritillary			1B.2	Chaparral, cismontane woodland. Serpentine slopes. Sometimes on rocky streambanks. 1198 to 4462 ft in elevation. Blooms March-May.
Galium californicum ssp. luciense	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.
Galium clementis	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.
Galium hardhamiae	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.
Gilia millefoliata	dark-eyed gilia			1B.2	Coastal dunes. 3 to 197 ft in elevation. Blooms April-July.
Grimmia torenii	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.
Grimmia vaginulata	vaginulate grimmia			1B.1	Limestone. Chaparral. Openings; rocky, boulder and rock walls, carbonate. 2247 to 3724 ft in elevation.
Helianthella castanea	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.
Hemizonia congesta ssp. congesta	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.
Hesperevax sparsiflora var. brevifolia	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.
Hesperocyparis macrocarpa	Monterey cypress			1B.2	Closed-cone coniferous forest. Granitic soils. 33 to 66 ft in elevation.
Hesperolinon breweri	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.

Table 1a Chasiel Sta	tus Plant Chasins Known a	u with De	stantial	to Occur	in the Control Colifornia Coast Factorial Section (261A) within the Treatment Aveca
Table 1a Special-Sta	lus Piant Species Known o				in the Central California Coast Ecological Section (261A) within the Treatment Areas
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Heteranthera dubia	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.
Hoita strobilina	Loma Prieta hoita			1B.1	Chaparral, cismontane woodland, riparian woodland. Serpentine; mesic sites. 197 to 3199 ft in elevation. Blooms May-July (August),(October).
Horkelia cuneata var. puberula	mesa horkelia			1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 49 to 5397 ft in elevation. Blooms February-July (September).
Horkelia cuneata var. sericea	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.
Horkelia marinensis	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.
Hypogymnia schizidiata	island tube lichen			1B.3	Chaparral, closed-cone coniferous forest. On bark and wood of hardwoods and conifers. 1181 to 1329 ft in elevation.
Isocoma arguta	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.
Lasthenia californica ssp. bakeri	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.
Lasthenia californica ssp. macrantha	perennial goldfields			1B.2	Coastal bluff scrub, coastal dunes, coastal scrub. 16 to 607 ft in elevation. Blooms January-November.
Lasthenia glabrata ssp. coulteri	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.
Lathyrus jepsonii var. jepsonii	Delta tule pea			1B.2	Freshwater and brackish marshes. Often found with Typha, Aster lentus, Rosa californica, Juncus spp., Scirpus, etc. Usually on marsh and slough edges. 0 to 16 ft in elevation. Blooms May-July (August), (September).
Layia heterotricha	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.
Layia jonesii	Jones' layia			1B.2	Chaparral, valley and foothill grassland. Clay soils and serpentine outcrops. 16 to 1312 ft in elevation. Blooms March-May.
Legenere limosa	legenere			1B.1	In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
Leptosiphon rosaceus	rose leptosiphon			1B.1	Coastal bluff scrub. 33 to 459 ft in elevation. Blooms April-July.
Lessingia arachnoidea	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.
Lessingia micradenia var. glabrata	smooth lessingia			1B.2	Chaparral, cismontane woodland. Serpentine; often on roadsides. 394 to 1378 ft in elevation. Blooms (May),(June), July-November.
Lupinus ludovicianus	San Luis Obispo County Iupine			1B.2	Chaparral, cismontane woodland. Open areas in sandy soil, Santa Margarita formation. 279 to 1722 ft in elevation. Blooms April-July.
Madia radiata	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.
Malacothamnus aboriginum	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.
Malacothamnus arcuatus	arcuate bush-mallow			1B.2	Chaparral, cismontane woodland. Gravelly alluvium. 3 to 2411 ft in elevation. Blooms April-September.
Malacothamnus gracilis	slender bush-mallow			1B.1	Chaparral. Dry, rocky slopes. 623 to 1886 ft in elevation. Blooms May-October.
Malacothamnus hallii	Hall's bush-mallow			1B.2	Chaparral, coastal scrub. Some populations on serpentine. 33 to 2395 ft in elevation. Blooms May-September (October).
Malacothamnus palmeri var. involucratus	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.
Malacothamnus palmeri var. lucianus	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.
Malacothamnus palmeri var. palmeri	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.
Malacothrix saxatilis var. arachnoidea	Carmel Valley malacothrix			1B.2	Chaparral, coastal scrub. Rock outcrops or steep rocky roadcuts. 82 to 4003 ft in elevation. Blooms (March), June-December.
Meconella oregana	Oregon meconella			1B.1	Coastal prairie, coastal scrub. Open, moist places. 197 to 2100 ft in elevation. Blooms March-April.
Microseris paludosa	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).
Monardella palmeri	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.
Monardella sinuata ssp. nigrescens	northern curly-leaved monardella		İ	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).
Monardella sinuata ssp. sinuata	southern curly-leaved monardella			1B.2	Coastal dunes, coastal scrub, chaparral, cismontane woodlands. Sandy soils. 0 to 984 ft in elevation. Blooms April-September.
Monardella undulata ssp. crispa	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).
Monardella undulata ssp. undulata	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.
Monolopia gracilens	woodland woollythreads			1B.2	Chaparral, valley and foothill grassland, cismontane woodland, broadleafed 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.

Table 1a Special-Sta	tus Plant Species Known o	r with Po	otential	to Occur	in the Central California Coast Ecological Section (261A) within the Treatment Areas
			isting Sta		
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Navarretia gowenii	Lime Ridge navarretia			1B.1	Chaparral. On calcium carbonate-rich soil with high clay content. 591 to 1001 ft in elevation. Blooms May-June.
Navarretia leucocephala ssp. bakeri	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.
Navarretia nigelliformis 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.
Nemacaulis denudata var. denudata	coast woolly-heads			1B.2	Coastal dunes. 0 to 328 ft in elevation. Blooms April-September.
Orthotrichum kellmanii	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 Pinus attenuata. 1125 to 2247 ft in elevation. Blooms January-February.
Penstemon rattanii var. kleei	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.
Phacelia phacelioides	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.
Pinus radiata	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.
Piperia candida	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.
Plagiobothrys chorisianus var. chorisianus	Choris' popcornflower			1B.2	Chaparral, coastal scrub, coastal prairie. Mesic sites. 49 to 525 ft in elevation. Blooms March-June.
Plagiobothrys glaber	hairless popcornflower			1A	Vernal pools, seeps, marshes and swamps. Coastal salt marshes and alkaline meadows. 16 to 591 ft in elevation. Blooms March-May.
Plagiobothrys uncinatus	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.
Poa diaboli	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.
Polemonium carneum	Oregon polemonium			2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. 0 to 6004 ft in elevation. Blooms April-September.
Puccinellia simplex	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernally mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
Ramalina thrausta	angel's hair lichen			2B.1	North coast coniferous forest. On dead twigs and other lichens. 246 to 1411 ft in elevation.
Rosa pinetorum	pine rose			1B.2	Closed-cone coniferous forest, cismontane woodland. 16 to 3576 ft in elevation. Blooms May-July.
Scrophularia atrata	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.
Senecio aphanactis	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
Sidalcea hickmanii ssp. hickmanii	Hickman's checkerbloom			1B.3	Chaparral. Grassy openings in chaparral, and on dry ridges. 1099 to 3937 ft in elevation. Blooms May-July.
Silene scouleri ssp. scouleri	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).
Silene verecunda ssp. verecunda	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).
Spergularia macrotheca var. longistyla	long-styled sand-spurrey			1B.2	Marshes and swamps, meadows and seeps. Alkaline. 0 to 836 ft in elevation. Blooms February-May.
Stebbinsoseris decipiens	Santa Cruz microseris			1B.2	Broadleafed 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.
Streptanthus albidus ssp. peramoenus	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).
Streptanthus hispidus	Mt. Diablo jewelflower			1B.3	Valley and foothill grassland, chaparral. Talus or rocky outcrops. 804 to 3199 ft in elevation. Blooms March-June.
Stuckenia filiformis 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.
Sulcaria isidiifera	splitting yarn lichen			1B.1	Coastal scrub. On branches of oaks and shrubs in old growth coastal scrub. 66 to 180 ft in elevation.
Symphyotrichum lentum	Suisun Marsh aster			1B.2	Marshes and swamps (brackish and freshwater). Most often seen along sloughs with <i>Phragmites, Scirpus</i> , blackberry, <i>Typha</i> , etc. 0 to 98 ft in elevation. Blooms (April), May-November.
Tortula californica	California screw moss			1B.2	Chenopod scrub, valley and foothill grassland. Moss growing on sandy soil. 33 to 4790 ft in elevation.
Trifolium buckwestiorum	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.
Trifolium hydrophilum	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.
Triphysaria floribunda	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-St	atus Plant Species Known c	or with Po	otential	to Occur	in the Central California Coast Ecological Section (261A) within the Treatment Areas
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Triquetrella californica	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.
Triteleia ixioides ssp. cookii	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.
Tropidocarpum capparideum	caper-fruited tropidocarpum			1B.1	Valley and foothill grassland. Alkaline clay. 0 to 1181 ft in elevation. Blooms March-April.
Viburnum ellipticum	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.

Listing Status California Rare Plant Rank

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

T = Threatened 1B = Plants rare, threatened, or endangered in California and elsewhere R = Rare 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)

Table 1b Special-Stat	tus Wildlife Species Known o			ial to C	Occur in th	he Centr	ral Califor	nia Coast	Ecologica	al Sectio	on (261A)											
			ting atus								CWHR	Types withi	n the Tre	atable La	ndscape								
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians										,													
Federal and State Listed/CDFW Fully Pr	rotected																			_			
Ambystoma californiense	California tiger salamander ²	T	T	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	990,352
Ambystoma macrodactylum croceum	Santa Cruz long-toed salamander ²	E	E FP	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х		Х		Х	Х	108,222
Anaxyrus californicus	arroyo (=arroyo southwestern) toad ²	E	SC	Χ	Х	Х	Х		Х	Х			Х	Х	Х					Х	Х	Х	8,408
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,209,122
Rana draytonii	California red-legged frog ²	T	SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,321,057
CDFW Species of Special Concern						•		1		1	·	ľ		l.		•			•	•			
Aneides flavipunctatus niger	Santa Cruz black salamander		SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	361,187
Batrachoseps minor	lesser slender salamander		SC	Χ	Х	Х		Х	Х	Х			Х		Х						Х	Х	20,765
Dicamptodon ensatus	California giant salamander ²		SC	Χ	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Χ	Х	X	Х	Х		Х	Х	460,920
Spea hammondii	western spadefoot ²		SC	Χ	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	X	X				X	Х	223,005
Taricha rivularis	red-bellied newt ²		SC	Χ	Х		Х		Х	X	Χ	Х	Х	Χ	X	Χ	X		Χ		Χ	Χ	21,284
Taricha torosa	coast range newt ²		SC	Χ	Х	Х	Х	Х	Х	X		Х	X	Χ	X	X	X	X	Χ	X	X	Х	472,172
Birds																							
Federal and State Listed/CDFW Fully Pr	rotected	1	1			_	<u> </u>				T	I	1	T		1	I	1	1	1	ı		
Agelaius tricolor	tricolored blackbird		E SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	1,245,830
Antigone canadensis tabida	greater sandhill crane		T FP	Χ																			<1
Aquila chrysaetos	golden eagle		FP	Χ	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X	Х	Х	Х	1,321,334
Brachyramphus marmoratus	marbled murrelet	T	E	Χ				Х		Х		Х			X						X		<1
Buteo swainsoni	Swainson's hawk		T	Χ	Х	Х	Х		Х	Х		Х	Х	Х		X					Х	Х	39,474
Charadrius alexandrinus nivosus	western snowy plover	T	SC	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X	Х	654,467
Elanus leucurus	white-tailed kite		FP -	Х	Х	Х	Х	X	X	Х	Х	Х	Х	Х	X	X	Х	X	Х	Х	X	X	1,321,334
Empidonax traillii brewsteri	little willow flycatcher	_	E	X	X	X	X	X	X	Х	X	X	X	X	X	X	Х	X	X	X	X	X	974,194
Empidonax traillii extimus	southwestern willow flycatcher	E	E	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X	X	X	X	X	829,336
Falco peregrinus anatum Gymnogyps californianus	American peregrine falcon California condor	E	FP E	X	X	Х	X	Х	X	X	Х	Х	X	Х	Х	X	Х	Х	X	Х	X	X	1,321,334 4,540
Haliaeetus leucocephalus	bald eagle		FP E FP	Х	Х	Х	X	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	1,321,334
Laterallus jamaicensis coturniculus	California black rail ²		T	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х		Х		Х	Х	135,423
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,321,334

Table 1b Special-Sta	atus Wildlife Species Known o	r with	Poten	tial to (Occur in tl	he Centi	al Califor	nia Coast	: Ecologic	al Sectio	on (261A	.)											
			ting atus								CWHR	Types withi	n the Tre	eatable La	ndscape								
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Phoebastria albatrus	short-tailed albatross ²	Е	SC	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х		Х	Х	60,495
Rallus obsoletus obsoletus	California Ridgway's rail ²	E	E FP	Х	Х	Х	Х	Х	Х	Х		Х	Х		Х		Х				Х	Х	81,861
Riparia riparia	bank swallow		T	Х	Х		Х	Х	Х	Х		Х		Х	Х		Х		Х		Х		6,113
Sternula antillarum browni	California least tern ²	E	E FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	X	785,337
Synthliboramphus scrippsi	Scripps's murrelet ²	С	Т					Х		Х													<1
Vireo bellii pusillus	least Bell's vireo	E	E	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	X	Х	Х	X	Х	X	Х	874,721
CDFW Species of Special Concern				•			T		T		_	ı		•		1	T			ı	ı		
Ammodramus savannarum	grasshopper sparrow		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,052,975
Anser albifrons elgasi	tule greater white-fronted goose		SC	Х										Х									8
Asio flammeus	short-eared owl		SC	Х	Х		Х		Х	Х		Х	Х		Х		Х				Х	Х	866
Asio otus	long-eared owl		SC	X	X	Х	X	X	X	X	X	X	X	X	Х	X	Х	X	X	Х	X	X	961,051
Athene cunicularia	burrowing owl		SC	X	X	X	X	Х	X	X	Х	X	X	X	Х	X	Х	Х	X	Х	X	X	887,638
Aythya Americana Chaetura vauxi	redhead ² Vaux's swift		SC SC	X	X	X	X	X	X	X	Х	X	X	X	Х	X	Х	Х	V	Х	X	X	68,363 348,637
Charadrius montanus	mountain plover		SC	X	٨	^	٨	^	^	^	^	٨	٨	^	Λ	Λ	^	^	^	۸	X		340,03 <i>1</i>
Circus hudsonius	northern harrier		SC	X	Y	Х	Х	Y	X	Х	Х	Х	Х	Χ	Х	Х	Х	Х	X		X	X	1,075,704
Contopus cooperi	olive-sided flycatcher		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	Х	X	X	902,092
Coturnicops noveboracensis	yellow rail ²		SC	Х				X	X	X	X	Х	,			X	X			,	X		-
Cypseloides niger	black swift		SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	250,537
Geothlypis trichas sinuosa	San Francisco common yellowthroat ²		SC	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х		Х	Х	71,710
Icteria virens	yellow-breasted chat		SC	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х		Х		Х		X	Х	330,334
Ixobrychus exilis	least bittern ²		SC	Х			Х	Х	Х	Х		Х	Х		Х		Х				Х	Х	97,588
Lanius ludovicianus	loggerhead shrike		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	1,321,334
Melospiza melodia mailliardi	Modesto song sparrow		SC	Х	Х	Х	Χ		Х					X							X	X	<1
Oceanodroma homochroa	ashy storm-petrel ²		SC	Х				Х	Х	Х					Х						Х	<u> </u>	<1
Passerculus sandwichensis alaudinus	Bryant's savannah sparrow		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	X	X	967,709
Passerculus sandwichensis rostratus	large-billed savannah sparrow		SC	Х						Х											X		9
Pelecanus erythrorhynchos	American white pelican ²		SC	X	Х	Х	Х		Х	Х		Х	Х	Х		Х					Х	Х	68,363
Pooecetes gramineus affinis	Oregon vesper sparrow		SC	X	.,	.,				.,	.,	.,	.,	.,	.,		.,	.,		.,	.,	<u></u>	<1
Progne subis	purple martin		SC	X	Х	Х	X	X	X	X	Х	X	X	Х	Х	Х	Х	Х	X	Х	X	X	824,161
Ptychoramphus aleuticus	Cassin's auklet ²		SC	X	V	V	V	X	X	X	V	X	X	V	X	V	v	V	V	V	Х		<1
Setophaga petechia Strix occidentalis occidentalis	yellow warbler California spotted owl		SC SC	X	X	X	X	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	X	1,261,420 232,602
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	X	X	X	X	X	X	X		X	X	X	X	Х	X	Х	X	X	X	Х	+
Aanthocephalus xanthocephalus	yellow-fleaded blackblrd-		SC	λ	λ	X	Χ		Х	X		Х	X	Χ		X		1	1		X	X	68,363

Table 1b Special-Sta	atus Wildlife Species Known or	with I	Potent	ial to C	Occur in the	e Centra	al Califorr	nia Coast	Ecologica	al Sectio	on (261A))											
			ting atus								CWHR	Types within	the Tre	atable La	ndscape								
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Invertebrates			, ,																				
Federal and State Listed/CDFW Fully	Protected																						
Bombus crotchii	Crotch bumble bee ²		С	Χ	Χ	Х		Χ	Х	Χ	Χ			Х	Х	Х	Х		Х		Χ	Х	364,027
Bombus occidentalis occidentalis	western bumble bee ²		С	Χ	Х	Χ		Х	Х		Х			Х	Х	Х	Х	Х	Х		Х	Х	612.068
Branchinecta conservatio	conservancy fairy shrimp ²	Е		Χ	Х	Χ	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	306,355
Branchinecta lynchi	vernal pool fairy shrimp ²	T		Χ	Χ	Х	Χ	Х	Х	Χ		Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	836,434
Callophrys mossii bayensis	San Bruno elfin butterfly	E		Χ	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х		Х	Х	366,824
Cicindela ohlone	Ohlone tiger beetle	Е		Χ			Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х		Х		76,473
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	T		Х	Χ	Χ	Х		Х	Х		Х	Х	Х		Х					X	Х	54,813
Elaphrus viridis	Delta green ground beetle	T		X	X		Х		Х	Х		Х	Х	X		X					X	X	13,746
Euphilotes battoides allyni	El Segundo blue butterfly	E E		X				Х	Х	Х							Х				X		4,581
Euphilotes enoptes smithi	Smith's blue butterfly	E		X	χ	Χ	Υ	X	Х	Х		Х	Х	Х	Х	Х	Х	χ	Х	Х	X	Х	170,473
Euphydryas editha bayensis	Bay checkerspot butterfly	 T		X	X	Х	χ	X	Х	Х	Х	X	Х	X	X	X	Х	Х	X	Х	X	X	463,250
Helminthoglypta walkeriana	Morro shoulderband (=banded dune) snail	E		X	X	Λ	Λ	X	X	Х	Λ	X	Х	Λ	X		Х	Λ		,	X	, , , , , , , , , , , , , , , , , , ,	49,475
Icaricia icarioides missionensis	Mission blue butterfly	 E		X	X		Υ	X	X	X	Х	X	Х		X		Х		Х		X	Х	24,446
Lepidurus packardi	vernal pool tadpole shrimp ²	 E		X	Y	Χ	Y		Х	X	Λ	X	X	Х		Х	, , ,				X	X	34,137
Monadenia infumata setosa	Trinity bristle snail		т	X	X	Х	Y	X	X	Х	Χ	X	Х	Х	Х	X	Х	Y	Х	Х	X	X	1,321,182
Polyphylla barbata	Mount Hermon (=barbate) June beetle	E	'	Х	Λ		Y	X	X	Х	Х	X	X	Х	Х	^	Λ	X	X	Λ	X	Х	33,189
Speyeria callippe callippe	callippe silverspot butterfly	E		X	X	Χ	Λ V	X	X	Х	Х	X	X	Х	Х	Х	Х	У	X	Х	X	Х	901,400
Speyeria zerene myrtleae	Myrtle's silverspot butterfly	E		X	X	^	۸ ۷	X	X	X	Х	X	X	^	Х	^	Х	^	X	^	X	Х	24,446
· · ·	California freshwater shrimp ²	E	E		X	V	X	٨		1	٨	X		V	^	V	^		^			Х	47,162
Syncaris pacifica	'		Е	X	٨	Х	Λ	V	X	X	V		X	Х	V	X		V	V		X	Λ	
Trimerotropis infantilis Mammals	Zayante band-winged grasshopper	E		Х			Χ	Х	Х	Х	Х	Х	Х		Х	Х		Χ	Х		Х		98,482
Federal and State Listed/CDFW Fully	Protected														_	_	_						
Arctocephalus townsendi	Guadalupe fur-seal ²	Т	T FP	Χ				Х	Х	Х		Х	Х		Х						Х		<1
Bassariscus astutus	ringtail		FP	Χ	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	1,321,334
Dipodomys heermanni morroensis	Morro Bay kangaroo rat	E	E							Х													-
Microtus californicus scirpensis	Amargosa vole ²	 E	E	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х		Х	Х	491,076
Reithrodontomys raviventris	salt-marsh harvest mouse ²	E	E FP	Х	Х		Х	<u> </u>	X	X	-	Х	Х	X		Х					X	Х	36,666
Sorex ornatus relictus	Buena Vista Lake ornate shrew	E	SC	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	830,339
Sorex ornatus salarius	Monterey shrew		SC	Χ	Χ	Χ	Χ		Х	Х		Х	Х	Х		Х	Х				Χ	Х	-
Vulpes macrotis mutica	San Joaquin kit fox	E	T	Χ	Χ	Χ	Χ		Х	Х		Х	Х	Х	Х		Х				Х	Х	89,708
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Χ	Χ	Х	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,321,182

		List Sta	ting Itus								CWHR	Types withir	the Tre	atable La	ndscape								
Scientific Name	Common Name	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	Total Acreage of Associate CWHR Type within the Treatable Landscape
CDFW Species of Special Concern		_				1							1				1						
Antrozous pallidus	pallid bat		SC	Χ	Χ	X	Χ	Χ	Х	X	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	X	Х	X	1,321,334
Corynorhinus townsendii	Townsend's big-eared bat		SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,321,334
Eumops perotis californicus	western mastiff bat		SC	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Х	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	1,260,021
Lasiurus blossevillii	western red bat		SC	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	1,321,334
Microtus californicus sanpabloensis	San Pablo California vole ²		SC	Χ													Х				Х		-
Neotoma fuscipes annectens	San Francisco dusky-footed woodrat		SC	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	-
Nyctinomops macrotis	big free-tailed bat		SC	Χ	Χ		Χ	Х	Х	Х		Х			Х	Х							5,236
Perognathus inornatus psammophilus	Salinas pocket mouse		SC	Χ	Х				Х								Х						-
Sorex ornatus salarius	Monterey shrew		SC	Χ	Х		Х		Х	Х		Х	Х	Х		Х	Х				Х	Х	-
Sorex ornatus sinuosus	Suisun shrew ²		SC	Χ													Х						-
Sorex vagrans halicoetes	salt-marsh wandering shrew ²		SC	Χ	Х		Х		Х	Х				Х		Х	Х				Х		-
Taxidea taxus	American badger		SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,321,334
Zapus trinotatus orarius	Point Reyes jumping mouse ²		SC	Χ						Х							Х						-
Reptiles	1 3 1 3																						
Federal and State Listed/CDFW Fully I	Protected																						
Masticophis lateralis euryxanthus	Alameda whipsnake	Т	Т	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х			Х	I	Х	Х	175,380
Thamnophis gigas	giant garter snake ²	Т	Т	Χ																	Х		<1
Thamnophis sirtalis tetrataenia	San Francisco gartersnake	E	E FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	354,789
CDFW Species of Special Concern		<u>'</u>				II.									1		1	•					
Anniella sp.	California legless lizard		SC	Х	Χ	Х	X	Х	Х	X		Х	Х	Χ	Х	X	Х	X	Х	Х	Х	Х	728,306
Arizona elegans occidentalis	California glossy snake		SC	Χ	Х		Х		Х	Х		Х	Χ			Х	Х	Х	Х		Х		3,790
Emys marmorata	western pond turtle ²		SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,321,334
Masticophis flagellum ruddocki	San Joaquin coachwhip		SC	Χ	Х		Х		Х	Х	Х	Х	Х		Х	Х	Х	Х	Х		Х		3,750
Phrynosoma blainvillii	coast horned lizard		SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	977,263
Salvadora hexalepis virgultea	coast patch-nosed snake		SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х		Х		Х	Х	Х	Х	Х	Х	Х	65,790
Thamnophis hammondii	two-striped gartersnake ²		SC	Χ	Х	Х	χ	Х	Х	Х		Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	637,620

E = Endangered

SC = CDFW Species of Special Concern

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

T = Threatened

C = Candidate for listing

FP = Fully Protected

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type 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 2a Special-State	us Plant Species Known or	with Pote	ntial to	Occur in t	he Central California Coast Ranges Ecoregion (M262A) within the Treatable Landscape
rubic zu Speciai Stati	as riant species inform or	_	isting Stat		The central camerna Coast ranges 20010gron (m2027,) maint the restable 2011050ape
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Federal and State Listed					
Amsinckia grandiflora	large-flowered fiddleneck	E	Е	1B.1	Cismontane woodland, valley and foothill grassland. Annual grassland in various soils. 902 to 1804 ft in elevation. Blooms (March), April-May.
Camissonia benitensis	San Benito evening-primrose	Т		1B.1	Chaparral, cismontane woodland, valley and foothill grassland. On gravelly serpentine alluvial terraces. 1591 to 4708 ft in elevation. Blooms April-June.
Caulanthus californicus	California jewelflower	Е	Е	1B.1	Chenopod scrub, valley and foothill grassland, pinyon and juniper woodland. Sandy soils. 213 to 6102 ft in elevation. Blooms February-May.
Ceanothus ferrisiae	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.
Chlorogalum purpureum var. purpureum	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.
Chlorogalum purpureum var. reductum	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.
Chloropyron palmatum	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 Distichlis, Frankenia, etc. 16 to 509 ft in elevation. Blooms May-October.
Chorizanthe pungens var. pungens	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).
Deinandra bacigalupii	Livermore tarplant		E	1B.1	Alkaline meadows and seeps. 492 feet to 607 feet in elevation. Blooms June-October.
Dudleya abramsii ssp. setchellii	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.
Eremalche parryi ssp. kernensis	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.
Eriastrum tracyi	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.
Eriogonum butterworthianum	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
Monolopia congdonii	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.
Navarretia fossalis	spreading navarretia	Т		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.
Plagiobothrys diffusus	San Francisco popcornflower		Е	1B.1	Valley and foothill grassland, coastal prairie. Historically from grassy slopes with marine influence. 148 to 1181 ft in elevation. Blooms March-June.
Sanicula saxatilis	rock sanicle		R	1B.2	Broadleafed 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.
Streptanthus albidus ssp. albidus	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					
Abies bracteata	bristlecone fir			1B.3	Old growth. Lower montane coniferous forest, broadleafed upland forest, chaparral, riparian woodland. Rocky sites in Monterey and San Luis Obispo counties. 591 to 5102 ft in elevation. Bloom period unknown.
Acmispon rubriflorus	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.
Agrostis hooveri	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.
Allium howellii var. clokeyi	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.
Allium howellii var. sanbenitense	San Benito onion			1B.3	Chaparral, valley and foothill grassland. Openings. Clay, often steep slopes. 1280 to 4166 ft in elevation. Blooms April-June.
Allium sharsmithiae	Sharsmith's onion			1B.3	Cismontane woodland, chaparral. Rocky, serpentine slopes. 1591 to 3199 ft in elevation. Blooms March-May.
Amsinckia lunaris	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
Arctostaphylos auriculata	Mt. Diablo manzanita			1B.3	Chaparral, cismontane woodland. In canyons and on slopes. On sandstone. 591 to 1854 ft in elevation. Blooms January-March.
Arctostaphylos gabilanensis	Gabilan Mountains manzanita	1		1B.2	Chaparral, cismontane woodland. Grainitic substrates. 1394 to 2198 ft in elevation. Blooms January.
Arctostaphylos luciana	Santa Lucia manzanita	1		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.
Arctostaphylos manzanita ssp. laevigata	Contra Costa manzanita	1		1B.2	Chaparral. Rocky slopes. 492 to 2001 ft in elevation. Blooms January-March (April).
Arctostaphylos pajaroensis	Pajaro manzanita	1		1B.1	Chaparral. Sandy soils. 98 to 509 ft in elevation. Blooms December-March.
Arctostaphylos pilosula	Santa Margarita manzanita	1		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-State	us Plant Species Known or				he Central California Coast Ranges Ecoregion (M262A) within the Treatable Landscape
		L	isting Stat	tus	
Scientific Name	Common Name			California	Habitat Desription
Scientific Name	Common Name	Federal	State	Rare Plant Rank	Habitat Desription
				Nalik	
Aristocapsa insignis	Indian Valley spineflower			1B.2	Cismontane woodland. Sandy substrates. 591 to 3478 ft in elevation. Blooms May-September.
Astragalus didymocarpus var. milesianus	Miles' milk-vetch			1B.2	Coastal scrub. Clay soils. 164 to 1263 ft in elevation. Blooms March-June.
Astragalus rattanii var. jepsonianus	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.
Astragalus tener var. tener	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.
Atriplex cordulata var. cordulata	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.
Atriplex coronata var. vallicola	Lost Hills crownscale			1B.2	Chenopod scrub, valley and foothill grassland, vernal pools. In powdery, alkaline soils that are vernally moist with Frankenia, Atriplex spp. and Distichlis. 148 to 2904 ft in elevation. Blooms April-September.
Atriplex depressa	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.
Atriplex minuscula	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.
Balsamorhiza macrolepis	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
Blepharizonia plumosa	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.
Boechera rubicundula	Mt. Day rockcress			1B.1	Chaparral. Rocky slopes. 3937 to 3937 ft in elevation. Blooms April-May.
Calochortus palmeri var. palmeri	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernally moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
Calochortus pulchellus	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.
Calochortus simulans	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.
Calycadenia villosa	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.
Calyptridium parryi var. hesseae	Santa Cruz Mountains pussypaws			1B.1	Chaparral, cismontane woodland. Sandy or gravelly openings. 984 to 5036 ft in elevation. Blooms May-August.
Camissoniopsis hardhamiae	Hardham's evening-primrose			1B.2	Limestone. Chaparral, cismontane woodland. Sandy, decomposed carbonate. 459 to 3100 ft in elevation. Blooms March-May.
Campanula exigua	chaparral harebell			1B.2	Chaparral. Rocky sites, usually on serpentine in chaparral. 902 to 4101 ft in elevation. Blooms May-June.
Campanula sharsmithiae	Sharsmith's harebell			1B.2	Chaparral. Serpentine barrens. 1394 to 2805 ft in elevation. Blooms April-June.
Carex obispoensis	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.
Castilleja densiflora var. obispoensis	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.
Caulanthus lemmonii	Lemmon's jewelflower			1B.2	Pinyon and juniper woodland, valley and foothill grassland. 246 to 5200 ft in elevation. Blooms February-May.
Centromadia parryi ssp. congdonii	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).
Chlorogalum pomeridianum var. minus	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
Chloropyron molle ssp. hispidum	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 Distichlis. 3 to 509 ft in elevation. Blooms June-September.
Chorizanthe biloba var. immemora	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).
Chorizanthe blakleyi	Blakley's spineflower			1B.3	Chaparral, pinyon and juniper woodland. 1985 to 5003 ft in elevation. Blooms April-June.
Chorizanthe breweri	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.
Chorizanthe rectispina	straight-awned spineflower			1B.3	Chaparral, cismontane woodland, coastal scrub. Often on granite in chaparral. 164 to 3412 ft in elevation. Blooms April-July.
Cirsium fontinale var. campylon	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.
Cirsium occidentale var. lucianum	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.
Clarkia jolonensis	Jolon clarkia			1B.2	Cismontane woodland, chaparral, coastal scrub, riparian woodland. 33 to 4199 ft in elevation. Blooms April-June.
Collinsia antonina	San Antonio collinsia			1B.2	Chaparral, cismontane woodland. Shale substrates. 919 to 1198 ft in elevation. Blooms March-May.
Collinsia multicolor	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.
Deinandra bacigalupii	Livermore tarplant			1B.1	Meadows and seeps. Alkaline meadows. 509 to 656 ft in elevation. Blooms June-October.

Table 2a Special-Stat	us Plant Species Known or				he Central California Coast Ranges Ecoregion (M262A) within the Treatable Landscape
		L	isting Stat	tus	
Scientific Name	Common Name			California	Habitat Desription
		Federal	State	Rare Plant Rank	
Deinandra halliana	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.
Delphinium californicum ssp. interius	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-Junee.
Delphinium parryi ssp. eastwoodiae	Eastwood's larkspur			1B.2	Chaparral, valley and foothill grassland. Serpentine. Openings. 197 to 2100 ft in elevation. Blooms (February), March.
Delphinium recurvatum	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.
Delphinium umbraculorum	umbrella larkspur			1B.3	Cismontane woodland. Mesic sites. 1312 to 5249 ft in elevation. Blooms April-June.
Dudleya abramsii ssp. murina	mouse-gray dudleya			1B.3	Chaparral, cismontane woodland, valley and foothill grassland. Serpentine outcrops. 82 to 1755 ft in elevation. Blooms May-June.
Eriastrum luteum	yellow-flowered eriastrum			1B.2	Broadleafed upland forest, cismontane woodland, chaparral. On bare sandy decomposed granite slopes. 787 to 1903 ft in elevation. Blooms May-June.
Eriogonum eastwoodianum	Eastwood's buckwheat			1B.3	Cismontane woodland, valley and foothill grassland. Shale, including diatomaceous shale. 656 to 3281 ft in elevation. Blooms May-September.
Eriogonum heermannii var. occidentale	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.
Eriogonum nortonii	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).
Eriogonum temblorense	Temblor buckwheat			1B.2	Valley and foothill grassland. Barren clay or sandstone substrates. 984 to 3281 ft in elevation. Blooms (April), May-September.
Eriogonum truncatum	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).
Eryngium spinosepalum	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.
Erythranthe hardhamiae	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.
Eschscholzia lemmonii ssp. kernensis	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.
Eschscholzia rhombipetala	diamond-petaled California poppy			1B.1	Valley and foothill grassland. Alkaline, clay slopes and flats. 98 to 2051 ft in elevation. Blooms March-April.
Extriplex joaquinana	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 Distichlis spicata, Frankenia, etc. 3 to 2740 ft in elevation. Blooms April-October.
Fritillaria falcata	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.
Fritillaria liliacea	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.
Fritillaria ojaiensis	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.
Fritillaria viridea	San Benito fritillary			1B.2	Chaparral, cismontane woodland. Serpentine slopes. Sometimes on rocky streambanks. 1198 to 4462 ft in elevation. Blooms March-May.
Githopsis tenella	delicate bluecup			1B.3	Chaparral, cismontane woodland. Mesic sites. 3609 to 6234 ft in elevation. Blooms April-June.
Helianthella castanea	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
i lelia ittielia castallea	Diablo Helianti lelia			10.2	elevation. Blooms March-June.
Hesperolinon breweri	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.
Hoita strobilina	Loma Prieta hoita			1B.1	Chaparral, cismontane woodland, riparian woodland. Serpentine; mesic sites. 197 to 3199 ft in elevation. Blooms May-July (August), (October).
Horkelia cuneata var. puberula	mesa horkelia			1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 49 to 5397 ft in elevation. Blooms February-July (September).
Horkelia cuneata var. sericea	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.
Juncus luciensis	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.
Lagophylla diabolensis	Diablo Range hare-leaf			1B.2	Cismontane woodland, valley and foothill grassland. Clay. 1198 to 2904 ft in elevation. Blooms April-September.
Lasthenia glabrata ssp. coulteri	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.
Layia discoidea	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.
Layia heterotricha	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.
Layia munzii	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.
Legenere limosa	legenere			1B.1	Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
Lepidium jaredii 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.

Table 2a Special-State	us Plant Species Known or	with Pote	ntial to	Occur in t	he Central California Coast Ranges Ecoregion (M262A) within the Treatable Landscape
		L	isting Stat	tus	
Scientific Name	Common Name			California	Habitat Desription
Scientific Hame	Common reame	Federal	State	Rare Plant Rank	Tablat Scalpton
				Name	
Lepidium jaredii ssp. jaredii	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.
Leptosyne hamiltonii	Mt. Hamilton coreopsis			1B.2	Cismontane woodland. On steep shale talus with open southwestern exposure. 1739 to 4265 ft in elevation. Blooms March-May.
Lessingia micradenia var. glabrata	smooth lessingia			1B.2	Chaparral, cismontane woodland. Serpentine; often on roadsides. 394 to 1378 ft in elevation. Blooms (May),(June), July-November.
Lomatium observatorium	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.
Lupinus ludovicianus	San Luis Obispo County Iupine			1B.2	Chaparral, cismontane woodland. Open areas in sandy soil, Santa Margarita formation. 279 to 1722 ft in elevation. Blooms April-July.
Madia radiata	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.
Malacothamnus abbottii	Abbott's bush-mallow			1B.1	Riparian scrub. Among willows near rivers and along roadsides. 443 to 1608 ft in elevation. Blooms May-October.
Malacothamnus aboriginum	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.
Malacothamnus davidsonii	Davidson's bush-mallow			1B.2	Coastal scrub, riparian woodland, chaparral, cismontane woodland. Sandy washes. 492 to 5003 ft in elevation. Blooms June-January.
Malacothamnus gracilis	slender bush-mallow			1B.1	Chaparral. Dry, rocky slopes. 623 to 1886 ft in elevation. Blooms May-October.
Malacothamnus hallii	Hall's bush-mallow			1B.2	Chaparral, coastal scrub. Some populations on serpentine. 33 to 2395 ft in elevation. Blooms May-September (October).
Malacothamnus palmeri var. involucratus	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.
Malacothamnus palmeri var. palmeri	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.
Malacothrix saxatilis var. arachnoidea	Carmel Valley malacothrix			1B.2	Chaparral, coastal scrub. Rock outcrops or steep rocky roadcuts. 82 to 4003 ft in elevation. Blooms (March), June-December.
Meconella oregana	Oregon meconella			1B.1	Coastal prairie, coastal scrub. Open, moist places. 197 to 2100 ft in elevation. Blooms March-April.
Monardella palmeri	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.
Monardella sinuata ssp. sinuata	southern curly-leaved monardella			1B.2	Coastal dunes, coastal scrub, chaparral, cismontane woodlands. Sandy soils. 0 to 984 ft in elevation. Blooms April-September.
Monolopia gracilens	woodland woollythreads			1B.2	Chaparral, valley and foothill grassland, cismontane woodland, broadleafed 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.
Navarretia gowenii	Lime Ridge navarretia			1B.1	Chaparral. On calcium carbonate-rich soil with high clay content. 591 to 1001 ft in elevation. Blooms May-June.
Navarretia nigelliformis 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.
Navarretia prostrata	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.
Nemacladus secundiflorus var. robbinsii	Robbins' nemacladus			1B.2	Chaparral, valley and foothill grassland. Dry, sandy or gravelly slopes. 1148 to 5577 ft in elevation. Blooms April-June.
Pentachaeta exilis ssp. aeolica	San Benito pentachaeta			1B.2	Cismontane woodland, valley and foothill grassland. Grassy areas. 1198 to 2805 ft in elevation. Blooms March-May.
Phacelia phacelioides	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.
Plagiobothrys uncinatus	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.
Plagiobothrys verrucosus	warty popcornflower			2B.1	Chaparral. Shale substrate. 2198 to 2510 ft in elevation. Blooms April-May.
Puccinellia simplex	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernally mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
Senecio aphanactis	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
Sidalcea hickmanii ssp. hickmanii	Hickman's checkerbloom			1B.3	Chaparral. Grassy openings in chaparral, and on dry ridges. 1099 to 3937 ft in elevation. Blooms May-July.
Spergularia macrotheca var. longistyla	long-styled sand-spurrey			1B.2	Marshes and swamps, meadows and seeps. Alkaline. 0 to 836 ft in elevation. Blooms February-May.
Streptanthus albidus ssp. peramoenus	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).
Streptanthus callistus	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.
Streptanthus insignis ssp. lyonii	Arburua Ranch jewelflower			1B.2	Coastal scrub on serpentine slopes; also on non-serpentine. 755 to 2805 ft in elevation. Blooms March-May.
Stylocline citroleum	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.
Stylocline masonii	Mason's neststraw			1B.1	Desert wash. Chenopod scrub, pinyon and juniper woodland. Sandy washes. 328 to 3937 ft in elevation. Blooms March-May.
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Table 2a Special-Statu	us Plant Species Known or	with Pote	ential to	Occur in t	he Central California Coast Ranges Ecoregion (M262A) within the Treatable Landscape
		l	Listing Sta	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Trifolium buckwestiorum	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.
Triteleia ixioides ssp. cookii	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.
Tropidocarpum capparideum	caper-fruited tropidocarpum			1B.1	Valley and foothill grassland. Alkaline clay. 0 to 1181 ft in elevation. Blooms March-April.

Listing Status California Rare Plant Rank

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

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

R = Rare 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)

Table 2b Special	-Status Wildlife Specie			n or w	ith Poten	ntial to	Occur i	n the Ce	entral Ca	liforni	a Coast	Ranges	Ecolo	gical S	ection (M262A	a)												
			ting atus										CV	VHR Typ	es within	the Trea	table Lar	ndscape											
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																													
Federal and State Listed/CDFW F	ully Protected																												
Ambystoma californiense	California tiger salamander ²	T	Т	Χ	Х		Х	Х	Х	Χ	Χ	Х		Χ	Χ	Х	Х	Х	Х	Х	Х		Χ	Х	Χ	Χ	Χ	Χ	1,790,789
Ambystoma macrodactylum croceum	Santa Cruz long-toed salamander	Е	E FP		Х		Х	Х	Х	Х	Х	Х		Х		Х	Х	Х	Х		Х			Х			Х	Х	40,624
Anaxyrus californicus	Arroyo (=arroyo southwestern) toad	Е	SC	Х	Х		Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х		Х						Х	Х	Х	110,543
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Х		Х	Х	Х	Х	X	Х		Х	Χ	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,271,804
Rana draytonii	California red-legged frog ²	T	SC	Χ	Χ	Χ	Χ	X	X	Χ	Χ	X	Χ	Χ	Χ	X	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	1,951,923
CDFW Species of Special Concern	1																												
Ambystoma macrodactylum sigillatum	southern long-toed salamander ²		SC		Х			Х	Х		Х			Х				X									Х	ļ 	<1
Batrachoseps minor	lesser slender salamander		SC		Х		X	X			Χ	Х				Х											Χ	Χ	25,142
Dicamptodon ensatus	California giant salamander ²		SC		Х			X	Х		Χ	Χ		Χ		X		Χ									Χ	Χ	701
Spea hammondii	western spadefoot ²		SC	Х	Х	Χ	X	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х		Х		Χ	Χ	Χ	993,532
Taricha torosa	Coast Range newt		SC	Х	Х		Χ	X	Х	Х	Χ	X				Х		Χ			Χ					Χ	Χ	Χ	313,404
Birds																													
Federal and State Listed/CDFW F	ully Protected		1			ı	T	1	T	ı	Γ	T	1	1		ı	ı		T	ı		1	ı	1	_	ı			T
Agelaius tricolor	tricolored blackbird		E SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,985,255
Antigone canadensis tabida	greater sandhill crane		T FP	Х	Х	Х	Х	Х	Х			Х	Х		Χ	Х		X			Х							<u> </u>	19,253
Aquila chrysaetos	golden eagle		FP	Х	Х	Χ	X	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	1,985,255
Buteo swainsoni	Swainson's hawk		T	Χ	Х		Х	Х	Х			Х						Χ						<u> </u>			Χ	Χ	40,428
Charadrius nivosus nivosus	western snowy plover ²	T	_		Х		Х	Х	Х	Х	Χ	Х		Х		Х		Χ	Х					<u> </u>			Χ	Χ	17,824
Coccyzus americanus occidentalis	western yellow-billed cuckoo	T	Е	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Χ	Χ	1,258,807
Elanus leucurus	white-tailed kite		FP	X	X	Х	Х	Х	Х	X	X	X	Х	X	X	X	X	X	Х	X	Х	Х	X	X	X	X	Х	Х	1,985,255
Empidonax traillii brewsteri	little willow flycatcher	-	E	X	Х	<u> </u>	Х	Х	X	X	X	X		X	X	Х	X	X	Х	Х	Х		Х	X	X	X	X	X	1,476,376
Empidonax traillii extimus	southwestern willow flycatcher	E	E	X	X	X	X	Х	Х	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	Х	X	X	1,183,041
Falco peregrinus anatum Gymnogyps californianus	American peregrine falcon California condor	E	FP E	X	X	X	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X	X	X	1,985,255 256,252
Haliaeetus leucocephalus	bald eagle		FP E	X	X	X	Х	X	Х	Х	Х	Х	X	Х	X	Х	X	X	Х	Х	X	X	Х	Х	Х	Х	X	Х	1,985,255
Passerculus sandwichensis beldingi	3	+	FP E	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,985,255

Table 2b Special	-Status Wildlife Specie	es Kn	own	n or wi	th Poten	tial to	Occur i	n the Ce	ntral Ca	lifornia	a Coast	Ranges	Ecolo	gical Se	ection (M262A	N)												
,		List Sta	ing												es within			ndscape											
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Daliantila salifamina salifamina	coastal California gnatcatcher	T	cc												V	V			Σ			V							(2)
Polioptila californica californica	bank swallow	1	SC		Х		Х	Х	Х		Х	Х		Х	X	X		Х	X		Х	Х					Х	Х	62 14,449
Riparia riparia	Datik Swallow		E		Λ		^	^	^		۸	^		٨	۸	٨		Λ.	۸		^						٨	^	14,449
Sterna antillarum browni	California least tern ²	E	FP		Χ		Х	Х	Х		Χ	Х		Χ		Χ		Х	Χ		Χ		Х				Х	Х	312,035
Vireo bellii pusillus	least Bell's vireo	Е	E FP	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Х	Χ	Х		Х	Х	Х	Х	Х	1,215,926
CDFW Species of Special Concern	n																									•			
Ammodramus savannarum	grasshopper sparrow		SC	Χ	Х		Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	1,316,867
Asio flammeus	short-eared owl		SC	Χ	Χ		Х	Х	Х	Χ	Χ	Χ	Χ		Χ	Χ		Χ	Χ		Χ				Χ		Х	Χ	153,694
Asio otus	long-eared owl		SC	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	1,985,255
Athene cunicularia	burrowing owl		SC	Χ	Χ	Χ	X	X	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	X	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	1,940,995
Aythya Americana	redhead ²		SC		Χ																								<1
Charadrius montanus	mountain plover		SC	Χ	Χ	Χ	Х	Х	X			Χ	Χ		Χ	Χ		Χ	Χ		Χ				Х	Х	Х	Х	99,246
Chlidonias niger	black tern ²		SC	Χ	Χ																								<1
Circus hudsonius	northern harrier		SC	Χ	Χ	Χ	Х	X	Х		Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ				Х	Х	Х	Χ	315,079
Contopus cooperi	olive-sided flycatcher		SC	Χ	Χ		Х	Х	X	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	X	Χ	Χ	Х	Χ	569,561
Coturnicops noveboracensis	yellow rail ²		SC		Χ		Х																						-
Grus canadensis canadensis	lesser sandhill crane		SC	Χ	Χ		Х	Х	X			Χ	Χ		Χ	Χ		Χ									Х	Χ	9,471
Icteria virens	yellow-breasted chat		SC	Χ	Χ		Х	Х	Х	Х	Χ	Χ		Χ	Χ	Χ	X	Χ	Χ	Χ	Χ		Χ	Χ		Х	Х	Х	887,325
Ixobrychus exilis	least bittern ²		SC		Χ																						Х	<u> </u>	14
Lanius Iudovicianus	loggerhead shrike		SC	Х	Χ	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	X	X	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Х	1,985,255
	Modesto song sparrow		SC		Χ																						Х	<u> </u>	<1
Passerculus sandwichensis alaudinus	Bryant's savannah sparrow		SC		Х		Х	Х	Х		Χ	Х		Χ		Χ		Х			Χ				Х	Х		Х	8
Pelecanus erythrohynchos	American white pelican ²		SC		Х																								<1
Pooecetes gramineus affinis	Oregon vesper sparrow		SC	Χ	Х	Χ	Х	Х	Х	Х	Χ	Х	Χ		Χ	Χ	Х	Χ	Χ	Χ	Χ	X	Х	Χ	Х	Х	Х	Х	753,351
Progne subis	purple martin		SC	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ			Χ	Χ		Χ	Χ		Χ	Χ				Χ	Χ	Χ	479,535
Pyrocephalus rubinus	vermilion flycatcher		SC		Χ																								20
Setophaga petechia	yellow warbler		SC	Х	Χ	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Х	Х	Х	Х	1,985,255
Strix occidentalis occidentalis	California spotted owl		SC		Χ		Х	Х	Х		Χ	Χ			Χ	Χ		Х	Χ		Х	Х	Х	Χ	Х	Х		Х	143,260
Toxostoma lecontei macmillanorum	San Joaquin Le Conte's thrasher		SC	Х	Х							Х	Х		Χ	Χ											Х	Х	3,541
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Х	Χ		Χ					Χ							•										<1

Table 2b Special	-Status Wildlife Specie	es Kı	nowi	n or wi	th Poten	ntial to	Occur i	n the Ce	ntral Ca	liforni	a Coast	Ranges	Ecolo	gical Se	ection (M262A	\)												
			ting atus										CV	VHR Typ	es within	the Trea	table Laı	ndscape											
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Invertebrates																													
Federal and State Listed/CDFW F	· •			1 1		T	Т	Т	T	T	1	Т	T	1		ı	T	T	T		T			T	T				
Bombus crotchii	Crotch bumble bee ²		С		Х		Х	Х		Х	Х	Х						Х	X	Х	Х		Х	Х		Х	Х	Χ	1,544,107
Bombus occidentalis occidentalis	western bumble bee ²	<u> </u>	С		X		Х	X		Х	Х							Х	Х	Х	Х		Х	Х		Х	Х	Х	1,079,307
Branchinecta conservatio	conservancy fairy shrimp ²	E		X	X		X	X	X	X	Х	X	X	Х	X	X	Х	Х	X	Х	X	Х		Х	Х	Х	X	Χ	1,032,566
Branchinecta longiantenna	longhorn fairy shrimp ²	E		X	X	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	X	X	X			X	X		X	X		Х	X		X						Х		57,110
Branchinecta lynchi	vernal pool fairy shrimp ²			Х	X	Х	X	X	X	Х	X	X	Х	X	Х	X	X	X	Х	Х	Х	Х		Х	Х	Х	X	X	1,630,252
Callophrys mossii bayensis	San Bruno elfin butterfly	E		Х	Х		Х	Х	Х		Х	Х		Х		Х		Х									Х	Х	128,860
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	T		Х	Χ		Х	Х	X		Х	Х				Х		Х							Х		Х	Χ	173,344
Euphydryas editha bayensis	Bay checkerspot butterfly	T		Х	Χ		Х	Х	Х	Χ	Х	Х		Х	Χ	Х	Х	Х	Χ		X		Х			Х	Χ	Χ	671,579
Euproserpinus euterpe	Kern primrose sphinx moth	T		Χ	Χ		Χ				Х	Χ	Х		Χ	Х					Χ	Х			Χ		Χ	<u> </u>	14,707
Helminthoglypta walkeriana	Morro shoulderband (=banded dune) snail	Е		Х	Χ	Х	Х	Х	Х		Х	Х	Х		Χ	Х		Х	Х		Х						Χ	Χ	34,415
Lepidurus packardi	vernal pool tadpole shrimp ²	Е		Χ	Χ		Х	Х	Х		Χ	Х		Χ		Х		Х									Χ	Χ	118,615
Monadenia infumata setosa	Trinity bristle snail		T	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Χ	1,985,255
Speyeria callippe callippe	callippe silverspot butterfly	Е		Χ	Χ	Χ	X	Х	X	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	X	Х	Х	Χ	Х		Χ	Χ	Х	Χ	Χ	1,183,577
Mammals																													
Federal and State Listed/CDFW F	ully Protected																												
Ammospermophilus nelsoni	Nelson's antelope squirrel		T	Χ	Χ	Χ	Х	X	X		Х	Х	Х		Χ	Х	Х	Х	Х	Χ	X	Х			Χ	Х	Χ	Χ	220,487
Bassariscus astutus	ringtail		FP	Χ	Χ	Х	X	X	X	Χ	Х	Х	Х	Χ	Χ	Х	Х	X	Χ	Х	X	Х	Χ	Х	Х	Х	Χ	Χ	1,962,829
Dipodomys ingens	giant kangaroo rat	E	Е	Χ	Х	Х	Х	Х	Х		Х	Х	Х		Χ	Х	Х	Х	Х	Х	Х	Х			Χ	Х	Χ	Χ	343,604
Dipodomys nitratoides exilis	Fresno kangaroo rat	E	E	Х	Χ		Х	Х	X	Х		Χ			Χ	Х		Х			Х				Х		Χ	Χ	26,982
Dipodomys nitratoides nitratoides		E	E	Х	Х		Х		Х			Х	Х		Х	Х					Х						Х	<u> </u>	24,363
Microtus californicus scirpensis	Amargosa vole	E	E	Х	X	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х		Х	Х	.	Х	Х	Х		Х	Х	Χ	Χ	801,267
Ovis canadensis nelsoni	desert bighorn sheep		FP		Х		Х		Х			Х	Х		Х	Х	Х			Х								 	8,354
Reithrodontomys raviventris	salt-marsh harvest mouse ²	E	FP FP		Χ		Х																					ļ	<1
Sorex ornatus relictus	Buena Vista Lake ornate shrew	E	SC	Χ	Χ	Х	X	Х	X	Х	Х	Х	Х	Χ	Χ	X	Х	Х	X	Х	Х	Х		Х	Х	Х	Χ	Χ	1,188,807
Sylvilagus bachmani riparius	riparian brush rabbit	E	E		Х																							ļ	7
Vulpes macrotis mutica	San Joaquin kit fox	E	T	Х	Χ	Х	Х	X	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Χ	Χ	838,858
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,985,255
CDFW Species of Special Concern				,, 1	.,	1		1 ,,				.,	1		.,			.,			.,				1 .,				100=0==
Antrozous pallidus	pallid bat		SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	1,985,255
Corynorhinus townsendii	Townsend's big-eared bat		SC	+ +	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	1,985,255
Dipodomys nitratoides brevinasus	short-nosed kangaroo rat		SC	Х	Х								Х				<u> </u>				X			<u> </u>				<u> </u>	-

Common Name Page	Table 2b Special	-Status Wildlife Specie			or wi	th Poter	itial to	Occur i	n the Ce	ntral Ca	liforni	a Coast	Ranges																	
Common Name Fig.														CW	/HR Type	es within	the Treat	table Lar	ndscape											
Europe perods californicus Western metalificity Sc. X			Federal		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	Acreage of Associated CWHR Types within
Author A	<u> </u>																													-
Neotoma hoscipes ammeteres Sen Francisco dusky-footed wood at wood	Eumops perotis californicus						- '`							-																
Nectornal macroits luciana Nontherly dusky-footed SC N	Lasiurus blossevillii			SC	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	1,985,255
Petrona Mararosis luciana Woodraf St. St	Neotoma fuscipes annectens			SC				Х	Х	Х		Х	Х		Χ		Х		Х						Х			Χ	Х	-
Pergnathus inomatus Salinas pocket mouse SC SC SC SC SC SC SC S	Neotoma macrotis luciana	, ,		SC				Х	Х	Х		Х	Х				Χ	X	Х		Х							Χ		-
Pasimos philus Sc Sc Sc Sc Sc Sc Sc S	Onychomys torridus tularensis	Tulare grasshopper mouse		SC	Χ	Х								Χ								Х								-
Federal and State Listed/CDFW Fully Protected Gambelia sila blunt-nosed leopard lizard E F. F. F. P. X X X X X X X X X		Salinas pocket mouse		SC																										-
Federal and State Listed/CDFW Fully Protected Taxidea taxus	American badger		SC	Χ	Х	Χ	Х	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	1,985,255	
Cambelia sila Sampelia sila Blunt-nosed leopard lizard E FP X X X X X X X X X	Reptiles			,																										
Masticophis lateralis euryxanthus Alameda striped racer T T X Z28,824 Thamnophis gigas giant garter snake² T T T X	Federal and State Listed/CDFW I	Fully Protected																												
Thamnophis gigas giant garter snake ² T T X X X X X X X X	Gambelia sila	blunt-nosed leopard lizard	E	E FP	Х	Х	Х	Х	Х	Х		Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х			Х	Х	Х	Х	245,843
Thamnophis sirtalis tetrataenia	Masticophis lateralis euryxanthus	Alameda striped racer	Т	Т		Х		Х	Х	Х		Х	Х		Χ		Χ		Χ									Χ	Х	228,824
CDFW Species of Special Concern	Thamnophis gigas	giant garter snake ²	Т	T		Χ		Х																						<1
Anniella sp. California legless lizard SC X	Thamnophis sirtalis tetrataenia	San Francisco garter snake	Е	E FP																								Х		<1
Arizona elegans occidentalis California glossy snake SC X <	CDFW Species of Special Concer	n			•		•			•	•	•									,		•		•					
Emys marmorata western pond turtle² SC X	Anniella sp.	California legless lizard		SC	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Х	1,985,113
Masticophis flagellum ruddocki San Joaquin coachwhip SC X X X X X X X X X X X X X X X X X X	Arizona elegans occidentalis	California glossy snake		SC	Χ	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ		Χ	Χ	Χ	Χ	Х	Χ	Χ	Х			Χ	Χ	Χ	Х	967,803
	Emys marmorata	western pond turtle ²		SC	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	1,985,255
Phrynosoma blainvillii coast horned lizard SC X X X X X X X X X X X X X X X X X X	Masticophis flagellum ruddocki	San Joaquin coachwhip		SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	1,478,048
	Phrynosoma blainvillii	coast horned lizard		SC	Χ	Х	X	Х	X	X	Х	Х	X	Х	Х	Х	X	Х	X	X	Х	X	Х	Х	Х	Х	Х	X	Х	1,985,255
Salvadora hexalepis virgultea coast patch-nosed snake SC X X X X X X X X X X X X X X X X X X	Salvadora hexalepis virgultea	coast patch-nosed snake			X	Х	Х	Х	X	X		Х	Х	Х		Х	X	Х	X	X	Х	X	Х			Х	Х	X	Х	239,730
Thamnophis hammondii two-striped garter snake ² SC X X X X X X X X X X X X X X X X X X	Thamnophis hammondii	two-striped garter snake ²		SC	Χ	X		Х	X	Х	X	Х	Х		Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Х		Х	Χ	Χ	Χ	Χ	1,220,040

E = Endangered

T = Threatened

C = Candidate for listing

FP = Fully Protected

SC = CDFW Species of Special Concern

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

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the treatable acreage of potential habitat 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 3a Special-Sta	atus Plant Species Known or with P				olorado Desert Ecological Section (322C) within the Treatment Areas
Scientific Name	Common Name	Li Federal	sting Sta	California Rare Plant Rank	Habitat Desription
Federal and State Listed					
Astragalus lentiginosus var. coachellae		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.
Astragalus tricarinatus	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.
Dodecahema leptoceras	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					
Abronia villosa var. aurita	chaparral sand-verbena			1B.1	Chaparral, coastal scrub, desert dunes. Sandy areas. 246 to 5249 ft in elevation. Blooms January-September.
Acmispon haydonii	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.
Astragalus insularis var. harwoodii	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.
Astragalus sabulonum	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.
Atriplex parishii	Parish's brittlescale			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.
Ayenia compacta	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.
Bursera microphylla	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.
Chaenactis carphoclinia var. peirsonii	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.
Chorizanthe parryi var. parryi	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.
Chorizanthe xanti var. leucotheca	white-bracted spineflower			1B.2	Sonoran desert scrub. Open rocky or sandy sites. 10 to 607 ft in elevation. Blooms March-April.
Cryptantha ganderi	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.
Cylindropuntia fosbergii	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.
Eriastrum harwoodii	Harwood's eriastrum			1B.2	Sonoran desert scrub, desert dunes. On dunes and in washes. 509 to 1017 ft in elevation. Blooms February-May.
Euphorbia arizonica	Arizona spurge			2B.3	Sonoran desert scrub. 279 to 2789 ft in elevation. Blooms March-May.
Euphorbia misera	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.
Imperata brevifolia	California satintail			2B.1	Desert dunes. 246 to 2362 ft in elevation. Blooms March-June.
Lepidium flavum var. felipense	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.
Leptosiphon floribundus ssp. hallii	Santa Rosa Mountains leptosiphon			1B.3	Sonoran desert scrub. Sandy soils. 492 to 2953 ft in elevation. Blooms March-April.
Linanthus maculatus ssp. emaculatus	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).
Linanthus maculatus ssp. maculatus	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.
Lupinus albifrons var. medius	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.
Lycium parishii	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).
Malperia tenuis	brown turbans			2B.3	Desert dunes, Sonoran desert scrub. Sandy or course, 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),
Matelea parvifolia	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.
Mentzelia hirsutissima	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.
Mentzelia tricuspis	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.
Nemacaulis denudata var. gracilis	slender cottonheads			2B.2	Coastal scrub, Sonoran desert scrub. 443 to 3281 ft in elevation. Blooms March-April.
Penstemon pseudospectabilis ssp. pseudospectabilis	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).
Petalonyx linearis	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 F	otential t	o Occu	r in the Co	lorado Desert Ecological Section (322C) within the Treatment Areas
		Li	isting Sta	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Pholistoma auritum var. arizonicum	Arizona pholistoma			2B.3	Mojavean desert scrub. Sandy or gravelly slopes and washes. 492 to 4199 ft in elevation. Blooms March-May.
Pseudorontium cyathiferum	Deep Canyon snapdragon			2B.3	Coastal dunes, desert dunes, Sonoran desert scrub. In dunes or sand164 to 1312 ft in elevation. Blooms (March), April-May.
Saltugilia latimeri	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.
Selaginella eremophila	desert spike-moss			2B.2	Mojavean desert scrub, Sonoran desert scrub. Sandy or rocky canyons82 to 3658 ft in elevation. Blooms (January), (February), March-May (June), (July), (August), (September), (October), (November), (December).
Spermolepis infernensis	Hellhole scaleseed			1B.2	Mojavean desert scrub. 902 to 2740 ft in elevation. Blooms March.
Wislizenia refracta ssp. palmeri	Palmer's jackass clover			2B.2	Sonoran desert scrub. Rocky sites. 0 to 2625 ft in elevation. Blooms February-April.
Xylorhiza cognata	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.
Xylorhiza orcuttii	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)

Table 3b Special-Status Wildlife Sp	ecies Known or with Potential to Occu	r in the	Colorado	Desert F	cological	Section (322C)									
Tuble 35 Special Status Whalle 35	lectes known or with roteritian to occu		Status	Descre E	cological	Jeenon (R Types wi	thin the Tr	eatable L	andscape					
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																
Federal and State Listed/CDFW Fully Protected				Ī	_	,					T	•	ı		ı	
Batrachoseps major aridus	desert slender salamander	E	E					Χ								20
Rana draytonii	California red-legged frog ²	T	SC	Х	Х	Х	Х	X	X		Х		X			8,998
Rana muscosa	southern mountain yellow-legged frog ²	E	E		Х	Х	Х	Х	ļ.,		Х	Х	Х			<1
CDFW Species of Special Concern				Ī	_	,					T	•	ı		ı	
Scaphiopus couchii	Couch's spadefoot ²		SC	Х	Х			Х								1,118
Spea hammondii	western spadefoot ²		SC		Х		Х	Х								1,413
Birds																
Federal and State Listed/CDFW Fully Protected			_	T	<u> </u>	ı				1	ı				ı	1
Aquila chrysaetos	golden eagle		FP	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	25,179
Elanus leucurus	white-tailed kite		FP	Х	Х	Х	Х	Х			Х	Х	X			11,324
Empidonax traillii extimus	southwestern willow flycatcher	E	E	Х	Х	Х	Х	Х	Х		Х	Х	Х			19,022
Falco peregrinus anatum	American peregrine falcon		FP	Х	Х	Х	Х	Х			Х	X	Х			11,324
Haliaeetus laucocephalus	bald eagle		E FP		Х	Х	Х	Х								<1
Laterallus jamaicensis coturniculus	California black rail ²		T FP	Х	Х			Х					Х			-
Passerculus sandwichensis beldingi	Belding's savannah sparrow		Е	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,179
Pelecanus occidentalis californicus	California brown pelican ²		FP	Х	Х	Х	Х	Х			Х	Х	Х			11,324
Vireo bellii pusillus	least Bell's vireo	Е	Е	Χ	Х	Х	Х	Х	X		Х	Х	X			12,644
CDFW Species of Special Concern																
Accipiter gentilis	northern goshawk		SC					Χ		Х				Х	Χ	296
Asio otus	long-eared owl		SC	Х	Х	Х	Х	Х	X	Х	Х	Х	X	Х	Χ	15,337
Athene cunicularia	burrowing owl		SC	Х	Х	Х	Х	Х			Х	Х	X			15,473
Charadrius montanus	mountain plover		SC	Х	Х		Х	Χ								328
Circis cyaneus	northern harrier		SC	Х	Х	Х	Х	Χ	Χ	X	Х	Χ	Χ	Х	Χ	25,1779
Contopus cooperi	olive-sided flycatcher		SC		Х	Х	Х	X								<1
Cypseloides niger	black swift		SC	Х	Х		Х	X			Х	X				2,486
Icteria virens	yellow-breasted chat		SC	Х	Х	Х	Х	Х	Х		Х	Х	Х			9,329
Lanius Iudovivianus	loggerhead shrike		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	25,179
Pelecanus erythrorhynchos	American white pelican ²		SC	Х	Х		Х	Х								3,354
Pooecetes gramineus affinis	Oregon vesper sparrow		SC	Х	Х		Х	Х						Х		5,523
Piranga rubra	summer tanager		SC		Х	Х	Х	Х			Х		Х			1,730
Progne subis	purple martin		SC		Х	Х	Х	Х								<1
Setophaga petechia	yellow warbler		SC	Х	Х	Х	Х	Х			Х		Х			1,414

Table 3b Special-Status Wildlife Sp	ecies Known or with Potential to Occu	r in tha	Colorada	Docort F	cological	Soction (32267									
Special-Status Wildlife Sp			Status	Desert E	cological	Section (R Types wi	thin the Tr	eatable I	andscape					
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Toxostoma crissale	Crissal thrasher		SC	Х	Х	Х	Х	Х	Х		Х	Х	Х			16,696
Toxostoma lecontei	Le Conte's thrasher		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,179
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Х	Х	Х	Х	Х			Х	Х	Х			11,314
Invertebrates									•			1				
Federal and State Listed/CDFW Fully Protected																
Bombus crotchii	Crotch bumble bee ²		С		Х		Х					Х	Х			3,360
Dinacoma caseyi	Casey's June beetle	Е			Х			Х								68
Euphydryas editha quino	quino checkerspot butterfly	Е						Х								593
Monadenia infumata setosa	Trinity bristle snail		Т	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	25,179
Mammals																
Federal and State Listed/CDFW Fully Protected																
Bassariscus astutus	ringtail		FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,179
Dipodomys stephensi	Stephens' kangaroo rat	Е	Т		Х		Х	Х								<1
Ovis canadensis nelsoni	desert bighorn sheep		FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,141
Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	Е	T FP	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	20,901
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,179
CDFW Species of Special Concern			'							•	!					
Antrozous pallidus	pallid bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,179
Chaetodipus fallax pallidus	pallid San Diego pocket mouse		SC	Х	Х			Х	Х	Х				Х	Х	-
Corynorhinus townsendii	Townsend's big-eared bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	25,179
Euderma maculatum	spotted bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,179
Eumops perotis californicus	western mastiff bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,179
Glaucomys sabrinus californicus	San Bernardino flying squirrel		SC		Х			Х								47
Lasiurus xanthinus	western yellow bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,179
Lepus californicus bennettii	San Diego black-tailed jackrabbit		SC	Х	Х	Х	Х	Х	Х		Х				Χ	-
Macrotus californicus	California leaf-nosed bat		SC	Х	Х		Х	Х	Х							15,098
Neotoma lepida intermedia	San Diego desert woodrat		SC		Х	Х	Х	Х								<1
Nyctinomops femorosaccus	pocketed free-tailed bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	25,179
Perognathus longimembris bangsi	Palm Springs pocket mouse		SC	Х				Х							Х	-
Sigmodon hispidus eremicus	Yuma hispid cotton rat		SC		Х			Х								-
Taxidea taxus	American badger		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	25,179
Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel		SC	Х				Х	Х							-

Table 3b Special-Status Wildlife Sp	ecies Known or with Potential to Occu	r in the	Colorado	Desert E	cological	Section (322C)									
·			Status					Types wit	hin the Tr	eatable L	andscape					
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Reptiles																
Federal and State Listed/CDFW Fully Protected	T	1	T _	T	l	1	l	l	l	1		T	1	1		
Coleonyx switaki	barefoot gecko		Ţ		Х		Х	Х	Х							755
Gopherus agassizii	desert tortoise	T	T	Х	Х	Х	Х	Х			Х	Х	Х			11,324
Uma inornate	Coachella Valley fringe-toed lizard	T	E	Х	Х	Х	Χ	Χ			Χ	Х	Х			11,269
CDFW Species of Special Concern																
Anniella sp.	California legless lizard		SC	Х	Х	Х	Χ	X	Χ	Χ	Χ	Х	Χ			9,468
Aspidoscelis tigris stejnegeri	coastal whiptail		SC	Х	Х		Χ	Χ	Χ							9,145
Crotalus ruber	red-diamond rattlesnake		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	21,089
Emys marmorata	western pond turtle ²		SC	Х	Х	Х	Х	Х			Χ	Х	Х			6,909
Phrynosoma blainvillii	coast horned lizard		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х			1,124
Phrynosoma mcallii	flat-tailed horned lizard		SC	Х	Х		Х	Х	Х		Х					17,608
Salvadora hexalepis virgultea	coast patch-nosed snake		SC		Х	Х	Х	Х								213
Thamnophis hammondii	two-striped gartersnake ²		SC	Х	Х	Х	Χ	Χ	Х	Х	Χ	Х	Х	Х	Χ	21,145
Uma notata	Colorado Desert fringe-toed lizard		SC	Х	Х		Х	Х	Х		_			Х		8,708

E = Endangered

T = Threatened

C = Candidate for listing

FP = Fully Protected

SC = CDFW Species of Special Concern

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

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 4a Special-Sta	tus Plant Species Known or	with Pote	ntial to	Occur in t	he Great Valley Ecological Section (262A) within the Treatable Landscape
		L	isting Sta	tus	
Scientific Name	Common Name			California	Habitat Baraintan
Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
				Rank	
Federal and State Listed		•			
Arctostaphylos myrtifolia	Ione manzanita	Т		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.
Brodiaea insignis	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.
Castilleja campestris var. succulenta	succulent owl's-clover	Т	E	1B.2	Vernal pools, often in acidic soils. 66 to 2313 ft in elevation. Blooms (March), April-May.
Caulanthus californicus	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.
Eremalche parryi ssp. kernensis	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-
Eremaiche parryi ssp. kemensis	Remindiow			10.2	May.
Eriogonum apricum var. apricum	Ione buckwheat	E	E	1B.1	lone formation. Chaparral. In gravelly openings on lone formation soil. 279 to 492 ft in elevation. Blooms July-October.
Eriogonum apricum var. prostratum	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.
Euphorbia hooveri	Hoover's spurge	T		1B.2	Vernal pools on volcanic mudflow or clay substrate. 82 to 427 ft in elevation. Blooms July-September (October).
Fritillaria striata	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.
Gratiola heterosepala	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.
Limnanthes floccosa ssp. californica	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.
Monolopia congdonii	San Joaquin woollythreads	Е		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.
Neostapfia colusana	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.
Opuntia basilaris var. treleasei	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.
Orcuttia inaequalis	San Joaquin Valley Orcutt grass	T	E	1B.1	Vernal pools. 33 to 2477 ft in elevation. Blooms April-September.
Orcuttia pilosa	hairy Orcutt grass	Е	E	1B.1	Vernal pools. 148 to 656 ft in elevation. Blooms May-September.
Orcuttia tenuis	slender Orcutt grass	Т	Е	1B.1	Vernal pools. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
Orcuttia viscida	Sacramento Orcutt grass	Е	Е	1B.1	Vernal pools. 49 to 279 ft in elevation. Blooms April-July (September).
Pseudobahia bahiifolia	Hartweg's golden sunburst	Е	Е	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.
Pseudobahia peirsonii	San Joaquin adobe sunburst	Т	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.
Sidalcea keckii	Keck's checkerbloom	Е		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).
Trifolium amoenum	two-fork clover	Е		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.
Tuctoria greenei	Greene's tuctoria	Е	R	1B,1	Vernal pools in open grasslands. 82 to 4347 ft in elevation. Blooms May-July (September).
California Rare Plant Ranked					the first of first and the first of the firs
Allium howellii var. sanbenitense	San Benito onion	Τ		1B.3	Chaparral, valley and foothill grassland. Openings. Clay, often steep slopes. 1280 to 4166 ft in elevation. Blooms April-June.
Astragalus tener var. tener	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.
Atriplex cordulata var. cordulata	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.
Atriplex coronata var. vallicola	Lost Hills crownscale			1B.2	Chenopod scrub, valley and foothill grassland, vernal pools. In powdery, alkaline soils that are vernally moist with Frankenia, Atriplex spp. and Distichlis. 148 to 2904 ft in elevation. Blooms April-September.
					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
Atriplex depressa	brittlescale			1B.2	elevation. Blooms April-October.
Balsamorhiza macrolepis	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
Blepharizonia plumosa	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.
Calochortus palmeri var. palmeri	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernally moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
Calochortus striatus	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-Stat	us Plant Species Known or v	with Pote	ntial to	Occur in t	he Great Valley Ecological Section (262A) within the Treatable Landscape
		L	isting Sta	tus	
Colorell Ca Name	C N			California	
Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
				Rank	
Calycadenia hooveri	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.
Castilleja rubicundula var. rubicundula	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.
Caulanthus lemmonii	Lemmon's jewelflower			1B.2	Pinyon and juniper woodland, valley and foothill grassland. 246 to 5200 ft in elevation. Blooms February-May.
Cicuta maculata var. bolanderi	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.
Clarkia rostrata	beaked clarkia			1B.3	Marshes and swamps, fresh or brackish water. 0 to 656 ft in elevation. Blooms July-September.
Clarkia tembloriensis ssp. calientensis	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.
Cryptantha crinita	silky cryptantha			1B.2	Valley and foothill grassland. North-facing slopes with Isomeris, other Clarkia spp. 886 to 1099 ft in elevation. Blooms April.
Cryptantha hooveri	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.
Cryptantha mariposae	Mariposa cryptantha			1B.3	Valley and foothill grassland, inland dunes. In coarse sand. 30 to 492 ft in elevation. Blooms April-May.
Cuscuta obtusiflora var. glandulosa	Peruvian dodder			2B.2	Marshes and swamps (freshwater). Freshwater marsh. 49 to 919 ft in elevation. Blooms July-October.
Deinandra halliana	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.
Delphinium recurvatum	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.
Diplacus pictus	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.
Downingia pusilla	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.
Eriogonum temblorense	Temblor buckwheat			1B.2	Valley and foothill grassland. Barren clay or sandstone substrates. 984 to 3281 ft in elevation. Blooms (April), May-September.
Eryngium pinnatisectum	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.
Eryngium spinosepalum	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.
Erythranthe marmorata	Stanislaus monkeyflower			1B.1	Cismontane woodland, lower montane coniferous forest. 328 to 2953 ft in elevation. Blooms March-May.
Eschscholzia lemmonii ssp. kernensis	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.
Eschscholzia rhombipetala	diamond-petaled California poppy			1B.1	Valley and foothill grassland. Alkaline, clay slopes and flats. 98 to 2051 ft in elevation. Blooms March-April.
Euphorbia ocellata ssp. rattanii	Stony Creek spurge			1B.2	Valley and foothill grassland, chaparral. Sandy or rocky soils. 279 to 2625 ft in elevation. Blooms May-October.
Extriplex joaquinana	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 Distichlis spicata, Frankenia, etc. 3 to 2740 ft in elevation. Blooms April-October.
Fritillaria pluriflora	adobe-lily			1B.2	Chaparral, cismontane woodland, foothill grassland. Usually on clay soils; sometimes serpentine. 148 to 3100 ft in elevation. Blooms February-April.
Helianthus winteri	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.
Hesperolinon breweri	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.
Hibiscus lasiocarpos var. occidentalis	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.
Horkelia parryi	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.
Isocoma arguta	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.
Juncus leiospermus var. ahartii	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.
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush			1B.1	Chaparral, valley and foothill grassland, cismontane woodland, vernal pools, meadows and seeps. Vernally mesic sites. Sometimes on edges of vernal pools. 98 to 3363 ft in elevation. Blooms March-June.
Lagophylla dichotoma	forked hare-leaf			1B.1	Cismontane woodland, valley and foothill grassland. Sometimes clay. 623 to 1099 ft in elevation. Blooms April-May.
Lasthenia glabrata ssp. coulteri	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.
Lathyrus jepsonii var. jepsonii	Delta tule pea			1B.2	Freshwater and brackish marshes. Often found with Typha, Aster lentus, Rosa californica, Juncus spp., Scirpus, etc. Usually on marsh and slough edges. 0 to 16 ft in elevation. Blooms May-July (August), (September).
Layia heterotricha	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.
Layia leucopappa	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.
Layia munzii	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-Stat	us Plant Species Known or v	with Pote	ential to	Occur in t	he Great Valley Ecological Section (262A) within the Treatable Landscape
		L	Listing Sta	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Legenere limosa	legenere				Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
Lepidium jaredii 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.
Leptosiphon serrulatus	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.
Madia radiata	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.
Monardella leucocephala	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.
Navarretia leucocephala 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.
Navarretia myersii ssp. myersii	pincushion navarretia			1B.1	Vernal pools. Clay soils within non-native grassland. 148 to 328 ft in elevation. Blooms April-May.
Navarretia nigelliformis 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.
Navarretia paradoxiclara	Patterson's navarretia			1B.3	Meadows and seeps. Serpentinite, openings, vernally mesic, often drainages. 492 to 1411 ft in elevation. Blooms May-June (July).
Navarretia setiloba	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.
Paronychia ahartii	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.
Potamogeton zosteriformis	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
Puccinellia simplex	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernally mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
Sagittaria sanfordii	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).
Senecio aphanactis	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
Spergularia macrotheca var. longistyla	long-styled sand-spurrey			1B.2	Marshes and swamps, meadows and seeps. Alkaline. 0 to 836 ft in elevation. Blooms February-May.
Stuckenia filiformis 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.
Stylocline citroleum	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.
Symphyotrichum lentum	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.
Tortula californica	California screw moss			1B.2	Chenopod scrub, valley and foothill grassland. Moss growing on sandy soil. 33 to 4790 ft in elevation. Blooms .
Trifolium hydrophilum	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.
Trifolium jokerstii	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.
Tropidocarpum capparideum	caper-fruited tropidocarpum			1B.1	Valley and foothill grassland. Alkaline clay. 0 to 1181 ft in elevation. Blooms March-April.

Listing Status California Rare Plant Rank

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

T = Threatened 1B = Plants rare, threatened, or endangered in California and elsewhere R = Rare

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

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 4b Special-Stat	us Wildlife Species Known or wit	th Pote	ntial to	o Occur i	n the Gre	at Valley	⁄ Ecologi	cal Section	(262A)												
		Listing	Status		ı	1		1	ı	CWHR	Types with	in the Trea	table La	ndscape	T		l .	1		ı	
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians								•													
Federal and State Listed/CDFW Fully Pr	otected																				
Ambystoma californiense	California tiger salamander ²	T	T	Х	Х	Х	Х	Х	Х	Х	Х		Χ	Х	Х	Х	Х		Х	Х	313,417
Batrachoseps simatus	Kern Canyon slender salamander		T		Х																2,928
Batrachoseps stebbinsi	Tehachapi Slender Salamander		T		Х	Х	Х						Х						Х	Х	<1
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х		Х	Х	Х	106,228
Rana draytonii	California red-legged frog ²	Т	SC		Х	Х	Х	Х	Х	Х	Х		Х	Χ	Х	Х			Х	Х	143,927
Rana muscosa	southern mountain yellow-legged frog ²	Е	E		Х	Х													Х		<1
CDFW Species of Special Concern		•				•		•		•						•			•		•
Batrachoseps stebbinsi	Tehachapi slender salamander		SC		Х	Х	Х						Х	Х					Х	Х	<1
Spea hammondii	western spadefoot ²		SC	Х	Х	Х	Х	Х	Х	Х	Х		Χ	Х	Х	Х	Х		Х	Х	596,528
Birds																					
Federal and State Listed/CDFW Fully Pr	otected																				
Agelaius tricolor	tricolored blackbird		E SC	X	X	Х	X	Х	X	Х	Х	X	Х	X	Х	Х	Х	Х	Х	Х	605,440
Aquila chrysaetos	golden eagle		FP	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	605,440
Antigone canadensis tabida	greater sandhill crane		T FP	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	576,347
Buteo swainsoni	Swainson's hawk		T	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	535,349
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Т	E		Х	Х					Х								Х		13,583
Elanus leucurus	white-tailed kite		FP	Х	Х	Х	X	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	605,440
Empidonax traillii brewsteri	little willow flycatcher		E	Χ	Х	Х	Х	Х	Х	Х	Х		Х	Χ	Х	Х	Х		Х	Х	471,545
Empidonax traillii extimus	southwestern willow flycatcher	Е	Е	Χ	Х	Х	Х			Х			Х		Х			Х	Х		40,417
Falco peregrinus anatum	American peregrine falcon		FP	Χ	Х	Х	Х	Х	Х	X	Χ	X	Χ	Χ	X	X	Χ	Х	Х	Х	605,440
Gymnogyps californianus	California condor	E	E FP	X	Х	Х	Х						Х	Х	Х			Х	Х	Х	59,357
Haliaeetus leucocephalus	bald eagle		E FP	X	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	X	Х	Х	605,440
Laterallus jamaicensis coturniculus	California black rail ²		T FP		Х	Х				Х				Х		Х			Х		-
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	605,440
Riparia riparia	bank swallow		T		Х	Х	Х			Х	Х		Х	Χ					Х	Х	28,619
Sterna antillarum browni	California least tern ²	Е	E FP		Х				Х	Х	Х			Х					Х		515
Vireo bellii pusillus	least Bell's vireo	E	Е		Х	1				Х						1					2,508

Scientific Name Common Name C	X X X X X X	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹ 504,859 26 83,470 1,614 605,438
CDFW Species of Special Concern Ammodramus savannarum grasshopper sparrow SC X <	X X X X	of Associated CWHR Types within the Treatable Landscape ¹ 504,859 26 83,470 1,614 605,438
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	26 83,470 1,614 605,438
Anser albifrons elgasi Tule greater white-fronted goose SC X X X X X X X X X X X X X X X X X X X	X X X	26 83,470 1,614 605,438
Asio flammeus short-eared owl SC X X X X X X X Asio otus long-eared owl SC X <t< td=""><td>X</td><td>83,470 1,614 605,438</td></t<>	X	83,470 1,614 605,438
Asio otus long-eared owl SC X	X	1,614 605,438
Athene cunicularia burrowing owl SC X X X X X X X X X X X X X X X X X X	X	605,438
Aythya Americana redhead ² SC X X X X X X X X X X X X X X X X X X	- '	-
	X	CE CO.4
Charadrius alexandrines snowy plover ² SC X X X		65,604
		16,598
Charadrius montanus mountain plover SC X X X X X X X X X X X X X X X X X X	X	59,929
Chlidonias niger black tem ² SC X X X X X X X X X X X X X X X X X X	Х	44,563
Circus hudsonius northern harrier SC X X X X X X X X X X X X X X X X X X	Х	602,571
Contopus cooperi olive-sided flycatcher SC X		<1
Coturnicops noveboracensis yellow rail ² SC X X X		-
Cypseloides niger black swift SC X		392
Grus canadensis canadensis lesser sandhill crane SC X X X	Х	230
Histrionicus histrionicus harlequin duck ² SC X		1
Icteria virens yellow-breasted chat SC X X X X X X X X X X X X X X X X X X	Х	139,732
Lanius ludovicianus loggerhead shrike SC X X X X X X X X X X X X X X X X X X	Х	605,440
Melospiza melodia mailliardi Modesto song sparrow SC X X X X X X X X X X X X X X X X X X	Х	290,758
Melospiza melodia maxillaris Suisun song sparrow SC X		<1
Pelecanus erythrorhynchos American white pelican ² SC X X X X X X X X X X X X X X X X X X	Х	358,596
Pooecetes gramineus affinis Oregon vesper sparrow SC X X X X X X X X X X X X X X X X X X	Х	278,923
Setophaga petechia yellow warbler SC X X X X X X X X X X X X X X X X X X	Х	82,720
Strix occidentalis occidentalis California spotted owl SC X X X X X X X X X X X X X X X X X X		19,824
Toxostoma lecontei Le Conte's thrasher (San Joaquin population) SC X X X		31,507
Xanthocephalus xanthocephalus yellow-headed blackbird ² SC X X X X X X X X X X X X X X X X X X	Х	605,437
Invertebrates		
Federal and State Listed/CDFW Fully Protected		
Bombus crotchii Crotch bumble bee ² C X X X X X X X X X X X X X X X X X X	Х	497,990
Bombus occidentalis occidentalis western bumble bee ² C X X X X X X X X X X X X X X X X X X	Х	554,631
Branchinecta conservatio conservancy fairy shrimp ² E X X X X X X X X X X X X X X X X X X	Х	250,171
Branchinecta longiantenna longhorn fairy shrimp ² E X X X		4,536
Branchinecta lynchi vernal pool fairy shrimp² T X X X X X X X X X X X X X X X X X X	Х	577,465
Callophrys mossii bayensis San Bruno elfin butterfly E X X X X X X X X X X X X		8,880

Table 4b Special-Statu	us Wildlife Species Known or wi	th Pote	ential <u>to</u>	o Oc <u>cur i</u>	in th <u>e Gre</u>	at Valley	Eco <u>logi</u>	cal S <u>ectior</u>	n (262A)												
•			Status					_	, ,	CWHR	Types with	in the Trea	table La	ndscape					_		
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	Т		Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х		Х	Х	404,455
Elaphrus viridis	Delta green ground beetle	T			Х				Х	Х	Х			Х					Х		346
Euproserpinus euterpe	Kern primrose sphinx moth	Т		Χ	Х																101
Helminthoglypta walkeriana	Morro shoulderband (=banded dune) snail	Е		Χ	Х																357
Lepidurus packardi	vernal pool tadpole shrimp ²	E		Χ	Х	Х	Х	Х	Х	Х	Х		Х	Х	Χ	Х			Х	Х	363,886
Monadenia infumata setosa	Trinity bristle snail		T	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	605,440
Speyeria callippe callippe	callippe silverspot butterfly	Е			Х				Х	Х	Х			Х					Х		534
Syncaris pacifica	California freshwater shrimp ²	Е	Е		Х	Х	Х	Х	Х	Х	Х			Х	Х				Х	Х	4,208
Mammals																					
Federal and State Listed/CDFW Fully Pro	otected																				
Ammospermophilus nelsoni	Nelson's antelope squirrel		Т	Х	Х	Х				Х		Х	Х	Х		Х		Х	Х	Х	99,679
Bassariscus astutus	ringtail		FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	493,021
Dipodomys ingens	giant kangaroo rat	Е	Е	Х	Х	Х				Х		Х	Х	Х		Х		Х	Х	Х	97,726
Dipodomys nitratoides exilis	Fresno kangaroo rat	Е	Е	Χ	Х	Х				Х			Х	Х		Х			Х	Х	37,078
Dipodomys nitratoides nitratoides	Tipton kangaroo rat	E	Е	Χ	Х	Х	Х						Х	Х	Χ			Х	Х	Х	90,797
Microtus californicus scirpensis	Amargosa vole	E	E	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	604,237
Neotoma fuscipes riparia	riparian woodrat (=San Joaquin Valley)	Е	SC		Х																31
Reithrodontomys raviventris	salt-marsh harvest mouse ²	Е	E FP		Х				Х	Х	Х			Х					Х		413
Sorex ornatus relictus	Buena Vista Lake ornate shrew	E	SC	Χ	Х	Χ				X		X									54,560
Sylvilagus bachmani riparius	riparian brush rabbit	E	E		Х														Х		1,424
Vulpes macrotis mutica	San Joaquin kit fox	E	T	Χ	Х	Χ	Х	Х	Х	X	Χ	Χ	Х	Х	Χ	Х	X	Х	Х	Х	205,901
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Χ	Х	Χ	Х	Х	Х	X	Χ	X	Х	Χ	Χ	Х	Х	Х	Х	Х	605,439
CDFW Species of Special Concern																					
Antrozous pallidus	pallid bat		SC	Χ	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Х	Х	Х	Х	Х	605,440
Corynorhinus townsendii	Townsend's big-eared bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	605,440
Dipodomys nitratoides brevinasus	short-nosed kangaroo rat		SC	Χ	Х											Х					-
Euderma maculatum	spotted bat		SC		Χ	Χ	Х	Х		Χ	Χ		Х	Χ	Χ			Х	Х	Х	83,417
Eumops perotis californicus	western mastiff bat		SC	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	532,807
Lasiurus blossevillii	western red bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	605,440
Onychomys torridus tularensis	Tulare grasshopper mouse		SC	Х	Х																-
Perognathus alticola inexpectatus	Tehachapi pocket mouse		SC		Х								Х	Х				Х		Х	271
Sorex ornatus sinuosus	Suisun shrew ²		SC		Х											Х			Х		-
Taxidea taxus	American badger		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	605,440

Table 4b Special-St	atus Wildlife Species Known or	with Pot	ential t	o Occur	in the Gre	eat Valle	/ Ecologi	cal Sectior	ı (262A)												
			g Status						,	CWHR	Types with	nin the Trea	atable La	andscape		,				_	
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Reptiles																					
Federal and State Listed/CDFW Fully	Protected	1	Ι _	1	1	T	T	T	1	1	T	T		T	I	T	1	T	T	1	
Gambelia sila	blunt-nosed leopard lizard	E	FP	Х	Х	Х	Х			Х		Х	Х	Х		Х		Х	Х	Х	144,411
Masticophis lateralis euryxanthus	Alameda whipsnake	T	Т	Х	Х				Х	Х	Х			Х					Х		6,780
Thamnophis gigas	giant gartersnake ²	T	T	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х		Х		Х	Х	343,676
CDFW Species of Special Concern	•																				
Anniella sp.	California legless lizard		SC	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	406,811
Arizona elegans occidentalis	California glossy snake		SC	Х	Х	Х	Х			Х		Х	Х	Х				Х	Х	Х	138,982
Emys marmorata	western pond turtle ²		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	605,440
Masticophis flagellum ruddocki	San Joaquin coachwhip		SC	Х	Х	Х	Х			Х		Χ	Х	Х	Χ	Х		Х	Х	Х	158,112
Phrynosoma blainvillii	coast horned lizard		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	605,440
Salvadora hexalepis virgultea	coast patch-nosed snake		SC	Х	Х	Х															20
Thamnophis hammondii	two-striped gartersnake ²		SC	Х	Х	Х				Х		Х		Х				Х	Х	Х	6
Xantusia vigilis sierrae	Sierra night lizard		SC		Х																6,145

E = Endangered

T = Threatened

C = Candidate for listing

FP = Fully Protected

SC = CDFW Species of Special Concern

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

¹ Total acreage of potential habitat within the treatable landscape was determined by summing the acres of each CWHR type within the treatable acreage of potential habitat 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.

Table 5a Special-Sta	itus Plant Species Known or w	vith Poter	ntial to (Occur in t	he Klamath Mountains Ecological Section (M261A) within the Treatable Landscape
		L	isting Sta	tus	
Scientific Name	Common Name	1	-	California	Habitat Desription
		Federal	State	Rare Plant Rank	
Federal and State Listed					
Arabis mcdonaldiana	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.
Brodiaea rosea	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.
Calamagrostis foliosa	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.
Calochortus persistens	Siskiyou mariposa-lily		R	1B.2	Lower montane coniferous forest, North Coast coniferous forest. On dry shallow soils of metavolcanic origin. 4298 to 5692 ft in elevation. Blooms June-July.
Eriastrum tracyi	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.
Eriogonum alpinum	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.
Phlox hirsuta	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					
Abies amabilis	Pacific silver fir			2B.3	Old growth. Upper montane coniferous forest. 5577 to 7201 ft in elevation.
Ageratina shastensis	Shasta ageratina			1B.2	Chaparral, lower montane coniferous forest. Rocky, sometimes limestone. 1312 to 5906 ft in elevation. Blooms June-October.
Anisocarpus scabridus	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).
Arabis rigidissima var. rigidissima	Trinity Mountains rockcress			1B.3	Upper montane coniferous forest. Open, rocky places. 4150 to 6808 ft in elevation. Blooms June-August.
Arctostaphylos klamathensis	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.
Asarum marmoratum	marbled wild-ginger			2B.3	Lower montane coniferous forest. Understory of coniferous forests. 1591 to 5348 ft in elevation. Blooms April-August.
Astragalus umbraticus	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.
Balsamorhiza lanata	woolly balsamroot			1B.2	Cismontane woodland. Open woods, grassy slopes. Volcanic substrates. 2625 to 6217 ft in elevation. Blooms April-June.
Balsamorhiza sericea	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).
Boechera koehleri	Koehler's stipitate rockcress			1B.3	Chaparral, lower montane coniferous forest. Rocky, serpentine substrate. 591 to 5971 ft in elevation. Blooms (March), April-July.
Boechera serpenticola	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.
Botrychium crenulatum	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.
Botrychium minganense	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.
Botrychium montanum	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.
Botrychium pinnatum	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.
Botrypus virginianus	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.
Brasenia schreberi	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.
Brodiaea matsonii	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.
Calicium adspersum	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.
Calochortus greenei	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.
Calochortus monanthus	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.
Calochortus syntrophus	Callahan's mariposa-lily			1B.1	Cismontane woodland, valley and foothill grassland. In vernally mesic areas. 1411 to 4003 ft in elevation. Blooms May-June.
Campanula shetleri	Castle Crags harebell			1B.3	Lower montane coniferous forest. In protected rock crevices in granite. 4003 to 6004 ft in elevation. Blooms June-September.
Carex comosa	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 island16 to 5315 ft in elevation. Blooms May-September.
Carex halliana	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.
Carex hystericina	porcupine sedge		1	2B.1	Marshes and swamps. Wet places, such as stream edges. 1985 to 3150 ft in elevation. Blooms May-June.
Curex Hystericina	porcupine seuge	1		۲۵.۱	Imaisinos ana swamps. Met piaces, suci na sucam cages. 1907 to 5170 to 5170 to 11 in cievation, profile.

Table 5a Special-Stat	us Plant Species Known or w	vith Poter	ntial to (Occur in the	ne Klamath Mountains Ecological Section (M261A) within the Treatable Landscape
		L	isting Sta	tus	
Caiantifia Nama	Common Nama			California	Habitat Description
Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
				Rank	
Carex lasiocarpa	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.
Carex leptalea	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.
Carex serpenticola	serpentine sedge			2B.3	Meadows and seeps. Mesic, serpentine sites. 66 to 5610 ft in elevation. Blooms March-May.
Carex viridula ssp. viridula	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).
Castilleja elata	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.
Chaenactis suffrutescens	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.
Clarkia borealis ssp. arida	Shasta clarkia			1B.1	Cismontane woodland, lower montane coniferous forest. Openings. 1394 to 1952 ft in elevation. Blooms June-August.
Clarkia borealis ssp. borealis	northern clarkia			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Often seen in roadcuts. 1132 to 5052 ft in elevation. Blooms June-September.
Cryptantha crinita	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.
Cuscuta jepsonii	Jepson's dodder			1B.2	North coast coniferous forest. Streamsides. 397 to 9006 ft in elevation. Blooms July-September.
Draba carnosula	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.
Drosera anglica	English sundew			2B.3	Bogs and fens, meadows. 4265 to 6562 ft in elevation. Blooms June-September.
Epilobium oreganum	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.
Epilobium siskiyouense	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.
Erigeron bloomeri var. nudatus	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.
Eriogonum pendulum	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.
Eriogonum umbellatum var. glaberrimum	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.
Eriogonum umbellatum var. lautum	Scott Valley buckwheat			1B.1	Cismontane woodland, lower montane coniferous forest. Sandy to gravelly flats. 2887 to 3248 ft in elevation. Blooms July-September.
Eriogonum ursinum var. erubescens	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.
Erythranthe taylorii	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.
Erythranthe trinitiensis	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).
Erythronium citrinum var. roderickii	Scott Mountains fawn lily			1B.3	Lower montane coniferous forest. Serpentine; rocky sites. 1788 to 4708 ft in elevation. Blooms March-June.
Erythronium hendersonii	Henderson's fawn lily			2B.3	Lower montane coniferous forest. 197 to 2953 ft in elevation. Blooms April-July.
Erythronium howellii	Howell's fawn lily			1B.3	Lower montane coniferous forest, north coast coniferous forest. 394 to 3773 ft in elevation. Blooms April-May.
Erythronium klamathense	Klamath fawn lily			2B.2	Upper montane coniferous forest, meadows and seeps. 3937 to 6070 ft in elevation. Blooms April-July.
Erythronium oregonum	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).
Erythronium revolutum	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).
Erythronium shastense	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.
Eucephalus vialis	wayside aster			1B.2	Lower montane coniferous forest, upper montane coniferous forest. Gravelly substrates. 1952 to 4938 ft in elevation. Blooms June-September.
Eurybia merita	subalpine aster			2B.3	Upper montane coniferous forest. 4265 to 6562 ft in elevation.
Galium serpenticum ssp. scotticum	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.
Gentiana plurisetosa	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.
Gentiana setigera	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.
Geum aleppicum	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
Gilia capitata ssp. pacifica	Pacific gilia			1B.2	Coastal bluff scrub, chaparral, coastal prairie, valley and foothill grassland. 16 to 4413 ft in elevation. Blooms April-August.
Harmonia doris-nilesiae	Niles' harmonia			1B.1	Lower montane coniferous forest, chaparral, cismontane woodland. Serpentine barrens. 2133 to 5446 ft in elevation. Blooms May-July.

Sewillic Fairne Common Fairne Period State Common Fairne Period State Colored Period Period State Colored Period Period State Colored Period P						
Scientific Name Common Name Federal Selection Common Name Federal Selection Federal	Table 5a Special-Stat	us Plant Species Known or w	-			he Klamath Mountains Ecological Section (M261A) within the Treatable Landscape
Automate antibibility of Sobber Immedia Service Sobber Immedia Personal antibibility of Sobber Immedia Personal antibibibility of Sobber Immedia Personal an			L	isting Sta	tus	
Immensionalista in buttercupied sandards 1972 Destroy content products and services as	Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
International In	Harmonia stebbinsii	Stebbins' harmonia			1B.2	Chaparral, lower montane coniferous forest. Serpentine soils; often along roads. 394 to 5200 ft in elevation. Blooms May-June.
Secretary interfaces and secretary interfaces as secre	Hemieva ranunculifolia	buttercup-leaf suksdorfia			2B.2	
Selection for critical processors of the file of the f	Horkelia congesta var. nemorosa	'			2B.1	
Habe tarea Belle Mass 2.3 Spine boulet or a rock riefd, subspire convoluence statement, 560 to 1907 in recording. However, from the Polymer group with the process of		'				
Hame systematics California globe mildow Line State (Line State		'				
Finance Extractions (Critical groters analow) 182 Note: Count conference force; chapsed (Lower, Chapsed) (L						
December Proceedings Processing Processing Processing December December Processing December	· · ·	<u> </u>				
James dudely Darley's tash 233 Joven mortuse conference forces intensic. We area in from 1.182 in decadent Blooms by August. Lenkis considerative with the second of the properties of th						
Levisia contriction Canteloov's kenisia 182 Booms Markey Cotabor Levisia copyedon not. heckmen's levisia 182 Lover mortane conferous forest, Brody place, 778 to 5850 ft in elevation. Biocorns May-July Levisia appointfolia Costa Range finantium 283 Lover mortane conferous to test, Brody place, 778 to 5850 ft in elevation. Biocorns May-July Lover incornance conferous forest, Brody place, 778 to 5850 ft in elevation. Biocorns May-July Lover formation conferous forest, Brody place, 778 to 5850 ft in elevation. Biocorns May-July Lover formation conferous forest, Brody place, 778 to 5850 ft in elevation. Biocorns May-July Lover formation conferous forest, preyon and jumper woodbank Rocky slopes, Buts, and sometimes greavy openings, in yellow pine black out woodbank out woodbank on vocations and society forest. Meess uliginosa broad-neede fump moss broad-neede fump moss Broad-land glained forest. North coast conferous forest, subalpine conferous forest, sub	· · ·					
Levisia Cinylidorinasc hedderei sposibilitia		,				Broadfleafed 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.
Eversia opposite/bia opposite/based levisia poposite/based levisia poposite/based levisia opposite/based levisia poposite/based levisia opposite/based levisia o	Lewisia cotyledon var. heckneri	Heckner's lewisia			1B.2	
Lonatium martindalei Coast Range konatum Peck's Ionatium Peck'	•					
Lornatium peckianum Peckis Ionnatium Pec	· ·	+ ' ·				
Meseis utilipinosa bos4-nerved hump moss bos6-nerved hump moss bos						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.
Monish woedlymph 28.2 Broadleafed upland forest. North coast conferous forest. 328 to 3609 ft in elevation. Blooms May-August. Monish howellis Howell's monis 28.2 Meadows and seeps, north coast conferous forest, yearlal pools. Vernally wet sites often on compacted soil. 33 to 3297 ft in elevation. Blooms (February), March-May. Nelvaiss aid froni Shast as now-weath 18.1 Coastal blind sruth, coastal dunes, coastal praine, lower montane conferous forest, riparian woodland. Shaded, north-facing, or sheltered canyons. Sometimes on limestone. Mesic areas. 1083 to 1772 ft in elevation. Blooms April-June. Ophiologisum pusillum on rinem adder's tongue 28.2 Marshes and swamps, meadows and seeps, Marsh edges, low pastures, grassy modiside eithers. Also described as in 'Open swamp'. '3560 to 6548 ft in elevation. Blooms Iuly. Orthodrorichum hobizingeri Hobizinger's orthorichum moss 18.1 German and seeps, well an	Meesia uliginosa	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.
Mediows and seeps, north coast coniferous forest, everall pools. Vernally wet sites, often on compacted soil. 33 to 3297 ft in elevation. Blooms (February), March-May. Nevissal cirifornii Shata snow-wreath 182 Cosmontane woodland, lower montane coniferous forest, fiparian woodland, Shaded, north-facing, or sheltered caryons. Sometimes on limestone. Medic areas. 1083 to 1772 ft in elevation. Blooms April-June. Oenothera wolfii Wolf's evening primrose 181. Oenothera wolfii north-madder's-tongue 282. Marches and swamps, meadows and seeps, Marsh edges, low pastures, grassy roadside dirches. Also described as in "open swamp." Sight to 540 ft in elevation. Blooms May. October. Orthocarpus pachystachyus Shasta orthocarpus 181. Orthocirchum hobingeri Hobinger's orthorichum moss 181. Great Basin scrub, meadows and seeps, warsh edges, low pastures, grassy roadside dirches. Also described as in "open swamp." Sight to 540 ft in elevation. Blooms May. Orthorichum hobingeri Hobinger's orthorichum moss 181. Great Basin scrub, meadows and seeps, wally and foothill grassland. Alluvial plains, hillsides. 2740 to 5003 ft in elevation. Blooms May. Orthorichum hobingeri Hobinger's orthorichum moss 181. Great Basin scrub, meadows and seeps, suelly and foothill grassland. Alluvial plains, hillsides. 2740 to 5003 ft in elevation. Blooms May. Orthorichum hobingeri western ragwort 282. Eackera hesperia western ragwort 282. Upper montane coniferous forest, personnane coniferous forest, sprentime 2014 to 2297 ft in elevation. Blooms (Junay), (April), May-July (August). Packera hesperia western ragwort 282. Very Meadows and seeps, bogs and fens. Rocky serpentime soil. 2543 to 6562 ft in elevation. Blooms (Junay), August-September. Panassia cirrata var. intermedia Cascade grass-of-Pamassus 282. Very Meadows and seeps, bogs and fens. Rocky serpentime soil. 2543 to 6562 ft in elevation. Blooms (Junay), August-September. Packela leonis Siskiyou phacelia 183. Ciscontane woodland, lower montane coniferous forest, superimonane	Moneses uniflora	woodnymph			2B.2	
Neviusia diffonii Shasta snow-weath 18.2 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. Opendorea wolfii Wolf's evening-primrose 18.1 (Costal bluff srrub, costal dunes, costal prairie, lower montane coniferous forest, Sandy substrates; usually mesic sites. Ot a 10 ft in elevation. Blooms May-October. Ophical prairies and seeps. Marsh edges, low pastures, grassy roadside ditches. Also described as in "open swamp". 3600 to 6348 ft in elevation. Blooms July. Orthoratrichum holzingeri Sonthoratryus Shasta orthocarpus 18.1 (Israel Basin szrub, meadows and seeps. Walley and foothfill grassland. Alluvial plains, fillishides. 2740 to 5003 ft in elevation. Blooms May. Orthorichium holzingeri Holzinger's orthorichum moss 18.3 (Cismontane woodland, lower montane coniferous forest, upper 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. Packera hesperia western ragwort 28.2 (Costal szrub, north coast coniferous forest. Sometimes along roadsides. 98 to 3002 ft in elevation. Blooms (Blooms (January)/(Aprill), May-July (August). Parassasia cirrata var. intermedia western ragwort 28.2 (Upper montane coniferous forest. Sometimes along roadsides. 98 to 3002 ft in elevation. Blooms April-June. Parassasia cirrata var. intermedia Cascade grass-of-Parassus 28.2 (East Surub, north coast coniferous forest. Sometimes along roadsides. 98 to 3002 ft in elevation. Blooms April-June. Parassasia cirrata var. intermedia Cascade grass-of-Parassus 28.2 (East Surub, north coast coniferous forest. Dry story stee, grassy openings, and meadows, often along trails and logging roads; sometimes on sepentine. 591 to 7005 ft in elevation. Blooms May-August (September). Phacelia leonis Siskiyou phacelia 18.3 (Upper montane coniferous forest, Unwer montane conif					2B.2	
Denothera wolfii Wolf's evening-primrose 18.1 Coastal bluff scrub, coastal drunes, coastal prairie, lower montane coniferous forest. Sandy substrates, usually mesic sites. 0 to 410 ft in elevation. Blooms May-October. Ophioglosum pusillum northem adder's tongue 18.1 Great Basin scrub, meadows and seeps. Marsh edges, low pastures, grassy roadside ditches. Also described as in "open swamp." 3560 to 6348 ft in elevation. Blooms May. Orthoctrichum holzingeri Holzinger's orthotrichum moss 18.3 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 May. Packera bloanderi var. bolanderi var. bolanderi secoast ragwort 28.2 Upper montane coniferous forest. Sometimes along madsides. 98 to 3002 ft in elevation. Blooms (January), (February), (April), May-luly (August). Parassia cirrata var. intermedia 28.2 Upper montane coniferous forest, meadows and seeps. Septembire. 2034 to 2297 ft in elevation. Blooms April-June. Pensternon filiformis 4 thread-leaved beardtongue 4 18.3 Cismontane woodland, lower montane coniferous forest, pinyon-juniper september. Phacelia greenei 5 cost Valley phacelia 5 cost Valley phacelia 5 cismontane woodland, lower montane coniferous forest. Dry story sites, grassy openings and meadows, often along trails and logging roads, sometimes on serpentine. 591 to 7005 ft in elevation. Blooms May-August (September). Cismontane woodland, lower montane coniferous forest, subalpine coniferous forest, subalpine coniferous forest, upper montane coniferous forest, upper montane coniferous forest, puper montane coniferous forest, upper montane coniferous forest, puper montane coniferous forest, p	Neviusia cliftonii	Shasta snow-wreath			1B.2	
Opthogossum pusillum northern adder's-tongue 28.2 Marshes and swamps, meadows and seeps. Marsh edges, low pastures, grassy roadside ditches. Also described as in "open swamps." 3560 to 6348 ft in elevation. Blooms July. Orthotrichum hobinger's photorichum moss 18.1 Great Basin scrulb, meadows and seeps, valley and foothill grassland. Alluvial plains, fillsides. 2740 to 5003 ft in elevation. Blooms May. Orthotrichum hobinger's hobinger's orthotrichum moss 18.3 Cismontrane voordland, lower montane coniferous forest, pipper montane coniferous forest, upper montane coniferous forest, subalpine con	Oenothera wolfii	Wolf's evening-primrose				
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Packera bolanderi var. bolanderi seacoast ragwort 28.2 Coastal scrub, north coast coniferous forest. Sometimes along roadsides. 98 to 3002 ft in elevation. Blooms (January), (February), (April), May-July (August). Packera hesperia westem ragwort 28.2 Upper montane coniferous forest, meadows and seeps. Serpentine. 2034 to 2297 ft in elevation. Blooms April-June. Parnassia cirrata var. intermedia Cascade grass-of-Parnassus 28.2 Meadows and seeps, bogs and fens. Rocky serpentine soil. 2543 to 6562 ft in elevation. Blooms (July), August-September. Penstemon filiformis thread-leaved beardtongue 18.3 Cismontane woodland, lower montane coniferous forest. Dry story sites, grassy openings, and meadows, often along trails and logging roads; sometimes on serpentine. 591 to 7005 ft in elevation. Blooms May-August (September). Phacelia greenei Scott Valley phacelia 18.3 Upper montane coniferous forest, lower montane coniferous forest, subalpine coniferous forest, upper montane coniferous forest, upper montane coniferous forest, upper montane coniferous forest, upper montane coniferous forest, broads and seeps. Sandy, moist soil, sometimes on serpentine. 3937 to 6562 ft in elevation. Blooms June-August. Phacelia sericea var. ciliosa blue alpine phacelia 28.3 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. Picea engelmannii Engelmann spruce 28.2 Upper montane coniferous forest. Slopes and hillsides, often on alluvial terrace. 3494 to 7005 ft in elevation. Blooms June-August. Picea engelmannii Engelmann spruce 28.2 Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June. Piperia candida white-flowered rein orchid 18.2 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.		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.
Packera hesperia western ragwort 2B.2 Upper montane coniferous forest, meadows and seeps, Serpentine. 2034 to 2297 ft in elevation. Blooms April-June. Parnassia cirrata var. intermedia 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. Penstemon filiformis 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). Phacelia greenei 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. Phacelia sericea var. ciliosa blue alpine phacelia 2B.3 Upper montane coniferous forest, meadows and seeps. Sandy, moist soil, sometimes on serpentine. 3937 to 6562 ft in elevation. Blooms June-August. Picea engelmannii Engelmann spruce 2B.2 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. Piperia candida 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.	Packera bolanderi var. bolanderi				2B.2	
Parnassia cirrata var. intermedia 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. Penstemon filiformis 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). Phacelia greenei 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. Phacelia sericea var. ciliosa 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. Picea engelmannii Engelmann spruce 2B.2 Upper montane coniferous forest. Slopes and hillsides, often on alluvial terrace. 3494 to 7005 ft in elevation. Pinguicula macroceras horned butterwort 2B.2 Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June. Piperia candida 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).	Packera hesperia	western ragwort			2B.2	
Penstemon filiformis 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). Phacelia greenei 2ctt Valley phacelia 2bt. 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. Phacelia leonis 2bikiyou phacelia 2bu alpine phacelia 2bu alpine phacelia 2bu alpine phacelia 2bu alpine phacelia 2bu 2bu per montane coniferous forest, meadows and seeps. Sandy, moist soil, sometimes on serpentine. 3937 to 6562 ft in elevation. Blooms June-August. Phacelia sericea var. ciliosa blue alpine phacelia 2bu 2bu alpine phacelia 2bu	Parnassia cirrata var. intermedia	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.
Phacelia leonis Siskiyou phacelia 18.2 elevation. Blooms April-June. Phacelia leonis Siskiyou phacelia 18.3 Upper montane coniferous forest, meadows and seeps. Sandy, moist soil, sometimes on serpentine. 3937 to 6562 ft in elevation. Blooms June-August. Phacelia sericea var. ciliosa blue alpine phacelia 28.3 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. Picea engelmannii Engelmann spruce 28.2 Upper montane coniferous forest. Slopes and hillsides, often on alluvial terrace. 3494 to 7005 ft in elevation. Pinguicula macroceras horned butterwort 28.2 Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June. Piperia candida white-flowered rein orchid 18.2 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.	Penstemon filiformis	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).
Phacelia sericea var. ciliosa 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. Picea engelmannii Engelmann spruce 2B.2 Upper montane coniferous forest. Slopes and hillsides, often on alluvial terrace. 3494 to 7005 ft in elevation. Pinguicula macroceras horned butterwort 2B.2 Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June. Piperia candida 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.	Phacelia greenei	Scott Valley phacelia			1B.2	
Picea engelmannii Engelmann spruce 2B.2 Upper montane coniferous forest. Slopes and hillsides, often on alluvial terrace. 3494 to 7005 ft in elevation. Pinguicula macroceras horned butterwort 2B.2 Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June. Piperia candida 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.	Phacelia leonis	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.
Pinguicula macroceras horned butterwort 2B.2 Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June. Piperia candida 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.	Phacelia sericea var. ciliosa	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.
Pinguicula macroceras horned butterwort 2B.2 Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June. Piperia candida 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.	Picea engelmannii	Engelmann spruce			2B.2	Upper montane coniferous forest. Slopes and hillsides, often on alluvial terrace. 3494 to 7005 ft in elevation.
Piperia candida 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.		· ·			2B.2	Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June.
		white-flowered rein orchid			1B.2	
Lead and the state grass probability of the state grass gras	Poa sierrae	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.

			isting Sta	hus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Polemonium carneum	Oregon polemonium			2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. 0 to 6004 ft in elevation. Blooms April-September.
Prosartes parvifolia	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.
Puccinellia howellii	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.
Pyrrocoma racemosa var. congesta	Del Norte pyrrocoma			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.
Raillardella pringlei	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.
Ramalina thrausta	angel's hair lichen			2B.1	North coast coniferous forest. On dead twigs and other lichens. 246 to 1411 ft in elevation.
Rhynchospora capitellata	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.
Rorippa columbiae	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.
Sabulina howellii	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.
Sabulina stolonifera	Scott Mountain sandwort			1B.3	Lower montane coniferous forest. Serpentine soils, Jeffrey pine forest. 4101 to 4593 ft in elevation. Blooms May-August.
Sanguisorba officinalis	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.
Schoenoplectus subterminalis	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).
Scirpus pendulus	pendulous bulrush			2B.2	Meadows and seeps, freshwater marsh. Mesic sites. 2625 to 3281 ft in elevation. Blooms June-August.
Scutellaria galericulata	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.
Sedum citrinum	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.
Sedum oblanceolatum	Applegate stonecrop			1B.1	Upper montane coniferous forest. Rocky sites. 1312 to 6562 ft in elevation. Blooms June-July.
Sedum obtusatum ssp. paradisum	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.
Sidalcea oregana ssp. eximia	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.
Silene marmorensis	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.
Silene salmonacea	Klamath Mountain catchfly			1B.2	Lower montane coniferous forest. Openings, usually serpentine. 2543 to 4413 ft in elevation. Blooms (April), May-July.
Silene serpentinicola	serpentine catchfly			1B.2	Chaparral, lower montane coniferous forest. Serpentine openings, gravelly or rocky soils. 394 to 2510 ft in elevation. Blooms May-July.
Silene suksdorfii	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.
Streptanthus howellii	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.
Streptanthus oblanceolatus	Trinity River jewelflower			1B.2	Cismontane woodland. 66 to 1378 ft in elevation. Blooms April-June.
Thermopsis robusta	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.
Trifolium piorkowskii	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.
Trifolium siskiyouense	Siskiyou clover			1B.1	Meadows and seeps. Mesic sites. 2887 to 4921 ft in elevation. Blooms June-July.
Triteleia grandiflora	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.
Triteleia hendersonii	Henderson's triteleia			2B.2	Cismontane woodland. Open slopes and road banks. 2493 to 3937 ft in elevation. Blooms May-July.
Vaccinium scoparium	little-leaved huckleberry			2B.2	Subalpine coniferous forest. Rocky, subalpine woods. Sometimes serpentine. 3396 to 7218 ft in elevation. Blooms June-August.
Vaccinium shastense ssp. shastense	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.
Viburnum ellipticum	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.
Viola primulifolia ssp. occidentalis	western white bog violet		İ	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 California Rare Plant Rank

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

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

Table 5a Special-S	tatus Plant Species Known or w				ne Klamath Mountains Ecological Section (M261A) within the Treatable Landscape
Scientific Name	Common Name	Federal	sting Sta	California Rare Plant Rank	Habitat Desription

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)

Table 5b Special-Status	Wildlife Species Known or with	Pote	ntial t	o Occi	ır in 1	the k	(lama	nth M	louni	tains	s Eco	logic	al Se	ectio	n (M2	261A)_																		
Table 35 Special Status	Whalle Species known or with	Lis	sting	o occi		tile i	Clairia	icii ivi	Cum	. ami	, LCC	rogic	ai Se	ctio			/nes	within	the Tr	eatable	e Landso	ane												
		St	atus					ĺ		1							,,,,,,		1		1	· 	1		1			1	_					
Scientific Name	Common Name	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	Valley Foothill Riparian	Valley Oak Woodland	White Fir	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians									,																									
Federal and State Listed/CDFW Fully Prote	cted																																	
Hydromantes shastae	Shasta salamander		T	Х	Х	Х	Χ	Χ	Х			Х	Х			Х			Х	Х	Х	Х	Х	Χ	Х	Х			Х		Х	Х	Х	316,844
Plethodon asupak	Scott Bar salamander		T	Χ								Х		Χ		Х			Χ	Χ	Х	Х	Х	Χ	Х	Х			Х	Χ	Х		Χ	25,944
Plethodon stormi	Siskiyou Mountains salamander		T	Χ								Х				Χ			Χ	Χ	Х	Χ	Х	Χ	Х	Χ					Х		Χ	23,030
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,255,406
Rana cascadae	Cascades frog ²		C SC	Х	Х				Х			Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х		Х	236,565
Rana draytonii	California red-legged frog ²	T	SC	Χ		Χ	Χ	Χ	Χ			Χ		Χ		Χ			Χ	Χ	Х	Х	Х		Х	Х			Х		Х	Χ	Χ	123,734
CDFW Species of Special Concern																																		
Ambystoma macrodactylum sigillatum	southern long-toed salamander ²		SC	Χ	Х				Χ			Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х		Χ	Х	Х	Х		Χ	263,549
Ascaphus truei	Pacific tailed frog ²		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х	Х	Χ	Χ	1,113,847
Rana aurora	northern red-legged frog ²		SC	Χ					Χ	Χ	Х	Χ		Χ		Χ			Χ	Χ	Х	Х	Х	Χ			Х		$oxed{oxed}$	'	Х		Χ	17,125
Rhyacotriton variegatus	southern torrent salamander ²		SC	Χ			Χ		Χ	Χ	Х	Χ		Χ		Χ			Χ	Χ	Х	Х	Х	Χ	X	Х	Х		$oxed{oxed}$	'	Х		Χ	85,308
Spea hammondii	western spadefoot ²		SC	Χ		Χ	Χ	Χ	Χ			Χ							Χ	Χ	Х	Χ	Х		Χ					'	Х	Χ		16,744
Birds																																		
Federal and State Listed/CDFW Fully Prote	cted																										_							
Agelaius tricolor	tricolored blackbird		E SC	Х		Х	Х	Х				Х							Х	Χ	Х	Х			Х				Х		Х	Х		<1
Antigone canadensis tabida	greater sandhill crane		T FP	Х	Х				Х			Х	Х	Х	Х	Χ			Х	Х	Х	Х	Х	Х	Х	Х		Х	Х				Х	929
Aquila chrysaetos	golden eagle		FP	Χ	Х	Χ	Χ	Χ	Χ	Χ				Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Х	X	Х	Х	Χ	1,265,117
Brachyramphus marmoratus	marbled murrelet ²	T	E	Χ								Χ		Χ		Χ			Χ	Χ	Х	Х	Х	Χ	Х				 	<u> </u>			Χ	10,697
Buteo swainsoni	Swainson's hawk		T	Χ	Х				Χ					Χ	Χ	Х			Χ	Χ	Х	Х		Χ	Х			Х	Х	<u> </u>			Χ	21,877
Charadrius alexandrines nivosus	western snowy plover ²	T	SC						Χ			Х		Χ		Х			Χ	Χ	Х	Х	Х				Χ		 	<u> </u>				2,510
Elanus lecurus	white-tailed kite		FP	Χ		Χ	Χ	Χ	Χ			Х		Χ	Χ	Χ			Χ	Χ	Х	Х	Х	Χ	Х		Χ	Х	Х	<u> </u>	-	Х		37,305
Empidonax traillii	willow flycatcher		E			Х	Χ	Χ	Χ		-	Х		Χ		Х			Χ	Х	Х	Х	Х	Χ	Х	Х			Х	<u> </u>		Х	Χ	210,405
Empidonax traillii brewsteri	little willow flycatcher		E			Х	Χ	Χ	Χ	Х	_			Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х	Χ	Х	Х	Х		Χ	Χ	1,267,874
Falco peregrinus anatum	American peregrine falcon		FP	Χ	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	1,267,874
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1,267,874
Laterallus jamaicensis coturniculus	California black rail ²		T FP	Х															Х		Х			Χ										-

Table 5b Special-Status V	Wildlife Species Known or with I	Dotor	tial t	o Ocean	in the	Vlagg	ath-	Maur	tain	c For	مامعنا	sal-C	octio	n (M2	614)-																	
Table 5b Special-Status	whalife species known or with i	List		o Occur	in the	Kiaii	iatn i	viour	ıtaın	IS ECC	ologic	cai Se	ectio				**1 *															
		Sta	tus		· ·		1							C	VHR IY	/pes \	within	the Ire	eatable	Landsc	ape		I I							1	1	
Scientific Name	Common Name	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	Valley Foothill Riparian Valley Oak Woodland	White Fir	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Passerculus sandwichensis beldingi	Belding's savannah sparrow		Е	х х	Х	Х	Χ	Х		Χ	Χ	Χ	Χ	Χ	Χ			Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Χ		ХХ	Х	166,682
Phoebastria albatrus	short-tailed albatross ²	Е	SC	Х				Х	Χ	Χ	Χ		Χ		Χ			Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Х				Х	Х	46,097
Riparia riparia	bank swallow		Τ	Х							Х		Χ	Χ	Χ			Χ	Χ	Χ	Х	Х	Х	Χ			Х	Χ		Х	Х	34,399
Strix nebulosa	great gray owl		Ε	Х	Х	Х					Х				Χ			Χ	Χ	Х	Х			Х				Χ				56
Strix occidentalis caurina	northern spotted owl	Т	T SC	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	х х	Х	1,040,182
CDFW Species of Special Concern								•		•			•																	•	•	
Accipiter gentilis	northern goshawk		SC	ХХ	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	ХХ	Х	1,234,577
Ammodramus savannarum	grasshopper sparrow		SC	ХХ	Χ	Х	Х	Х			Χ	Χ	Χ	Χ	Χ			Χ	Χ	Χ	Х	Х	Χ	Χ	Χ		Х	Χ		ХХ	Х	182,071
Asio flammeus	short-eared owl		SC	х х				Х			Χ	Χ	Χ	Χ	Χ			Χ	Χ	Χ	Х	Х	Х	Х	Χ		Х	Χ			Х	1,135
Asio otus	long-eared owl		SC	ХХ	Χ	Х	Х	Х	Χ		Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	χ	ХХ	Х	1,265,915
Athene cunicularia	burrowing owl		SC	х х	Х	Х	Х	Х			Χ	Χ	Χ	Χ	Χ			Χ	Χ	Χ	Х	Х	Х	Х	Χ		Х	Χ		ХХ	Х	485,649
Aythya americana	redhead ²		SC	х х				Х			Χ	Χ	Χ	Χ	Χ			Χ	Χ	Χ	Χ	Χ		Χ		Χ	Х	Χ				2,012
Chaetura vauxi	Vaux's swift		SC	х х	Х	Х	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Х	Χ	Χ	χ	ХХ	Х	1,267,874
Chlidonias niger	black tern ²		SC	Х											Χ					Χ	Χ	Χ		Χ				Χ				47
Circus cyaneus	northern harrier		SC	х х	Х	Х	Х	Х		Χ	Х	Χ	Χ	Χ	Χ			Χ	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Χ		Х	Х	10,494
Contopus cooperi	olive-sided flycatcher		SC	х х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	ХХ	Х	1,267,874
Coturnicops noveboracensis	yellow rail ²		SC	Х								Χ			Χ				Χ				Х					Χ				-
Cypseloides niger	black swift		SC	Х				Х			Χ	Χ	Χ		Χ			Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ			Χ	χ	Х	Х	60,026
Histrionicus histrionicus	harlequin duck ²		SC																			Х										<1
Icteria virens	yellow-breasted chat		SC	х х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ			Х	Х	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Х	Χ	ХХ	Х	1,163,476
Lanius Iudovicianus	loggerhead shrike		SC	х х	Х	Х	Х	Х			Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Х	Х	Χ	Х	Χ		Χ	Χ	Χ	ХХ	Х	266,532
Passerculus sandwichensis alaudinus	Bryant's savannah sparrow		SC					Х		Х	Χ		Χ		Χ			Х	Х	Χ	Х	Х				Х	\Box			Х		2,7,57
Pelecanus erythrorhynchos	American white pelican ²	1 1	SC	х х				Х			Χ	Χ	Χ	Χ	Х			Χ	Х	Χ	Х	Х	Χ	Х	Χ		Χ	Х			Х	929
Progne subis	purple martin	1 1	SC	х х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ			Х	Х	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Х	Χ	ХХ	Х	1,210,258
Setophaga petechia	yellow warbler		SC	х х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Х	χ	ХХ	Х	1,267,874
Strix occidentalis occidentalis	California spotted owl		SC	Х	Х	Х		Х			Χ				Χ			Χ	Х	Х	Х	Х		Х				Χ				43,084
Xanthocephalus xanthocephalus	yellow-headed blackbird ²	1 1	SC	ХХ				Х			Χ	Χ	Χ	Χ	Χ			Χ	Х	Χ	Х	Х	Χ	Χ	Χ		Χ	Χ			Х	929
Invertebrates																																
Federal and State Listed/CDFW Fully Protect	ed																															
Bombus crotchii	Crotch bumble bee ²		С	Х	Х	Х		Х			Χ	Χ	Χ		Χ	Х				Χ	Х	Х	Χ	Х	Χ			Χ	Χ	ХХ	Х	304,798
Bombus franklini	Franklin's bumble bee ²	1 1	С	Х	1	Х		Х			Χ	Χ	Χ		Χ					Χ	Х	Х	Χ	Х	Χ			Х	χ	ХХ	Х	267,864
Bombus occidentalis occidentalis	western bumble bee ²	1 1	С	Х	Χ	Х		Х	Х		Χ	Χ	Χ		Χ	Х				Χ	Х	Х	Χ	Χ	Χ	Х		Χ	Х	ХХ	Х	1,149,079

Table 5b Special-Status	Wildlife Species Known or with I	Po <u>te</u> i	ntial <u>t</u>	o O <u>ccu</u>	r i <u>n t</u> l	he Kl	la <u>ma</u>	th <u>M</u>	lou <u>n</u>	ta <u>in</u> :	s Eçc	olo <u>gi</u> c	al <u>S</u> e	ectio	n (M <u>2</u>	261A)_																	
		Lis	sting atus														ypes	within	the Tr	eatable	e Landso	ape											
Scientific Name	Common Name	Federal	State	Annual Grassland	Bitterordsn	Plue Can Woodialia	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	Valley Foothill Riparian Valley Oak Woodland	White Fir	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Bombus suckley	Suckley cuckoo bumble bee ²		С	Χ	>	(Χ		Χ			Χ	Χ	Χ		Χ	Х				Χ	Χ	Х	Χ	Χ	Х			Χ	Χ	ХХ	Х	722,119
Branchinecta lynchi	vernal pool fairy shrimp ²	T		Х	X)	(Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Х	Х		Χ	Χ	Χ	ХХ	Х	558,269
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	Т		Х	>	(Χ	Χ	Χ			Х							Х	-	Х	Х			Χ						Х		13,031
Lepidurus packardi	vernal pool tadpole shrimp ²	Е		Х	X >	(Χ	Χ	Χ			Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х		Χ	Χ	X	ХХ	Х	1,062,518
Monadenia infumata setosa	Trinity bristle snail		T	Х	X >	(Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Х	X	ХХ	Х	1,256,564
Pacifastacus fortis	Shasta crayfish ²	E	E	Х)	(Χ		Χ			Х				Χ			Х	Χ	Х	Х	Х		Х	Х			Χ		ХХ	Х	97,559
Speyeria zerene hippolyta	Oregon silverspot butterfly	T		Х	X >	(Χ	Χ	Χ			Х	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Χ	Х	Х		Χ	Х	X	ХХ	Х	1,039,269
Mammals																																	
Federal and State Listed/CDFW Fully Protec	ted																																_
Bassariscus astutus	ringtail		FP	Х	X >	(Χ	Χ	Χ	Χ	Х		Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Х	Х	X X	Х	1,267,874
Canis lupus	gray wolf	E	E	Х	X >	(Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х		Χ	Х	Х	X X	Х	1,034,486
Gulo gulo	California wolverine	С	T FP	Х	>	(Х	Х	Х	Х		Х	Х	Х		Х	Х		Х	Χ	Х	Х	Х	Χ	Х	Х	Х		Х	Х	х х	Х	326,748
Martes caurina humboldtensis	Humboldt marten		E SC	Х	X		Х		Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	x x	Х	536,329
Microtus californicus scirpensis	Amargosa vole	Е	E	Х)	(Χ	Χ	Χ			Χ		Χ		Χ			Χ	Χ	Х	Х	Х	Χ	Х	Χ			Χ		ХХ	Х	170,037
Pekania pennanti	fisher - West Coast DPS		T SC	Х	X >	(Х	Х	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	x x	Х	1,005,935
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Х	X >	(Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	X	ХХ	Х	1,256,607
CDFW Species of Special Concern																																	_
Antrozous pallidus	pallid bat		SC		X >	(Χ	Χ	Χ	Χ	Х		Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	ХХ	Х	1,267,874
Aplodontia rufa californica	Sierra Nevada mountain beaver		SC	Х	X >	(Χ		Χ			Χ	Χ	Χ		Χ	Х		Χ	Χ	Х	Х	Х	Χ	Х	Χ		Χ	Χ	Χ	Х	Х	206,291
Arborimus albipes	white-footed vole		SC						Χ		Х	Χ		Χ		Χ			Χ	Χ	Х	Х	Х				Χ				Х		2,757
Arborimus pomo	Sonoma tree vole		SC	Х			Χ		Χ	Χ	Х	Χ		Χ		Χ			Χ	Χ	Χ	Х	Х	Χ	Х	Х	Χ				Х	Х	79,693
Corynorhinus townsendii	Townsend's big-eared bat		SC	 	X)	(Χ	Χ	Χ	Χ	Х		Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х	X X	Х	1,267,874
Euderma maculatum	spotted bat		SC	Х	X)	(Χ		Χ			Χ	Χ	Χ		Χ			Χ	Χ	Χ	Х	Х	Χ	Х	Х			Х		X X	Х	269,795
Eumops perotis californicus	western mastiff bat		SC	l	X)	(Χ		Χ			Χ	Χ	Χ	Χ	Χ	Х		Χ	Χ	Χ	Х	Х	Χ	Х	Х		Χ	Х	Х	X X	Х	280,993
Lasiurus blossevillii	western red bat		SC	Х	X >	(Χ	Χ	Χ			Χ	Χ	Χ		Χ	Х		Χ	Χ	Χ	Х	Х	Χ	Χ	Х			Χ	Х	X X	Х	327,446
Lepus americanus klamathensis	Oregon snowshoe hare		SC	l	X >	(Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Х		Χ	Х	Х	X X	Х	1,147,264
Taxidea taxus	American badger		SC	Х	X >	(Χ	Χ	Χ	Χ		Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Х	Х	Х	Χ	Χ	X	X X	Х	1,265,117

Table 5b Special-Status	s Wildlife Species Known or w			Occu	ır in th	ie Kla	math	Μοι	ntain	s Ecc	ologi	ical S	ectio	on (M	261A))									Ì									
		Listi Stat												c	WHR	Types	withi	in the T	reatab	le Land	scape													
Scientific Name	Common Name	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	Valley Foothill Riparian Valley Oak Woodland	White Fir	Associati Types v	creage of ted CWHR vithin the Landscape ¹
Reptiles																																		
CDFW Species of Special Concern			•							<u> </u>			<u> </u>					•				<u> </u>												
Emys marmorata	western pond turtle ²		SC	Χ	Х Х	>	()	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Х	Х	Х	Х		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	ХХ	Χ	12,6	574,32

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 treatable acreage of potential habitat 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 Co. Consid Stat	Die Consider Konstant	ide Dede	ماد د		Mada - Blatan Fada vial Cartin (M2C1C) viabin the Translable Landson
Table 6a Special-Stat	tus Plant Species Known or w				ne Modoc Plateau Ecological Section (M261G) within the Treatable Landscape
		L	isting Sta	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant	Habitat Desription
		rederai	State	Rank	
Federal and State Listed					
Gratiola heterosepala	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.
Orcuttia tenuis	slender Orcutt grass	Т	F	1B.1	Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
California Rare Plant Ranked	sicilaci Orcatt glass	<u> </u>	-	10.1	remai pools, wetand. Ordering substitute. Oz to 3730 it in elevation, blooms may september (october).
Alisma gramineum	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
Allium punctum	dotted onion			2B.2	Pinyon and juniper woodland. Clay soils; rocky sites. 3937 to 5249 ft in elevation. Blooms April-May.
Arnica fulgens	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).
Astragalus agrestis	field milk-vetch			2B.2	Great Basin scrub, meadows and seeps. Vernally mesic sites. 5118 to 5299 ft in elevation. Blooms April-July (August).
Astragalus anxius	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.
Astragalus lemmonii	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).
Atriplex argentea var. hillmanii	Hillman's silverscale			2B.2	Great Basin scrub, meadows and seeps. Alkaline meadows in scrub. 2936 to 5217 ft in elevation. Blooms June-September.
Atriplex gardneri var. falcata	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.
Balsamorhiza serrata	serrated balsamroot			2B.3	Great Basin scrub. Rocky sites. 4790 to 5249 ft in elevation. Blooms May-June.
Calochortus longebarbatus var. longebarbatus	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.
Carex atherodes	wheat sedge			2B.2	Meadows and seeps, marshes and swamps, pinyon and juniper woodland. 4265 to 5052 ft in elevation. Blooms June-August.
Carex petasata	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.
Carex sheldonii	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.
Carex vallicola	western valley sedge			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 5003 to 9203 ft in elevation. Blooms July-August.
Crepis runcinata	fiddleleaf hawksbeard			2B.2	Mojavean desert scrub, pinyon and juniper woodland. Moist, alkaline valley bottoms. 1247 to 10203 ft in elevation. Blooms May-August.
Cryptantha celosioides	cocks-comb cat's-eye			2B.3	Pinyon and juniper woodland. 4298 to 6299 ft in elevation. Blooms July-August.
Delphinium stachydeum	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.
Dimeresia howellii	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.
Diplacus cusickioides	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.
Downingia laeta	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.
Eriogonum prociduum	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.
Erythranthe inflatula	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.
Galium glabrescens ssp. modocense	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.
Galium serpenticum ssp. warnerense	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.
Geum aleppicum	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
Heteranthera dubia	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.
Ivesia paniculata	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.
Juncus luciensis	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.
Lathyrus rigidus	rigid pea			2B.2	Great Basin scrub, pinyon and juniper woodland. Often in disturbed areas. 4987 to 6004 ft in elevation. Blooms April-July.
Lomatium foeniculaceum ssp. macdougali	 			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.
Lomatium hendersonii	Henderson's Iomatium			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-State	us Plant Species Known or w	ith Poten	tial to C	occur in th	ne Modoc Plateau Ecological Section (M261G) within the Treatable Landscape
Table 30 Special State	as Flaire species Known of W	1	isting Stat		Te mode Flateda Leological Section (M2010) Within the Treatable Landscape
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Lomatium ravenii var. ravenii	Raven's lomatium			1B.3	Great Basin scrub. Open, slightly alkaline flats, poorly drained adobe soils. Often with Artemisia tridentata, Grayia, etc. 3986 to 7201 ft in elevation. Blooms April-June.
Lomatium roseanum	adobe lomatium			1B.2	Lower montane coniferous forest, Great Basin scrub. Rocky, gravelly openings. 5873 to 7398 ft in elevation. Blooms May-July.
Lupinus pusillus var. intermontanus	intermontane lupine			2B.3	Great Basin scrub. Sandy soils. 3888 to 6759 ft in elevation. Blooms May-June.
Lupinus uncialis	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.
Mertensia longiflora	long bluebells			2B.2	Great Basin scrub, lower montane coniferous forest. 4347 to 6004 ft in elevation. Blooms April-June.
Mertensia oblongifolia var. amoena	beautiful sagebrush bluebells			2B.2	Great Basin scrub, meadows and seeps. 5348 to 7595 ft in elevation. Blooms April-July.
Mertensia oblongifolia var. oblongifolia	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.
Micromonolepis pusilla	dwarf monolepis			2B.3	Great Basin scrub. Alkaline sites, openings. 4446 to 7201 ft in elevation. Blooms May-August.
Nemophila breviflora	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.
Packera indecora	rayless mountain ragwort			2B.2	Meadows and seeps. Mesic sites. 5249 to 6562 ft in elevation. Blooms July-August.
Penstemon janishiae	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.
Penstemon sudans	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).
Phacelia inundata	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).
Phlox muscoides	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.
Plagiobothrys salsus	desert popcornflower			2B.2	Wetland. Playas (alkaline). Moist, alkaline mud flats. 1985 to 4954 ft in elevation. Blooms May-August.
Polygonum polygaloides ssp. esotericum	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 Deschampsia, Navarretia, etc. 2904 to 5545 ft in elevation. Blooms May-September.
Potamogeton epihydrus	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.
Potamogeton zosteriformis	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
Potentilla basaltica	Black Rock potentilla			1B.3	Meadows and seeps. Alkaline, sandy, volcanic soils. 4462 to 5102 ft in elevation. Blooms May-June (July).
Potentilla newberryi	Newberry's cinquefoil			2B.3	Marshes and swamps, vernal pools. Receding shorelines; drying wetland margins. 4216 to 6332 ft in elevation. Blooms May-August.
Ribes hudsonianum var. petiolare	western black currant			2B.3	Riparian scrub. Along creeks with Salix, Heracleum, etc. 4921 to 7316 ft in elevation. Blooms May-July.
Riella americana	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.
Rumex venosus	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.
Salix bebbiana	Bebb's willow			2B.3	Riparian scrub, marshes and swamps. Streambanks, lakeshores. 3937 to 7316 ft in elevation. Blooms May.
Silene oregana	Oregon campion			2B.2	Great Basin scrub, subalpine coniferous forest. 5495 to 9613 ft in elevation. Blooms July-September.
Stachys pilosa	hairy marsh hedge-nettle			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 2575 to 6709 ft in elevation. Blooms June-August.
Stenotus lanuginosus var. lanuginosus	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.
Stuckenia filiformis 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.
Synthyris missurica ssp. missurica	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).
Thelypodium howellii ssp. howellii	Howell's thelypodium			1B.2	Great Basin scrub, meadows and seeps. Moist alkaline meadows. 3297 to 6709 ft in elevation. Blooms May-July.
Triteleia grandiflora	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.
Utricularia intermedia	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.
Utricularia ochroleuca	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.
Valeriana occidentalis	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-Statu	ıs Plant Species Known or w				ne Modoc Plateau Ecological Section (M261G) within the Treatable Landscape
Scientific Name	Common Name	Li: Federal	sting Sta	California Rare Plant Rank	Habitat Desription

E = Endangered

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

T = Threatened 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)

Table 6b Special-Stat	us Wildlife Species Known	or wit	h Pot	ential [.]	to Occ	ur in	the M	odoc I	Platea	u Ecol	ogical	Section	on (M	261G)													
			ting Itus								CW	HR Type	es with	in the	Treata	ble Lan	ndscape	e									
Scientific Name	Common Name	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		Sagebrush	Sierran Mixed Conifer	Subalpine Conifer	White Fir	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																											
Federal and State Listed/CDFW Fully Pro		ı	1	1	1	1	ı		Γ	1	1	I	ı	I	T	I	1	Ι	I	_	1	1					
Rana pretiosa	Oregon spotted frog ²	T	SC	<u> </u>	Х	Х	Х	<u> </u>	<u> </u>	Х		Х	Х	Х		Х		X	Х	Х	X		X	Χ	Χ	Х	54,842
CDFW Species of Special Concern		1					l ,,	T	1		1		T ,,	T ,/	Ι		I						v T				4.250
Ambystoma macrodactylum sigillatum	southern long-toed salamander ²		SC	V	X	X	X			X		X	Х	X	V	X	V	X	X	X	_		X	X		Χ	4,358
Lithobates pipiens Birds	northern leopard frog ²		SC	Х	Х	Х	Х	<u> </u>	L	Х		Х		Χ	Х	Х	Х	Х	Х	Х	X		^	Х			172,914
Federal and State Listed/CDFW Fully Pro	ntected																										
			E																								
Agelaius tricolor	tricolored blackbird		SC		Х		Х			Х		Х		Х	Х	Х	Х	Х	Х	Х			Х	Х			90,988
Antigone canadensis tabida	greater sandhill crane		T FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х		Х	Χ	Χ	Χ	746,035
Aquila chrysaetos	golden eagle		FP	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Х		Χ	Χ	Χ	Χ	746,035
Buteo swainsoni	Swainson's hawk		T	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Х		Χ	Χ	Χ	Χ	746,035
Falco peregrinus anatum	American peregrine falcon		FP	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Χ	Х	Х	Х	Х		Χ	Χ	Χ	Χ	746,035
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	X	Х	Х	Х	Х	Х	Х		Х	Χ	Χ	Χ	746,035
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х		Χ	Χ		Χ	705,149
Riparia riparia	bank swallow		T		Х		Х			Х		Χ		Х	Χ		Χ	Х	Х	Х			Χ				33,332
Strix nebulosa	great gray owl		E			Χ	Х			Χ		Χ		Х		Χ		Χ		Х	Х		Χ	Χ		Χ	23,732
Strix occidentalis caurina	northern spotted owl	Т	T SC							Х						Х	Х	Х		Х	Х		Х	Χ		Χ	12,821
CDFW Species of Special Concern																											
Accipiter gentilis	northern goshawk		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Х		Χ	Χ	Χ	Χ	536,615
Asio flammeus	short-eared owl		SC	Х	Х	Χ	Х	Х	Х	Х	X	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Х		Χ	Χ		Χ	705,141
Asio otus	long-eared owk		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Χ	Х	Х	Х	Х		Χ	Χ	Χ	Χ	746,035
Anser albifrons elgasi	tule greater white-fronted goose		SC		Х		Х			Χ		Х								Х			Χ			<u> </u>	1,388
Athene cunicularia	burrowing owl		SC	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	Х	Х	Х	-	_	Χ	Χ		Χ	703,761
Aythya americana	redhead ²		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х		Χ	Χ		Χ	705,149
Centrocercus urophasianus	greater sage-grouse		SC		Х	Х	Х	1		Х		Х	Х	Х	Х	Х	Х		Х	Х	_		Х	Χ	Χ	Χ	173,329
Chaetura vauxi	Vaux's swift		SC	X	X	X	X	Х	Х	X	Х	X	Х	X	Х	Х	Х	X	Х	Х	-		X	X	Χ	Χ	458,920
Charadrius alexandrinus	western snowy plover ²		SC	Х	Х	Х	Х	1	<u> </u>	X		Х		Х				X	Х	Х	Х		Χ	Χ		<u> </u>	10,900
Chlidonias niger	black tern ²		SC	X	X	X	X	X	X	X	X	Х	X	X	X	X	X	X	X	X	X	_	X	Χ		Χ	705,149
Circus cyaneus	northern harrier		SC	X	X	X	X	X	X	X	X	Х	X	X	X	Х	Х	X	X	X	X	-	X	Χ		Х	705,149
Contopus cooperi	olive-sided flycatcher		SC	Х	Х	Χ	Х	Х	Х	X	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х		X	Х	Х	Χ	633,449
Histrionicus histrionicus	harlequin duck ²		SC							Х		Χ											Х			<u></u> '	4

Table 6b Special-Sta	atus Wildlife Species Known			ential 1	ю Осс	ur in 1	the Mo	odoc I	Platea	u Ecol	ogical	Section	on (M	261G)												
			ting atus								CWI	HR Type	es withi	n the T	reatal	ole Lan	dscape	9								
Scientific Name	Common Name	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	Sagebrush	Sierran Mixed Conifer	Subalpine Conifer	White Fir	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Ixobrychus exilis	least bittern ²		SC		Χ					Χ		Χ		Χ								Χ				236
Lanius Iudovicianus	loggerhead shrike		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	705,149
Pelecanus erythrorhynchos	American white pelican ²		SC	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ		Χ	705,149
Progne subis	purple martin		SC	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ		Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ		Χ	371,065
Setophaga petechia	yellow warbler		SC	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	746,035
Strix occidentalis occidentalis	California spotted owl		SC							Х	Χ			Χ						Х	Χ	Χ	Χ			499
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ		Χ	705,149
Invertebrates																										
Federal and State Listed/CDFW Fully	Protected																									
Bombus crotchii	Crotch bumble bee ²		С		Χ					Χ								Χ	Χ	Х	Χ		Χ			882
Bombus occidentalis occidentalis	western bumble bee ²		С		Χ	Χ		Χ	Χ	Χ	Χ		Χ				Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	288,876
Bombus suckley	Suckley cuckoo bumble bee ²		С		Х	Χ		Χ	Х	Х	Χ		Χ				Χ	Χ	Χ	Х	Χ		Х	Χ	Χ	284,180
Branchinecta conservatio	conservancy fairy shrimp ²	Е					Χ	Χ		Х		Χ			Χ	Χ	Χ	Χ		Х	Χ	Χ	Χ		Χ	8,499
Branchinecta lynchi	vernal pool fairy shrimp ²	T			Χ				Χ	Χ				Χ		Χ		Χ	Χ	Х	Χ	Χ	Χ		Χ	9,276
Lepidurus packardi	vernal pool tadpole shrimp ²	E			Х				Х	Х				Χ		Χ		Χ	Χ	Х	Χ	Χ	Х		Χ	9,275
Monadenia infumata setosa	Trinity bristle snail		T	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	746,034
Pacifastacus fortis	Shasta crayfish ²	Е	E		Χ		Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ		Χ	45,042
Pseudocopaeodes eunus obscurus	Carson wandering skipper	E			Х					Х		Χ				Χ			Χ			Χ				14,714
Speyeria callippe callippe	callippe silverspot butterfly	Е			Χ	Χ	Χ			Χ	Χ	Χ	Χ	Χ		Χ		Χ	Χ	Χ	Χ	Χ	Χ		Χ	107,554
Speyeria zerene hippolyta	Oregon silverspot butterfly	Т			Х				Х	Х				Χ		Χ		Χ	Χ	Х	Χ	Χ	Х		Χ	9,161
Mammals																										
Federal and State Listed/CDFW Fully	Protected																									
Bassariscus astutus	ringtail		FP		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ		Χ	404,416
Canis lupus	gray wolf	E	E	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	432,903
Gulo gulo	California wolverine	С	T FP		Х				Х	Х		Χ		Х		Χ		Х	Х	Х	Х	Х	Х		Χ	6,883
Martes caurina humboldtensis	Humboldt marten		E SC		Х		Х		Х	Х				Х		Χ		Х	Х	Х	Х	Х	Х		Χ	10,749
Microtus californicus scirpensis	Amargosa vole	Е	Е		Χ					Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ		Х	Х	Χ	Х			10,474
Pekania pennanti	fisher - West Coast DPS		T SC		Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	167,896
Sorex ornatus relictus	Buena Vista Lake ornate shrew	Е	SC		Χ	Х	Х			Х	Χ	Χ	Х	Χ		Χ		Χ	Х	Х	Х	Х	Х		Χ	107,554
Vulpes vulpes necator	Sierra Nevada red fox	С	Т	Χ	Х	Х	Χ	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Х	638,783

Table 6b Special-Sta	tus Wildlife Species Known	or wit	:h Pote	ential [.]	to Occ	ur in 1	he Mo	odoc F	Platea	u Ecol	ogical	Section	on (M2	261G)												
		Lis	ting atus								Ť	HR Type				ble Lar	dscape)								
Scientific Name	Common Name	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	Sagebrush	Sierran Mixed Conifer	Subalpine Conifer		Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
CDFW Species of Special Concern					1				I			ı				I										
Antrozous pallidus	pallid bat		SC	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	746,035
Brachylagus idahoensis	pygmy rabbit		SC	Х	Χ	Х	Х			Χ	Χ	Χ	Χ	Χ		Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	335,969
Corynorhinus townsendii	Townsend's big-eared bat		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	746,035
Euderma maculatum	spotted bat		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	746,035
Eumops perotis californicus	western mastiff bat		SC		Χ		Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	27,138
Lepus americanus klamathensis	Oregon snowshoe hare		SC		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	224,180
Lepus townsendii townsendii	western white-tailed jackrabbit		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	744,646
Taxidea taxus	American badger		SC	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	746,035
Reptiles																										
CDFW Species of Special Concern																										
Emys marmorata	western pond turtle ²		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	554,795

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 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 7a Special-Stat	us Plant Species Known or w	ith Poter	ntial to (Occur in th	ne Mojave Desert Ecological Section (322A) within the Treatable Landscape
		L	isting Sta	tus	
				California	
Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
				Rank	
Federal and State Listed					
Acanthoscyphus parishii var. goodmaniana	Cushanbuny oxythaca	Е		1B.1	Pinyon and juniper woodland. On limestone talus and rocky slopes. 4593 to 7808 ft in elevation. Blooms May-October.
Acanthoseyphus pansiii var. goodinanana	Cusheribury oxytheca			10,1	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.
Astragalus albens	Cushenbury milk-vetch	E		1B.1	Blooms March-June.
Deinandra arida	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.
Deinandra mohavensis	Mojave tarplant		Е	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).
Erigeron parishii	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.
Eriogonum ovalifolium var. vineum	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.
Sidalcea covillei	Owens Valley checkerbloom		Е	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					
Aliciella ripleyi	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.
Asclepias nyctaginifolia	Mojave milkweed			2B.1	Mojavean desert scrub, pinyon and juniper woodland. 2871 to 5577 ft in elevation. Blooms May-June.
Astragalus bernardinus	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.
Astragalus geyeri var. geyeri	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.
Astragalus hornii var. hornii	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.
Astragalus tidestromii	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.
Atriplex argentea var. hillmanii	Hillman's silverscale			2B.2	Great Basin scrub, meadows and seeps. Alkaline meadows in scrub. 2936 to 5217 ft in elevation. Blooms June-September.
Atriplex parishii	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.
Berberis fremontii	Fremont barberry			2B.3	Pinyon and juniper woodland, Joshua tree woodland. Rocky, sometimes granitic. 3740 to 5807 ft in elevation. Blooms March-May.
Boechera dispar	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.
Boechera lincolnensis	Lincoln rockcress			2B.3	Chenopod scrub, Mojavean desert scrub. On limestone. 2887 to 7907 ft in elevation. Blooms March-May.
Boechera shockleyi	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.
Calochortus excavatus	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.
Calochortus palmeri var. palmeri	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernally moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
Calochortus striatus	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.
Chorizanthe xanti var. leucotheca	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.
Cryptantha clokeyi	Clokey's cryptantha			1B.2	Mojavean desert scrub. Sandy or gravelly soils. 2379 to 4478 ft in elevation. Blooms April.
Cymopterus multinervatus	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.
Cymopterus ripleyi var. saniculoides	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.
Diplacus mohavensis	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).
Dudleya abramsii ssp. affinis	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.
Eremothera boothii ssp. boothii	Booth's evening-primrose			2B.3	Joshua tree woodland, pinyon and juniper woodland. 951 to 7907 ft in elevation. Blooms April-September.
Eremothera boothii ssp. intermedia	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.
Erigeron calvus	bald daisy		1	1B.1	Great Basin scrub. Sagebrush and desert scrub; type locality is only known site. 4003 to 4003 ft in elevation. Blooms May.
Erythranthe rhodopetra	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.
Eschscholzia minutiflora ssp. twisselmannii	· · · · · · · · · · · · · · · · · · ·			1B.2	Mojavean desert scrub. Volcanic tuff, with Larrea, Lycium, Eriogonum, Isomeris, Hemizonia. 2231 to 4035 ft in elevation. Blooms March-May.
		ı	1	ı ·	2 · · · · · · · · · · · · · · · · · · ·

Table 7a Special-State	tus Plant Species Known or w	ith Poter	ntial to (Occur in th	ne Mojave Desert Ecological Section (322A) within the Treatable Landscape
Scientific Name	Common Name	Federal	isting Sta	California Rare Plant Rank	Habitat Desription
Layia heterotricha	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.
Leptosiphon serrulatus	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.
Linanthus bernardinus	Pioneertown linanthus			1B.2	Joshua tree woodland, pinyon-juniper woodland. 3904 to 4396 ft in elevation. Blooms March-May.
Linanthus maculatus ssp. maculatus	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.
Loeflingia squarrosa var. artemisiarum	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.
Mentzelia torreyi	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.
Mentzelia tridentata	creamy blazing star			1B.3	Mojavean desert scrub. 2297 to 3806 ft in elevation. Blooms March-May.
Monardella robisonii	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).
Navarretia peninsularis	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.
Navarretia setiloba	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.
Nemacladus secundiflorus var. robbinsii	Robbins' nemacladus			1B.2	Chaparral, valley and foothill grassland. Dry, sandy or gravelly slopes. 1148 to 5577 ft in elevation. Blooms April-June.
Opuntia basilaris var. brachyclada	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).
Orobanche ludoviciana var. arenosa	Suksdorf's broom-rape			2B.3	Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October).
Oryctes nevadensis	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.
Pediomelum castoreum	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.
Phacelia inyoensis	Inyo phacelia			1B.2	Meadows and seeps. Alkaline meadows. 3002 to 10499 ft in elevation. Blooms April-August.
Phacelia nashiana	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.
Plagiobothrys parishii	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).
Polygala intermontana	intermountain milkwort			2B.1	Pinyon and juniper woodland. 3084 to 10105 ft in elevation. Blooms June-July (October).
Ranunculus hydrocharoides	intermountain milkwort			2B.1	Mojavean desert scrub. Springs. 2986 to 4708 ft in elevation. Blooms (April), May-August.
Rosa woodsii var. glabrata	Cushenbury rose			1B.1	Mojavean desert scrub. Springs. 2986 to 4708 ft in elevation. Blooms (April), May-August.
Saltugilia latimeri	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.
Schoenus nigricans	black bog-rush			2B.2	Marshes and swamps. Often in alkaline marshes. 492 to 6562 ft in elevation. Blooms August-September.
Symphyotrichum defoliatum	San Bernardino aster			1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 7 to 6693 ft in elevation. Blooms July-November.
Thelypodium integrifolium ssp. complanatum	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 California Rare Plant Rank

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

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

R = Rare 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)

Table 7b Special-Statu	s Wildlife Species Known or with I				n the M	lojave	Desert	Ecolo	gical S	Sectio	n (322																	,	
		Listing	Status		1	1	ı	1	1	1	1	(CWHR '	Types w	vithin t	the Trea	table L	andsca	pe	-	-	, ,		1	1		1		4
Scientific Name	Common Name	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	Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians		'		•		•	•			•	•	•	•	'										<u> </u>				_	
Federal and State Listed/CDFW Fully Prot	tected																												
Anaxyrus californicus	arroyo (=arroyo southwestern) toad ²	E	SC	Х	Χ	Χ	Χ		Χ		Χ			Χ	Χ			Χ	Χ	Χ	Χ	Χ)	(Х		Х		49,117
Batrachoseps stebbinsi	Tehachapi slender salamander		T		Х		Х								Х			Х											<1
Rana draytonii	California red-legged frog ²	Т	SC	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ			Χ	Χ	Χ	Χ	Х	Χ	(Х	Х	Х	Х	181,674
Rana muscosa	southern mountain yellow-legged frog ²	Е	E		Χ	Х					Χ			Χ	Χ			Χ	Χ	Χ	Χ)	(Х		Х		<1
CDFW Species of Special Concern																													
Batrachoseps campi	Inyo Mountains slender salamander		SC	Х							Х																		21
Lithobates pipiens	northern leopard frog ²		SC	Х	Χ	Χ					Χ							Χ				Χ			Х				3,116
Spea hammondii	western spadefoot ²		SC		Χ				Χ		Χ							Χ							Х		Х		502
Birds																													
Federal and State Listed/CDFW Fully Prot	tected		,									,																	
Agelaius tricolor	tricolored blackbird		E SC	Х	Х		Х	Х		Х	Х			Х	Х			Χ	Х	Χ	Χ	Х	Х		Х	Х	Х	Х	80,191
Aquila chrysaetos	golden eagle		FP	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	X	(X	Х	Х	Х	Х	307,905
Buteo swainsoni	Swainson's hawk		Т	Х	Х	Х	Χ	Χ		Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	X >	(X	Х	Х	Х	Х	142,932
Coccyzus americanus occidentalis	western yellow-billed cuckoo	T	E	Х	Χ						Χ		Χ			Χ	Χ		Χ			Χ	>	(Х	Х			3,871
Elanus leucurus	white-tailed kite		FP		Χ		Χ	Χ			Χ				Χ			Χ	Χ	Χ					Х		Х	Х	<1
Empidonax traillii	willow flycatcher		E		Х	Х					Χ		Χ			Χ		Χ	Χ			Χ	>	(Х	Х			1,411
Empidonax traillii extimus	southwestern willow flycatcher	E	E	Х	Χ	Χ	Χ	Χ	Χ		Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X >	(X	Х	Х	Х	Х	61,812
Falco peregrinus anatum	American peregrine falcon		FP	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ			Χ	Χ			Χ	Χ	Χ	Χ		X >	(Х	Х	Х	Х	<1
Gymnogyps californianus	California condor	E	E FP		Х		Х	Х		Х	Х			Х	Х			Х	Х	Χ	Χ	Х	Х		Х	Х	Х	Х	18,297
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	X >	(X	Х	Х	Х	Х	39,153
Laterallus jamaicensis coturniculus	California black rail ²		T FP	Х	Х						Х											Х	Х				Х		-
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	(X	Х	Х	Х	Х	307,905
Polioptila californica californica	coastal California gnatcatcher	T	SC		Χ		Χ	Χ			Х				Χ			Χ	Χ	Χ	Χ				Х			Х	585
Vireo bellii pusillus	least Bell's vireo	Е	Е	Х	Х		Х	Χ	Χ	Х			Х	Χ			Χ	Χ	Χ	Χ				Х		Х	Х	Х	5,478
CDFW Species of Special Concern		•																					,				•		
Accipiter gentilis	northern goshawk		SC	Х	Χ	Х			Χ		Х	Χ	Х	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Х)	(Х	Х	Х		63,430
Ammodramus savannarum	grasshopper sparrow		SC		Х		Χ								Χ			Χ											<1
Asio otus	long-eared owl		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	X	Х	Х	X	Х	307,905
Athene cunicularia	burrowing owl		SC	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	(X	Х	Х	Х	Х	307,905
Aythya Americana	redhead ²		SC	Х	Χ		Χ	Χ			Χ			Χ	Χ			Χ	Χ	Χ	Χ		T		Х	Х	Х	Х	35,911

Table 7b Special-Status	Wildlife Species Known or with I			Occur ir	n the M	lojave	Desert	Ecolo	gical S	Sectio	n (322																		
		Listing	Status		1	,	ı	1	1		·		CWHR T	Types w	vithin t	he Trea	table L	andsca	ре			<u> </u>			,	1			
Scientific Name	Common Name	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 Grassiand Dingga- Imiger	Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Charadrius alexandrinus	snowy plover ²		SC	Х	Χ	Х					Х							Х				Х		Х	Х				8,594
Charadrius montanus	mountain plover		SC	Х	Χ			Χ			Х			Χ	Χ			Х		Χ					Х		Х		36,138
Circus hudsonius	northern harrier		SC	Х	Х	Х	Х	Χ		Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	X	Х	Х	Х	Х	118,041
Contopus cooperi	olive-sided flycatcher		SC	Χ	Χ	Х	Х	Χ	Χ	Х	Х			Χ	Χ			Χ	Χ	Χ	Χ		х	(Х		Х	Х	<1
Dendragapus fuliginosus howardi	Mount Pinos sooty grouse		SC	Х	Х						Х														Х				<1
Icteria virens	yellow-breasted chat		SC	Х	Х	Х	Х	Х			Х		Х		Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	36,263
Ixobrychus exilis	least bittern ²		SC	Х	Χ	Х					Х		Х			Χ	Χ	Х	Χ		Χ	Х	ХХ	Х	Х	Х	Х	Х	39,047
Lanius ludovicianus	loggerhead shrike		SC	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	х	Х	Х	Х	Х	Х	307,905
Pelecanus erythrorhynchos	American white pelican ²		SC	Х	Х	Х					Х		Х			Χ	Χ	Х	Χ		Χ	Х	х	Х	Х	Х	Х	Х	39,153
Piranga rubra	summer tanager		SC	Х							Х			Χ															1,973
Pooecetes gramineus affinis	Oregon vesper sparrow		SC		Χ		Х					Χ	Х		Χ			Х						Х		Х			<1
Progne subis	purple martin		SC								Х				- , ,			Х							Х	7			<1
Pyrocephalus rubinus	vermilion flycatcher		SC								Х			Χ	Χ			X											82
Setophaga petechia	yellow warbler		SC	Х	Χ	Х	Х	Х	Х		Х		Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	х	X	Х	Х	Х	Х	75,098
Strix occidentalis occidentalis	California spotted owl		SC		Х	X	Х	Х		Х	Х			Х	Х			Х	Х	Х	Х	Х	X X		X	Х	Х	X	8,866
Toxostoma bendirei	Bendire's thrasher		SC	Χ	X	Х					Х	Х		Х	Х			X	,,	- 11			X		X	7	,	1	47,639
Vireo vicinior	gray vireo		SC		X	Х		Х	Х		X	X		Х	Х			X	Х	Х		Х	X	,	X		Х		21,128
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Х	X	X	Х	X	X	Х	X	X	Χ	Х	X	Χ	Х	X	X	Х	Х	Х	XX	`-	X	Х	X	χ	296,582
Invertebrates	yellow fleaded blackbild		30	Λ	Λ	٨	Λ	Λ	Λ		Λ	٨	Λ	٨	Λ	٨	Λ	٨	Λ	Λ	٨	٨	A A	\ \ \ \	Λ	٨	٨	٨	250,502
Federal and State Listed/CDFW Fully Prote	ctod																												
Ambrysus funebris	Nevares Spring naucorid bug (=Furnace Creek)	2 C	<u> </u>	Х	Х	Х	I		<u> </u>	I	Х		Х			Х	V	Х	Х		Х	Х	х Х	Х	Ιv	Х	Х	X	36,977
Bombus crotchii	Crotch bumble bee ²			^	X Y	^	Y	X		Y	^		Λ γ			Λ Υ	^	^	^	Y	Λ γ		^ ^	^	_ ^		X	X	29,423
Bombus occidentalis occidentalis	western bumble bee ²	+	С		X		X	X		X			_ ^			٨				Х	Х	٨	X			X		X	12,588
Branchinecta conservatio	conservancy fairy shrimp ²	E			X		X	X		^	Х			Χ	Χ			Х	V	Х	۸	^	^		Х	^	X	^	7,928
Branchinecta lynchi	vernal pool fairy shrimp ²	T			X		X	1			X			^	Х			X	X	Х	Χ		+		X		۸	V	
,	' ' '		-				+	X						\vdash											-			X	585
Glaucopsyche lygdamus palosverdesensis	Palos Verdes blue butterfly	E	т	V	X	X	X	X	V	V	X	\ <u>'</u>	\ \ \		X	Х	٧/	X	X	X	X	Х	х х	, ,,	X		V	X	585
Monadenia infumata setosa	Trinity bristle snail	-		X	X	- ``	X	X	X	Х	λ v	Х	X	Х	X		X	X	X	X	X		X X		X	X	X	X	307,905
Speyeria callippe callippe	callippe silverspot butterfly	E	-	Х	X	Х	X	X			X		Х		X	Х	X	X	X	X	X	Χ	^ X	X	X	Х	X	Х	37,547
Streptocephalus woottoni	Riverside fairy shrimp ²	E			X		Х	Х			Х			Х	Χ			Х	Х	Χ					X		Х		7,928
Mammals Federal and State Listed/CDFW Fully Prote	cted																												
Bassariscus astutus	ringtail		FP	Χ	X	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	X	Χ	Х	Х	Χ	Χ	Χ	Χ	Х	X	Х	Χ	Х	Х	246,044
Dipodomys merriami parvus	San Bernardino kangaroo rat	Е	SC		Χ		Χ	Χ	Χ	Х			Χ	Χ			Χ	Χ	Χ	Χ				Х		Х	Х		8,035
Gulo gulo	California wolverine	С	T FP	Х	Х	Х					Х		Х			Х		Х	Х			Х	Х	Х	Х	Х	Х	Х	7,311
Microtus californicus mohavensis	Mohave river vole	1	SC	Χ	Χ						Х																		_
Stad camornicas monarciisis		1	- 50			1	1	I	1	1		I	1				l	1	1						1		1	1	1

Table 7b Special-Status	Wildlife Species Known or with F	Potent	ial to C)ccur i	the M	oiave	Desert	Fcolo	nical S	ection	(322	Δ)																		
Table 75 Special Status	Whalle Species known or with t	_	Status	Jecui II	T tile ivi	ojave	Deser	. ECOIO	gicai 3	ection	1 (322		WHR T	ypes v	vithin t	he Trea	itable La	andsca	pe											
Scientific Name	Common Name	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	1	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Microtus californicus scirpensis	Amargosa vole	Е	Е	Х	Х	Х					Χ		Х			Х	Χ	Χ	Χ		Х	Χ	Х	< X)	Χ	Χ	Χ	Х	36,977
Ovis canadensis nelsoni	desert bighorn sheep		FP	Χ	Х	Χ			Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X	Χ)	Χ	Χ	Χ	Χ	166,509
Ovis canadensis sierrae	Sierra Nevada bighorn sheep	Е	E FP	Х	Х	Х					Χ		Х			Χ	Х	Х	Х		Х	Х		с х)	Х	Х	Х		19,237
Perognathus longimembris pacificus	Pacific pocket mouse	Е	SC		Χ		Χ	Χ			Χ				Χ			Χ	Χ	Χ	Χ)	Χ			Χ	585
Sorex ornatus relictus	Buena Vista Lake ornate shrew	Е	SC	Х	Х	Χ	Х	Х			Χ		Х		Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	X	Χ)	Х	Х	Χ	Χ	37,547
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Х	Х	Χ	Х	Х	Х	Χ	Χ	Х	Х	Χ	Χ			Χ	Χ	Χ	Χ	Χ	Х	()	Х	Х	Χ	Χ	270,929
Xerospermophilus mohavensis	Mohave ground squirrel		Т	Х	Х	Х	Х	Х	Х	Χ	Χ		Х	Χ	Χ			Χ	Χ	Χ	Χ	χ	X :	< X)	X	Х	Χ	Х	214,940
CDFW Species of Special Concern																							1							
Antrozous pallidus	pallid bat		SC	Χ	Х	Х	Χ	Х	Х	Х	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	< X)	Х	Χ	Χ	Х	307,905
Aplodontia rufa californica	Sierra Nevada mountain beaver		SC		Х						Χ											Х)	Χ				130
Chaetodipus fallax pallidus	pallid San Diego pocket mouse		SC	Χ	Χ						Χ	Χ			Χ									()	Χ				-
Corynorhinus townsendii	Townsend's big-eared bat		SC	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х		С Х)	Х	Χ	Χ	Χ	307,905
Euderma maculatum	spotted bat		SC	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X	Χ)	Χ	Χ	Χ	Χ	307,905
Eumops perotis californicus	western mastiff bat		SC	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ			Χ	Χ	Χ	Χ	Х	Х	()	Х	Χ	Χ	Χ	268,773
Glaucomys sabrinus californicus	San Bernardino flying squirrel		SC	Χ	Χ	Χ			Χ		Χ			Χ	Χ			Χ	Χ	Χ	Χ	Х		(,	Χ		Χ		17,326
Lasiurus blossevillii	western red bat		SC		Χ		Χ	Х		Χ	Χ				Χ			Χ	Χ	Χ	Χ		Х			Χ	Χ	Χ	Χ	5,282
Lasiurus xanthinus	western yellow bat		SC		Х				Х		Χ	Χ		Χ	Χ			Χ						(,	Х		χ		3,982
Lepus townsendii townsendii	western white-tailed jackrabbit		SC	Χ	Х	Х					Χ													-)	Х				<1
Lontra canadensis sonora	southwestern river otter ²		SC	Х							Χ																			-
Macrotus californicus	California leaf-nosed bat		SC	,,							Х	Χ		Χ	Х			Χ						(-				4,275
Microtus californicus vallicola	Owens Valley vole		SC	Х	Х	Х					X		X		^	X	Х	X	Χ		Х	χ		(X	,	Х	Х	Χ	Х	36,924
Neotoma lepida intermedia	San Diego desert woodrat		SC			_ ^			Х		Х						, ,	Х	,,	Χ	^	^		`		X		Х		<1
Onychomys torridus ramona	southern grasshopper mouse		SC	X	Х	Х					X							Х		^			χ			X	-+			-
Onychomys torridus tularensis	Tulare grasshopper mouse		SC	X	X						X							^					X	+	+ '	-	\longrightarrow			-
Perognathus alticola alticola	white-eared pocket mouse		SC	^	X	Х			Х		X	Х		Χ	Χ			Х	Х		Χ			(+,	Х	-+	Х	\vdash	3,866
Perognathus alticola inexpectatus	Tehachapi pocket mouse		SC	Х	X		Х	1	^	Х	X			Х	Х			Χ	Λ.	Χ	^	Χ	X	`		X	-+	Х	\vdash	21,245
Sigmodon arizonae plenus	Colorado River cotton rat		SC	٨	X		^	+	-	^	X			^	٨			٨		٨		۸	Λ χ	-	+ '	^	\rightarrow		\vdash	∠ 1,∠ + J
Strix occidentalis occidentalis	California spotted owl		SC		X	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Х	^ Х	Х	٠,	Х	Х	Х	Х	8,866
Taxidea taxus	American badger		SC	Х	X	X	X	X	X	X	X	^ 	X	Х	Х	X	X	Χ	Х	Х	^ V	X	Λ .	\ X			X	X	Х	307,905
Reptiles	American bauger		JC	^	^		^	^	^	^	^		٨		٨	٨	٨	^	^	^	٨	^	^	\		^	^	^	^	כטפווטכ
Federal and State Listed/CDFW Fully Prote	cted																													
Gopherus agassizii	desert tortoise	Т	т	Y	Y	X	У	Y	Y	γ	Х	У	У	χ	Х	У	У	Υ	Х	χ	γ	χΙ	x I	/ V	Τ,	x T	Х	У	Х	276,059
CDFW Species of Special Concern	desert tortoise	1 '		^						^	٨		٨		٨	٨	^	٨	٨	Λ	Λ	٨	Λ .	` ^		^	^	^		210,033
Anniella sp.	California legless lizard		SC							Х												T				$\overline{}$	$\overline{}$			<1
Arizona elegans occidentalis	,		SC		v	-		1		^	Χ				Χ			Χ						-	+ ,	Х	-+		\vdash	<1
Anzona elegans occidentalis	California glossy snake		2C		X				<u> </u>		٨	j			٨			٨							,	^			<u>i</u>	<u> </u>

Table 7b Special-Status	s Wildlife Species Known or with	Potent	ial to C	Occur ii	n the M	lojave	Desert	Ecolo	gical S	ectio	n (322	A)												,						
		Listing	Status									(CWHR T	ypes v	within 1	the Trea	atable L	andsca	ре											
Scientific Name	Common Name	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	n-Jun	Ponderosa Pine	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Aspidoscelis tigris stejnegeri	coastal whiptail		SC		Χ	Х	Х	Х	Χ	Χ			Χ	Χ	Χ			Χ	Χ	Х				Х		Χ		Χ	Х	<1
Crotalus ruber	red-diamond rattlesnake		SC								Χ	Χ		Χ	Χ	Χ														70
Elgaria panamintina	Panamint alligator lizard		SC	Х							Χ																	Χ		<1
Emys marmorata	western pond turtle ²		SC	Х	Χ	Χ	Х	Х	Χ	Χ	Χ			Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Х	144,629
Phrynosoma blainvillii	coast horned lizard		SC	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Х	169,680
Salvadora hexalepis virgultea	coast patch-nosed snake		SC	Х	Х	Х	Х	Х	Χ		Χ			Χ	Χ			Χ	Х	Х	Χ	Х		Х		Χ	Χ	Χ	Х	2,765
Thamnophis hammondii	two-striped gartersnake ²		SC		Х	Х	Х	Х	Χ		Χ			Χ	Χ	Χ	Х	Χ	Х	Х		Х		Х		Χ	Χ		Х	6,944
Uma scoparia	Mojave fringe-toed lizard		SC	Х	Χ	Х			Χ		Χ	Χ		Χ	Χ	Χ	Х	Χ	Х	Χ		Χ		Χ		Χ		Χ	Х	186,609

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 treatable, appropriate CWHR habitat types were determined by a qualified ecologist and total acreage of potential habitat within the treatable

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 8a Special-Status Pla	nt Species Known or wit	h Potent	ial to O	ccur in the	e Mono Ecological Section (341D) within the Treatable Landscape
Special Status Fla	nt opecies known or with		isting Sta		- Mono Leological Section (5 115) Within the freutable Eunascape
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Federal and State Listed				1	
Astragalus johannis-howellii	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.
Astragalus lentiginosus var. piscinensis	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.
Ivesia webberi	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.
Sidalcea covillei	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					
Aliciella triodon	coyote gilia			2B.2	Great Basin scrub, pinyon-juniper woodland. 2001 to 5577 ft in elevation. Blooms April-June.
Allium atrorubens var. atrorubens	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.
Astragalus argophyllus var. argophyllus	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.
Astragalus lemmonii	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).
Astragalus oophorus var. lavinii	Lavin's milk-vetch			1B.2	Great Basin scrub, pinyon and juniper woodland. Dry, open areas. 8038 to 10007 ft in elevation. Blooms June.
Astragalus platytropis	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.
Astragalus pseudiodanthus	Tonopah milk-vetch			1B.2	Great Basin scrub. Stabilized dunes and sandy flats, often with Sarcobatus baileyi and Hilaria jamesii. 6660 to 6808 ft in elevation. Blooms May-June.
Astragalus pulsiferae var. pulsiferae	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).
Astragalus serenoi var. shockleyi	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.
Atriplex gardneri var. falcata	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.
Atriplex pusilla	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.
Blepharidachne kingii	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.
Boechera bodiensis	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).
Boechera cobrensis	Masonic rockcress			2B.3	Great Basin scrub, pinyon and juniper woodland. Usually sandy soils. 4429 to 11155 ft in elevation. Blooms June-July.
Boechera dispar	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.
Botrychium lunaria	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.
Calochortus excavatus	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.
Carex scirpoidea ssp. pseudoscirpoidea	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.
Chaetadelpha wheeleri	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.
Crepis runcinata	fiddleleaf hawksbeard			2B.2	Desert dunes, Great Basin scrub, Mojavean desert scrub. Sandy sites. 2543 to 4806 ft in elevation. Blooms April-September.
Cryptantha fendleri	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.
Cusickiella quadricostata	Bodie Hills cusickiella			1B.2	Great Basin scrub. 6398 to 7251 ft in elevation. Blooms June-July.
Cymopterus globosus	globose cymopterus			2B.2	Great Basin scrub. Sandy, open flats. 3937 to 7005 ft in elevation. Blooms March-June.
Draba incrassata	Sweetwater Mountains draba			1B.3	Great Basin scrub. Sandy, open flats. 3937 to 7005 ft in elevation. Blooms March-June.
Elymus scribneri	Scribner's wheat grass			2B.3	Alpine boulder and rock field. On rocky slopes. 9514 to 13780 ft in elevation. Blooms July-August.
Eremothera boothii ssp. boothii	Booth's evening-primrose			2B.3	Joshua tree woodland, pinyon and juniper woodland. 951 to 7907 ft in elevation. Blooms April-September.
Eremothera boothii ssp. intermedia	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.
Erigeron eatonii var. nevadincola	Nevada daisy			2B.3	Great Basin scrub, pinyon and juniper woodland. Sandy sites. 2887 to 8809 ft in elevation. Blooms (May), June.

Scientific Name Common Name Federal State College Description Description in Common Name Federal State College Description D	Table 0a Consist Chattan Dia		- D-44	. ما د		Maria Farlacial Continu (2MD) within the Treatable Landscome
Scientific Name Common Name Anneale: Incodence Anneale: Incoden	Table 8a Special-Status Pla	nt Species Known or with				e Mono Ecological Section (341D) within the Treatable Landscape
Feligran mutant var. Auran Light of the Common Common Common May July Englagment and the Common Common May July Englagment Aurana Common Common May July Englagment Aurana Common Common May July Englagment Aurana Common Common May July Englagment Aurana Common Common Common May July Englagment Aurana Common Common Common May July Englagment Aurana Common Co	Scientific Name	Common Name		J	California Rare Plant	Habitat Desription
Filippour natures or name Dough will standarded 1 131 Gent Bish seach, the deeped cans. Sorting or question at an office at yourse, 400 to 980 Bit in eventor, 300m Mys operation (Cocher) Fighter or name or care following selection and the control of the cont	Eriogonum alexanderae	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.
Epithonia du autoreus Commissione processor processor and the processor processor and the play was ACC to SMM in decision (Section 11) (Injection du autoreus Printing for the marks Are contrage from the processor and the proc	Eriogonum microthecum var. schoolcraftii	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.
Extractive thermals The control of the control of	Eriogonum nutans var. nutans	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).
Finding the Pervalls And Control of Control	Erythranthe carsonensis	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).
Syreis gards Amutan manung pass Amutan Manung manung manung manung manung manung manung manung kent interprise fir37 to 885 fit in elevation. Blooms Aure August. Herbeits militarious manung Interduce of Station Manung manu	Erythranthe utahensis	Utah monkeyflower			2B.1	Meadows and seeps, pinyon and juniper woodland. 2001 to 6398 ft in elevation. Blooms April.
Hebdulm Mandowi Hebdulm Mandow	Fimbristylis thermalis	hot springs fimbristylis			2B.2	Meadows and seeps (alkaline). Near hot springs. 377 to 5200 ft in elevation. Blooms July-September.
Hyperappsas difficials van natus inter-collade 2.8.2 3 Figur-justiper recordant dustipine conference forcers. Limitations, 4021 to 10007 fit in elevation. Blooms May-August. Kozesia in possurades eep kobersia 2.8.2 Alatii pulgu. Mendorades and seeps, Cisest Besin strutt, Julyan. Allaniar mendora, alkaline flasts, and low-lying alkaline besins; w/ Distribut, Spondbouts, Juncus, etc. 3937 to 6988 fit in elevation. Blooms May-August. Interinging squarrous we manniferation Jama-Bewerd sturf-pea Liadinshi besins with a super-training or manniferation of the fit intering squarrous we manniferation Jama-Bewerd sturf-pea Liadinshi besins with a super-training or manniferation of the fit intering squarrous we manniferation. More label busine More label busine Intering squarrous we manniferation More label busine Intering squarrous we manniferation More label busine Intering squarrous we manniferation Intering squarrous we manniferation More label busine Intering squarrous we manniferation More label busine Intering squarrous we manniferation ntering sturf structure intering sturf structure conference forcers forcers forcers and structure conference forcers forcers forcers forcers and structure conference forcers	Glyceria grandis	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.
Seels kingil seels kingil seels seeps chereal seels seeps (seel Basin scrub, playas, Akaline meedous, alkaine fast, and low-lying alkaine basins; wo Districtilis, Sporoboux, Junous, etc. 3337 to 6988 ft in elevation. Blooms May-August. Whotesia improveding seeps seed from in a naipe and subalapine meadous can be on implement and subalapine meadous and pages. Believe seed of collinoid in an aligned and subalapine meadous and pages. Believe seed for immigration and counter of California, on alique aligna 3388 for 6697 in elevation. Blooms May-August. Defining a suprans durant on seed for California on allowal plans 3388 for 6697 in elevation. Blooms Appl. August purpose durant on the collinoid plans and seed for the co	Helodium blandowii	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.
Southersia myouroides Leadarnia bracelatia Lordonia Surveiluta Lordon	Hymenopappus filifolius var. nanus	little cutleaf			2B.3	Pinyon-juniper woodland, subalpine coniferous forest. Limestone. 4921 to 10007 ft in elevation. Blooms May-September.
Luciensi funcionale Luciensi	Ivesia kingii var. kingii	alkali ivesia			2B.2	Alkali playa. Meadows and seeps, Great Basin scrub, playas. Alkaline meadows, alkaline flats, and low-lying alkaline basins; w/ Distichlis, Sporobolus, Juncus, etc. 3937 to 6988 ft in elevation. Blooms May-August.
Loefingia squamosa var arternisiarum segebrush berilingia (28.2 Great Basin scrub, Sonoran desert scrub, desert dunes. Sandy areas around clay slicks w/Sarcobatus, Atriplex, Tetradymia, etc. 2297 to 5299 ft in elevation. Blooms Agnil-May. Uppriss publiss var internomanus inter	Kobresia myosuroides	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.
Lupinus duranii Mono Lake lupine 182 Geret Basin scrub, subalpine conferous forest, upper montane conferous forest. Purnice sand flats, coarse barren soils of volcanic origin, 2493 to 10007 ft in elevation. Blooms May-August. Lupinus publics var. intermontanus interm	Ladeania lanceolata	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.
Lupinus duranii Mono Lake lupine 182 Geret Basin scrub, subalpine conferous forest, upper montane conferous forest. Purnice sand flats, coarse barren soils of volcanic origin, 2493 to 10007 ft in elevation. Blooms May-August. Lupinus publics var. intermontanus interm	Loeflingia squarrosa var. artemisiarum	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.
Lupinus pusillus var. Intermontanus intermontanus intermontanue lupine 28.3 Great Basin scrub. Sandy sols. 3888 to 6759 ft in elevation. Blooms May-June. Mentzela torney for Torry's blazing star 2.2.2 Great Basin scrub. Migliveran deserva scrub, pilyony-juniper woodland. Sandy or rody sites, alkaline usually volcanic soils, 3839 to 9301 ft in elevation. Blooms Nav-August. Orbanche ludoviciana var. arenosa Suksdoof's broom-rape 2.8.3 Great Basin scrub. A413 to 6480 ft in elevation. Blooms May-August. Orbanche ludoviciana var. arenosa Suksdoof's broom-rape 2.8.3 Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October). Oryctes neadensis Newado syrcies 2.8.1 Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October). Oryctes neadensis Newado syrcies 2.8.1 Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October). Oryctes neadensis Newado syrcies 2.8.1 Great Basin scrub, schalpine conference for the levation. Blooms June-September (October). Oryctes neadensis Newado syrcies 2.8.1 Great Basin scrub, schalpine conference for 1904 ft in elevation. Blooms surse-September (October). Oryctes neadensis Newado syrcies 2.8.2 Meadows and seeps. New streams in wet meadows. 6890 to 7546 ft in elevation. Blooms Inne-July. Phacela in yours in the service of the service of 1904 ft in elevation. Blooms June-July. Phacela in yours in phacela Innoversity of the service of 1904 ft in elevation. Blooms June-July. Phacela in yours in the service of 1904 ft in elevation. Blooms June-July (August). Phacela in yours in the service of 1904 ft in elevation. Blooms Agri-June (August). Phacela in yours in the service of 1904 ft in elevation. Blooms June-July (August). Phacela in yours in the service of 1904 ft in elevation. Blooms June-July (August). Physical publication of 1904 ft in elevation. Blooms June-July (August). Physical publication of 1904 ft in elevation. Blooms June-July (August). Physical publication of 1904 ft in elevation. Blooms June-July (A	Lupinus duranii	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.
Merzononolepis pusalla divarf mondepis 28.2 Great Basin scrub, Mojavean desert scrub, pinyon-juniper voodland. Sandy or rocky stes, alkaline, usually volcanic soils, 3839 to 9301 ft in elevation. Blooms June-August. Micromonolepis pusalla divarf mondepis 28.3 Great Basin scrub. Alkaline sites, openings. 4446 to 7201 ft in elevation. Blooms May-August. Orycles nevadensis Nevada orycles 28.1 Great Basin scrub. Alkaline sites, openings. 4446 to 7201 ft in elevation. Blooms May-August. Orycles nevadensis Nevada orycles 28.1 Great Basin scrub, subalpine conferous forest. upper montane coniferous forest. Purnice sand flats, coanse barnen soils of volcanic origin, 2493 to 10007 ft in elevation. Blooms May-August. Peralecidaris consultat scalloped-leaved lousewort 28.2 Meadows and seeps. New streams in wet meadows. 6890 to 7546 ft in elevation. Blooms August. September. Pelacidaris consultat scalloped-leaved lousewort 28.2 Meadows and seeps. New streams in wet meadows. 6890 to 7546 ft in elevation. Blooms August. September. Phacelia inyopensis Inpo phacelia 18.2 Meadows and seeps. New streams in wet meadows. 3002 to 10499 ft in elevation. Blooms June-July. Phacelia monoensis Mono County phacelia 18.1 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. Physical involved in intermountain milkwort 28.1 Great Basin scrub, pinyon and juniper woodland. Alkaline mountain meadows in clay soils; also roadsides. 6988 to 9498 ft in elevation. Blooms May-July. Physical involved intermountain milkwort 28.1 Great Basin scrub, pinyon and juniper woodland. Alkaline soils; mesi; stes. 246 to 10439 ft in elevation. Blooms March-June (November). Playladis intermountain milkwort 28.1 Finyon and juniper woodland. Alkaline soils; mesi; stes. 246 to 10439 ft in elevation. Blooms March-June (November). Polygulas intermountain milkwort 28.2 Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms Jun	Lupinus pusillus var. intermontanus	intermontane lupine			2B.3	
Micromonolepis pusilla divarf monolepis de Suksdorf's broom-rape 28.3 Great Basin scrub. Alkaline sites, openings, 4446 to 7201 ft in elevation. Blooms May-August. Orobanche Judoviciana var arenosa Suksdorf's broom-rape 28.1 Great Basin scrub. Avail 10 GRAD ft in elevation. Blooms June-September (Cyctober). Parnassia parniflora small-flowered grass-of-Parnassus 28.1 Great Basin scrub. Subsipine coniferous forest, upper monitane coniferous forest. Pumice sand flats, coarse barren soils of volcanic origin. 2493 to 10007 ft in elevation. Blooms May-August. Pedicularis crenulata scalloped-leaved lousewort 28.2 Meadows and seeps. Wea treas, rocky seeps, 6594 to 9104 ft in elevation. Blooms August. September. Pedicularis crenulata naked-stemmed phacelia 28.3 Chenopod scrub, Great Basin scrub, buryon-juniper woodland. Graveliy or day soils. 4003 to 366 ft in elevation. Blooms August. September. Phacelia improns hume-budy. Phacelia improns hume-budy phacelia 18.2 Meadows and seeps. Naear streams in wet meadows. 6890 to 7546 ft in elevation. Blooms June-July. Phacelia improns hypopacia 18.2 Meadows and seeps. Alkaline meadows. 2002 to 10499 ft in elevation. Blooms June-July. Phacelia improns hypopacia 18.2 Meadows and seeps. Alkaline meadows. 2002 to 10499 ft in elevation. Blooms May-July. Blooms April-June (August). Physical proposal hypopacia 18.2 Meadows and seeps. Alkaline meadows. 2002 to 10499 ft in elevation. Blooms June-July. Physical proposal phace of the elevation of the elevation blooms June-July. Physical proposal phace of the elevation of the elevation blooms June-July. Physical proposal phace of the elevation of the elevation blooms June-July. Physical proposal phace of the elevation blooms June-July. Physical proposal phace of the elevation blooms June-July. Physical proposal phace of the elevation blooms June-July. Physical proposal phace of the elevation blooms June-July. Physical proposal phace of the elevation blooms June-July. Physical proposal phace of the elevation blooms June-Jul		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.
Oryctes nevadensis Nevada oryctes small-flowered grass-of-Parnassus scalloped-leaved louseword 28.2 Meadows and seeps. Net areas, rocky seeps, 6594 to 9104 fin elevation. Blooms August-September. Meadows and seeps. Net areas, rocky seeps, 6594 to 9104 fin elevation. Blooms August-September. Meadows and seeps. Net areas, rocky seeps, 6594 to 9104 fin elevation. Blooms August-September. Meadows and seeps. Net areas, rocky seeps, 6594 to 9104 fin elevation. Blooms August-September. Meadows and seeps. Net areas rocky seeps, 6594 to 9104 fin elevation. Blooms August-September. Meadows and seeps. Net areas rocky seeps, 6594 to 9104 fin elevation. Blooms April-June (August). Meadows and seeps. Net areas rocky seeps, 6594 to 9104 fin elevation. Blooms April-June (August). Meadows and seeps. Net areas rocky seeps, 6594 to 9104 fin elevation. Blooms April-June (August). Meadows and seeps. Net areas rocky seeps, 6594 to 9104 fin elevation. Blooms April-June (August). Meadows and seeps. Net areas rocky seeps, 6594 to 9104 fin elevation. Blooms April-June (August). Meadows and seeps. Net areas rocky seeps. 6594 to 9104 fin elevation. Blooms April-June (August). Meadows and seeps. Net areas rocky seeps. 6594 to 9104 fin elevation. Blooms April-June (August). Meadows and seeps. Net areas rocky seeps. 6594 to 9104 fin elevation. Blooms April-June (August). Meadows and seeps. Alkalian meadows. 3002 to 10499 fin elevation. Blooms April-Juny. Meadows and seeps. Alkalian meadows. 3002 to 10499 fin elevation. Blooms April-Juny. Meadows and seeps. Alkalian elevation. Blooms April-Juny (Noteber). Phacetia innocentia. Meadows and seeps. Alkalian elevation. Blooms April-Juny (Noteber). Meadows and seeps. Alkalian elevation. Blooms April-Juny (Noteber). Meadows and seeps. Alkalian ele	Micromonolepis pusilla				2B.3	
Oryctes nevadensis Nevada oryctes Small-flowered grass-of-Parnassus Small-	Orobanche ludoviciana var. arenosa	Suksdorf's broom-rape			2B.3	Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October).
Parassis parviflora small-flowered grass-of-Parassus 528.2 Meadows and seeps. Wet areas, rocky seeps. 6594 to 9104 ft in elevation. Blooms August-September. Pedicilaris crevulata 528.2 Meadows and seeps. Near streams in wet meadows. 6890 to 7546 ft in elevation. Blooms June-July. Phacelia gymnoclada naked-stemmed phacelia 28.3 Chenopod scrub, Great Basin scrub, pinyon-juniper woodland. Gravelly or clay soils. 4003 to 8366 ft in elevation. Blooms April-June (August). Phacelia imponensis Inpoparation Mono Country phacelia 18.1 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. Physocarpus alternans Nevada ninebark 28.3 Pinyon and juniper woodland. Limestone soils, rocky sites, 6234 to 9810 ft in elevation. Blooms June-July. Plagiobothys parishi Parish's popcornflower 18.1 Great Basin scrub, pinyon and juniper woodland. Alkaline soils, meis cites, 2461 to 4938 ft in elevation. Blooms June-July. Polygala intermontana intermountain milkwort 28.1 Pinyon and juniper woodland. 3084 to 10105 ft in elevation. Blooms March-June (November). Polygala subspinosa spiny milkwort 28.2 Great Basin scrub, pinyon and juniper woodland. Volcanic measa, gravelly soils, often in sagebrush scrub. 4167 to 5594 ft in elevation. Blooms May-August. Polamogetron zosteriformis ee-di-grass pondwed 28.2 Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July. Rumex venosus winged dock 28.3 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. Sabulina stricta bog sandwort 28.3 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 May-June. Sheeromeira potentilicides var. nitrophila salkali tansy-sage 28.2 Alkali playa, wetdand. Meadows and seeps, alpine boul	Oryctes nevadensis	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.
Pedicularis crenulata scalloped-leaved lousewort 28.2 Meadows and seeps. Near streams in wet meadows, 6890 to 7546 ft in elevation. Blooms June-July. Phacelia grynnoclada naked-stemmed phacelia 28.3 Chenopod srrub, Great Basin scrub, pinyon-juniper woodland. Gravelly or clay soils, 4003 to 8366 ft in elevation. Blooms April-June (August). Phacelia impoensis Inyo phacelia 18.1 Meadows and seeps. Alkaline meadows 2002 to 10499 ft in elevation. Blooms April-June (August). Physocarpus alternans Nevada ninebark 28.3 Pinyon and juniper woodland. Ridgetops in alkaline mountain meadows in clay soils; also roadsides. 6988 to 9498 ft in elevation. Blooms May-July. Plagiobothrys parishii Parish popcomflower 18.1 Great Basin scrub, pinyon and juniper woodland. Alkaline soils; rocky sites. 6224 to 9810 ft in elevation. Blooms June-July. Polygala intermontana intermountain milkwort 28.1 Pinyon and juniper woodland. Alkaline soils; mesic sites. 2461 to 4593 ft in elevation. Blooms March-June (November). Polygala subspinosa spin milkwort 28.2 Great Basin scrub, Joshua tree woodland. Alkaline soils; mesic sites. 2461 to 4593 ft in elevation. Blooms March-June (November). Polygala subspinosa spin milkwort 28.2 Great Basin scrub, binyon and juniper woodland. Volcaric mesas, gravelly soils; often in sagebrush scrub. 4167 to 5594 ft in elevation. Blooms May-August. Polygala subspinosa spin milkwort 28.3 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. Sabulina stricta bog andwort 28.3 Meadows and seeps, alpine boulder and rock field, alpine dwarf scrub. Moist, grantic gravelly sites in sedge meadows and other alpine habitats. 8005 to 12992 ft in elevation. Blooms Juny-July. Streptanthus Olganthus 4sender Java degrass 28.2 Girantane woodland, Volcaric or decomposed grante soils, along roadsides and in old mine dumps. 6495 to 10007 ft in elevation. Blooms April-July. Pryon and juniper woodland, Volcaric mesas, gra		· · · · · · · · · · · · · · · · · · ·			2B.2	
Phacelia gymnoclada naked-stemmed phacelia la 28.3 Chenopod scrub, Great Basin scrub, pinyon-juniper woodland. Gravelly or day soils, 4003 to 8366 ft in elevation. Blooms April-June (August). Phacelia inyoensis Inyo phacelia la 18.2 Meadows and seeps. Alkaline meadows. 3002 to 10499 ft in elevation. Blooms April-August. Phacelia inyoensis Mono County phacelia la 18.1 Great Basin scrub, pinyon and juniper woodland. Ridgetops in alkaline mountain meadows in day soils, also roadsides. 6988 to 9498 ft in elevation. Blooms May-July. Physocarpus alternans Nevada ninebark 28.3 Pinyon and juniper woodland. Limestone soils, rocky sites. 6234 to 9810 ft in elevation. Blooms March-June (November). Polygala intermontana intermountain milkwort 28.1 Pinyon and juniper woodland. Alkaline soils; mesis cites. 2461 to 4593 ft in elevation. Blooms March-June (November). Polygala subspinosa spiny milkwort 28.2 Great Basin scrub, pinyon and juniper woodland. Volcanic mesas, gravelly soils; often in sagebrush scrub. 4167 to 5594 ft in elevation. Blooms May-August. Potamogeton zosteriformis eel-grass pondweed 28.2 Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July. Rumes venosus winged dock 28.3 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. Sabulina stricta 50g sandwort 28.3 Meadows and seeps, alpine boulder and rock field, alpine dwarf scrub. Moist, granitic gravely sites in sedge meadows and other alpine habitats. 8005 to 12992 ft in elevation. Blooms June-July. Spheromeria potentilloides var. nitrophila alkali tansy-sage 28.2 Alkali playa, wetland. Meadows and seeps, Depa moist sites, along rivers and springs, alkaline desert seeps. 984 to 6562 ft in elevation. Blooms June-July. Streptanthus oliganthus 68ert-leaved pondweed 28.2 Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July.	'	-				
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Polygala subspinosa 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. Potamogeton zosteriformis eel-grass pondweed 2B.2 Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July. Rumex venosus 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. Sabulina stricta 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. Sphaeromeria potentilloides var. nitrophila alkali tansy-sage 2B.2 Alkali playa, wetland. Meadows and seeps, playas. Usually alkaline soils. 6480 to 7201 ft in elevation. Blooms June-July. Sphenopholis obtusata 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. Streptanthus oliganthus 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. Stuckenia filiformis 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.		<u> </u>				
Potamogeton zosteriformis eel-grass pondweed 2B.2 Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July. Rumex venosus 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. Sabulina stricta 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. Sphaeromeria potentiilloides var. nitrophila alkali tansy-sage 2B.2 Alkali playa, wetland. Meadows and seeps, playas. Usually alkaline soils. 6480 to 7201 ft in elevation. Blooms June-July. Sphenopholis obtusata 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. Streptanthus oliganthus 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. Stuckenia filiformis 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.						
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Sabulina stricta 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. Sphaeromeria potentilloides var. nitrophila alkali tansy-sage 2B.2 Alkali playa, wetland. Meadows and seeps, playas. Usually alkaline soils. 6480 to 7201 ft in elevation. Blooms June-July. Sphenopholis obtusata 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. Streptanthus oliganthus 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. Stuckenia filiformis 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.		<u> </u>				
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	<u> </u>	†				
שביבות טיבות ביות ביות ביות ביות ביות ביות ביות	Suaeda occidentalis	western seablite			2B.3	Great Basin scrub. Alkaline soils; mesic sites. 3986 to 4413 ft in elevation. Blooms July-September.

			isting Sta	atus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Tetradymia tetrameres	dune horsebrush			2B.2	Great Basin scrub. Sandy soils. 3937 to 7005 ft in elevation. Blooms (July), Aug.
Thelypodium integrifolium ssp. complanatum	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.
Thelypodium milleflorum	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.
Townsendia condensata	cushion townsendia			2B.3	Alpine boulder and rock field, subalpine coniferous forest. Gravelly sites. 9400 to 12057 ft in elevation. Blooms July-August.
Triglochin palustris	marsh arrow-grass			2B.3	Meadows and seeps, freshwater marsh, subalpine coniferous forest. Mesic sites. 7497 to 12139 ft in elevation. Blooms July-August.
Viola purpurea ssp. aurea	golden violet			2B.2	Great Basin scrub, pinyon-juniper woodland. Dry, sandy slopes. 3281 to 8202 ft in elevation. Blooms April-June.

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)

Table 8b Special-Status	Wildlife Species Known or with			Occur ii	n the M	lono E	cologic	al Sec	tion (·			
		Listing	Status							CW	HR Typ	es with	in the T	reatab	le Land	dscape									
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																									
Federal and State Listed/CDFW Fully Prote	ected																								
Anaxyrus canorus	Yosemite toad	T	SC				Χ					Х									Χ				14
Rana sierrae	Sierra Nevada yellow-legged frog ²	E	T		Х	Χ	Х	Χ	Χ	Х		Х			Χ		Χ	Χ	Χ	Х	Χ	Χ			5,799
CDFW Species of Special Concern																									
Lithobates pipiens	northern leopard frog ²		SC	Χ	Х	Х	Х	Χ	Х	Х	Χ		Х	Х	Χ		Χ	Х	Х	Х	Χ	Χ			59,148
Birds																									
Federal and State Listed/CDFW Fully Prote	ected																								
Antigone canadensis tabida	greater sandhill crane		T FP		Х		Х		Х		Χ		Х		Х	Χ	Х	Χ			Х				30,072
Aquila chrysaetos	golden eagle		FP	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	188,748
Buteo swainsoni	Swainson's hawk		T	Χ	Χ	Х	Χ	Х	Χ		Х		Χ	Χ	Χ	Х	Х	Х	Χ	Х	Χ				102,424
Charadrius alexandrinus nivosus	western snowy plover ²	Т		Χ	Χ	Х	Χ	Х	Χ				Χ				Х	Х	Χ	Х	Χ				21,693
Coccyzus americanus occidentalis	western yellow-billed cuckoo	T	Е	Χ	Χ		Χ	Х										Х			Χ				8,571
Empidonax traillii	willow flycatcher		Е	Χ	Χ	Χ	Х	Х	Χ	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	31,920
Empidonax traillii extimus	southwestern willow flycatcher	Е	Е	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	146,934
Falco peregrinus anatum	American peregrine falcon		FP	Χ	Χ	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	188,748
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	158,676
Passerculus sandwichensis beldingi	Belding's savannah sparrow		Е	Χ	Χ	Χ	Х	Х	Χ					Х				Χ	Χ	Х	Χ				52,450
Riparia riparia	bank swallow		T	Χ	Х	Х	Х	Х	Χ				Х		Х		Х	Χ	Χ	Х	Χ				42,842
Strix nebulosa	great gray owl		E		Х		Х		Χ				Х		Х	Χ	Х				Χ				4
CDFW Species of Special Concern							•	•					•								•	•			
Accipiter gentilis	northern goshawk		SC	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х		Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Χ	47,681
Asio flammeus	short-eared owl		SC	Χ	Х	Х	Х	Х	Χ		Χ	Х	Х	Х	Х	Χ	Χ	Х	Χ	Х	Х	Χ	Х	Χ	144,315
Asio otus	long-eared owl		SC	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	188,748
Athene cunicularia	burrowing owl		SC	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Χ	Х	Χ	188,748
Aythya americana	redhead ²		SC	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х		Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	142,919
Centrocercus urophasianus	greater sage-grouse		SC	Χ	Х	Х	Х	Х	Χ	Х	Χ	Х	Х		Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	136,514
Chaetura vauxi	Vaux's swift		SC		Х										Х	Χ	Χ				Χ				<1
Chlidonias niger	black tern ²		SC		Х		Х		Х		Χ		Х		Χ	Χ	Χ	Х			Х				30,072
Circus hudsonius	northern harrier		SC	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Х	Χ	174,523
Contopus cooperi	olive-sided flycatcher		SC	Χ	Х	Х	Х	Х	Х	Х		Х	Х		Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	323
Coturnicops noveboracensis	yellow rail ²		SC		Х	Х												Х	Х	Х	Х				-
Cypseloides niger	black swift		SC		Х		Х		Χ	Х			Х		Х		Χ	Х	X	Х	Х	Χ			7,255
Dendragapus fuliginosus howardi	Mount Pinos sooty grouse		SC	Х	Х	Х	Х	Х					<u> </u>					Х	<u> </u>	† · ·	Х	 			<1
Denui agapus iuliginosus nowarui	Infount Finos sooty grouse		JC	۸	٨	٨	٨	٨				<u> </u>					l	Λ			٨				<u> </u>

Table 8b Special-Statu	s Wildlife Species Known or with I			Occur i	n the N	lono E	cologi	cal Sec	tion (UID T	**1	د دام دا	Tuestal	ala I a	da a s									
		Listing	Status			Ì				CW	ик тур	oes with	in the	l reatal	ole Land	dscape		Ì							-
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Icteria virens	yellow-breasted chat		SC	Χ	Χ	Х	Х	Х						Х				Χ	Х		Х				40,175
Ixobrychus exilis	least bittern ²		SC	Х			Х	Χ										Χ			Х				20
Lanius ludovicianus	loggerhead shrike		SC	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	188,442
Pelecanus erythrorhynchos	American white pelican ²		SC	Χ	χ	Х	Χ	Χ	Χ		Χ		Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х				93,876
Piranga rubra	summer tanager		SC	Χ	Χ		Χ											Χ							688
Progne subis	purple martin		SC		Χ										Х	Χ	Χ				Х				<1
Setophaga petechia	yellow warbler		SC	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	188,748
Toxostoma lecontei	Le Conte's thrasher		SC	Χ	Χ	Х	Х	Χ						Х				Χ	Χ	Χ	Χ				53,207
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Χ	χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	188,442
Invertebrates	V																								
Federal and State Listed/CDFW Fully Prot	tected																								
Ambrysus funebris	Nevares Spring naucorid bug (=Furnace Creek) ²	2 C		Х	Χ	Х	Х	Х						Χ				Χ	Χ		Х		Χ		42,281
Bombus crotchii	Crotch bumble bee ²		С		Χ	Х												Χ							941
Bombus occidentalis occidentalis	western bumble bee ²		С		Χ	Х			Χ	Х		Х				Χ	Χ	Χ	Х						4,975
Monadenia infumata setosa	Trinity bristle snail		T	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	188,693
Pseudocopaeodes eunus obscurus	Carson wandering skipper	Е			Χ										Χ	Χ		Χ			Χ				5,205
Speyeria callippe callippe	callippe silverspot butterfly	Е		Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	188,693
Mammals																									
Federal and State Listed/CDFW Fully Prot	tected																								
Bassariscus astutus	ringtail		FP	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	172,825
Gulo gulo	California wolverine	С	T FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	38,592
Microtus californicus scirpensis	Amargosa vole	Е	E	Χ	Χ	Х	Х	Χ						Х				Χ	Х		Х		Χ		42,281
Ovis canadensis nelsoni	desert bighorn sheep		FP	Χ	Χ	Х	Х	Χ	Χ		Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	148,798
Ovis canadensis sierrae	Sierra Nevada bighorn sheep	Е	E FP	Х	Х	Х	Х	Х	Х	Х	Χ	Х		Х	Χ	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	37,873
Pekania pennant	fisher-West Coast DPS		T SC		Х	Х	Х		Х	Х			Х		Х	Χ	Х	Χ		Х	Х	Х	Х	Χ	583
Sorex ornatus relictus	Buena Vista Lake ornate shrew	Е	SC	Х	Χ	Х	Χ	Х	Χ	Х	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	188,693
CDFW Species of Special Concern			·											·											
Antrozous pallidus	pallid bat		SC	Χ	Χ	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	188,748
Aplodontia rufa californica	Sierra Nevada mountain beaver		SC	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	64,674
Brachylagus idahoensis	pygmy rabbit		SC	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	108,747
Corynorhinus townsendii	Townsend's big-eared bat		SC	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	188,208
Euderma maculatum	spotted bat		SC	Χ	Χ	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	188,748
Lepus americanus tahoensis	Sierra Nevada snowshoe hare		SC	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ			13,194

Table 8b Special-Statu	s Wildlife Species Known or with	Potent	ial to (Occur i	n the N	/lono E	cologi	cal Sec	tion (341D)															
		Listing	Status				,			CW	/HR Typ	es with	nin the 1	reatab	le Lan	dscape									
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Lepus townsendii townsendii	western white-tailed jackrabbit		SC	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	187,779
Microtus californicus vallicola	Owens Valley vole		SC	Χ	Х	Χ	Χ	Χ										Χ	Χ	Χ	Χ			i	48,174
Sorex lyelli	Mount Lyell shrew		SC	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	54,273
Taxidea taxus	American badger		SC	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	188,748
Reptiles																									
CDFW Species of Special Concern																									
Emys mormorata	western pond turtle ²		SC		Х	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Χ			Х	Χ	Χ	Χ	Χ	Χ	Χ		164,066
Elgaria panamintina	Panamint alligator lizard		SC	X	Х		X	Χ					Χ	Χ	Χ	Χ	Χ		Χ	Χ				1	178,636

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 9a Special-Sta	tus Plant Species Known	or with [Ootonti	al to Occ	ur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape
Table 3a Special-3ta	tas Flant Species Known C		sting Sta		ar in the Northern Camornia Coast Ecological Section (2037) within the Treatable Landscape
Scientific Name	Common Name	Federal	3	California Rare Plant Rank	Habitat Desription
Federal and State Listed					
Alopecurus aequalis var. sonomensis	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.
Arabis mcdonaldiana	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.
Arctostaphylos bakeri ssp. bakeri	Baker's manzanita		R		Broadleafed upland forest, chaparral. Entire species State-listed Rare. Often on serpentine. This is the State-listed Rare taxon, also known as A. bakeri in Title 14. 246 to 755 ft in elevation. Blooms February-April.
Arctostaphylos bakeri ssp. sublaevis	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.
Astragalus agnicidus	Humboldt County milk-vetch		Е		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.
Astragalus claranus	Clara Hunt's milk-vetch	E	Т	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.
Bensoniella oregona	bensoniella		R		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.
Blennosperma bakeri	Sonoma sunshine	E	Е	1B.1	Vernal pools, valley and foothill grassland. Vernal pools and swales. 33 to 361 ft in elevation. Blooms March-May.
Calamagrostis foliosa	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.
Calochortus tiburonensis	Tiburon mariposa-lily	Т	T	1B.1	Valley and foothill grassland. On open, rocky, slopes in serpentine grassland. 164 to 492 ft in elevation. Blooms March-June.
Castilleja affinis var. neglecta	Tiburon paintbrush	E	T	1B.2	Valley and foothill grassland. Rocky serpentine sites. 394 to 1312 ft in elevation. Blooms April-June.
Ceanothus masonii	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.
Chloropyron molle ssp. molle	soft salty bird's-beak	Е	R	1B.2	Coastal salt marsh. In coastal salt marsh with Distichlis, Salicornia, Frankenia, etc. 0 to 16 ft in elevation. Blooms July-November.
Chorizanthe howellii	Howell's spineflower	Е	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.
Chorizanthe valida	Sonoma spineflower	Е	Е	1B.1	Coastal prairie. Sandy soil. 16 to 164 ft in elevation. Blooms June-August.
Cordylanthus tenuis ssp. capillaris	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.
Delphinium bakeri	Baker's larkspur	E	Е	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.
Delphinium luteum	golden larkspur	E	R	1B.1	Chaparral, coastal prairie, coastal scrub. North-facing rocky slopes. 0 to 328 ft in elevation. Blooms March-May.
Eryngium constancei	Loch Lomond button-celery	E	Е	1B.1	Vernal pools, Volcanic ash flow vernal pools. 1509 to 2805 ft in elevation. Blooms April-June.
Erysimum menziesii	Menzies' wallflower	E	Е	1B.1	Coastal dunes. Localized on dunes and coastal strand. 3 to 82 ft in elevation. Blooms March-September.
Fritillaria roderickii	Roderick's fritillary		Е	1B.1	Coastal bluff scrub, coastal prairie, valley and foothill grassland. Grassy slopes, mesas. 49 to 2001 ft in elevation. Blooms March-May.
Gratiola heterosepala	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.
Hesperolinon congestum	Marin western flax	Т	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.
Holocarpha macradenia	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.
Howellia aquatilis	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.
Lasthenia burkei	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.
Lasthenia conjugens	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.
Layia carnosa	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.
Lilaeopsis masonii	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.
Lilium occidentale	western lily	E	Е	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.
Lilium pardalinum ssp. pitkinense	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.
Limnanthes bakeri	Baker's meadowfoam		R	1B.1	Coastal dunes and coastal strand. Foredunes and interdunes with sparse cover. A. umb. breviflora is usually the plant closest to the ocean. 0 to 33 ft in elevation. Blooms June-October.
Limnanthes douglasii ssp. sulphurea	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-Stat	tus Plant Species Known	or with [Potenti	ial to Occ	cur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape
Table 3a Special-Stat	ds Flant Species Known		sting Sta		un in the Northern Camornia Coast Ecological Section (203A) within the Treatable Landscape
Scientific Name	Common Name	Federal	State	California Rare Plant	Habitat Desription
		1.000.0		Rank	
Limnanthes vinculans	Sebastopol meadowfoam	E	E	1B.1	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
Lupinus tidestromii	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.
Navarretia leucocephala ssp. pauciflora	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.
Navarretia leucocephala ssp. plieantha	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.
Noccaea fendleri ssp. californica	Kneeland Prairie pennycress	E		1B.1	Meadows and seeps. Wet sites. 10 to 6217 ft in elevation. Blooms April-July.
Pentachaeta bellidiflora	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).
Plagiobothrys strictus	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.
Pleuropogon hooverianus	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.
Streptanthus glandulosus ssp. niger	Tiburon jewelflower	E	E	1B.1	Valley and foothill grassland. Shallow, rocky serpentine slopes. 98 to 492 ft in elevation. Blooms May-June.
Trifolium amoenum	two-fork clover	F	-	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.
Trifolium polyodon	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).
Trifolium trichocalyx	Monterey clover	E	F	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	Monterey clover	L		10.1	Closed Conte Connectods 101cs. Openings, burned areas, and roadsides. Sandy Sons. 157 to 605 fe in clevation, blooms April Sante.
Abronia umbellata var. breviflora	pink sand-verbena			1B.1	Coastal dunes and coastal strand. Foredunes and interdunes with sparse cover. A. umb. breviflora is usually the plant closest to the ocean. 0 to 33 ft in elevation. Blooms June-October.
Agrostis blasdalei	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.
Alisma gramineum	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
Allium peninsulare var. franciscanum	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.
Amorpha californica var. napensis	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.
Amsinckia lunaris	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
Anthoxanthum nitens ssp. nitens	vanilla-grass			2B.3	Meadows and seeps. Wet sites. 10 to 6217 ft in elevation. Blooms April-July.
Arctostaphylos manzanita ssp. elegans	Konocti manzanita			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Volcanic soils. 738 to 6004 ft in elevation. Blooms January-May (July).
	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.
Arctostaphylos nummularia ssp. mendocinoensis	pygmy manzanita			1B.2	Closed-cone coniferous forest. Acidic, sandy-clay soils in dwarf coniferous forest. 295 to 607 ft in elevation. Blooms January.
Arctostaphylos stanfordiana ssp. decumbens	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).
Arctostaphylos stanfordiana ssp. raichei	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.
Arctostaphylos virgata	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.
Astragalus pycnostachyus var.	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.
Astragalus rattanii var. jepsonianus	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.
Astragalus tener var. tener	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.
Astragalus umbraticus	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.
Balsamorhiza macrolepis	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
Brasenia schreberi	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.
Brodiaea leptandra	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-Stat	us Plant Species Known o	or with [Potenti	al to Occ	ur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape
Table 3a Special State	as Flant Species Known C		sting Sta		an in the Northern Camornia Coast Ecological Section (2007) within the Treatable Editascape
Scientific Name	Common Name	Federal		California Rare Plant Rank	Habitat Desription
Bryoria spiralifera	twisted horsehair lichen			1B.1	North coast coniferous forest. Usually on conifers. 0 to 98 ft in elevation.
Calamagrostis crassiglumis	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.
Calarriagrostis crassigiumis	Thurber's reed grass			20.1	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
Calicium adspersum	spiral-spored gilded-head pin lichen			2B.2	old-growth trees over 200 years of age. 656 to 656 ft in elevation.
Calochortus raichei	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.
Calystegia purpurata ssp. saxicola	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.
Campanula californica	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.
Cardamine angulata	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.
Carex arcta	northern clustered sedge			2B.2	Bogs and fens, north coast coniferous forest. Mesic sites. 197 to 4610 ft in elevation. Blooms June-September.
Carex californica	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.
Carex comosa	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 island16 to 5315 ft in elevation. Blooms May-September.
Carex lenticularis var. limnophila	lagoon sedge			2B.2	Bogs and fens, marshes and swamps, north noast coniferous forest. Lakeshores, beaches. Often in gravelly substrates. 0 to 20 ft in elevation. Blooms June-August.
Carex leptalea	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.
Carex livida	livid sedge			2A	Bogs and fens. Historically known from a sphagnum bog in California. 0 to 0 ft in elevation. Blooms June.
Carex lyngbyei	Lyngbye's sedge			2B.2	Marshes and swamps (brackish or freshwater). 0 to 656 ft in elevation. Blooms April-August.
Carex praticola	northern meadow sedge			2B.2	Meadows and seeps. Moist to wet meadows. 49 to 10499 ft in elevation. Blooms May-July.
Carex saliniformis	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).
Carex serpenticola	serpentine sedge			2B.3	Meadows and seeps. Mesic, serpentine sites. 66 to 5610 ft in elevation. Blooms March-May.
Carex viridula ssp. viridula	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).
Castilleja ambigua var. humboldtiensis	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.
Castilleja ambigua var. meadii	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.
Castilleja litoralis	Oregon coast paintbrush			2B.2	Coastal bluff scrub, coastal dunes, coastal scrub. Sandy sites. 16 to 837 ft in elevation. Blooms June.
Castilleja mendocinensis	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.
Ceanothus confusus	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.
Ceanothus decornutus	Nicasio ceanothus			1B.2	Maritime chaparral; serpentinite, rocky, sometimes clay. 771 to 951 ft in elevation. Blooms March-May.
Ceanothus divergens	Calistoga ceanothus			1B.2	Chaparral. Rocky, serpentine or volcanic sites. 558 to 3117 ft in elevation. Blooms February-April.
Ceanothus foliosus var. vineatus	Vine Hill ceanothus			1B.1	Sandy, acidic soil in chaparral. 148 to 1001 ft in elevation. Blooms March-May.
Ceanothus gloriosus var. porrectus	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.
Ceanothus purpureus	holly-leaved ceanothus			1B.2	Chaparral, cismontane woodland. Rocky, volcanic slopes. 476 to 2559 ft in elevation. Blooms February-June.
Ceanothus sonomensis	Sonoma ceanothus			1B.2	Chaparral. Sandy, serpentine or volcanic soils. 459 to 2608 ft in elevation. Blooms February-April.
Centromadia parryi ssp. parryi	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.
Chlorogalum pomeridianum var. minus	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
Chloropyron maritimum ssp. palustre	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.
Chorizanthe cuspidata var. cuspidata	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.
Chorizanthe cuspidata var. villosa	woolly-headed spineflower			1B.2	Coastal bluff scrub, coastal scrub. 33 to 328 ft in elevation. Blooms June-August.

Table 9a Special-Sta	tus Blant Species Known	or with I	Potonti	al to Occ	ur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape
Table 3a Special-Sta	tus Flant Species Known (_	sting Sta		ar in the Northern Camornia Coast Ecological Section (2034) within the Treatable Landscape
Scientific Name	Common Name	Federal		California Rare Plant Rank	Habitat Desription
Cicuta maculata var. bolanderi	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.
Cirsium andrewsii	Franciscan thistle			1B.2	Coastal dunes. 33 to 98 ft in elevation. Blooms April-June.
Cirsium hydrophilum var. vaseyi	Mt. Tamalpais thistle			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.
Clarkia amoena ssp. whitneyi	Whitney's farewell-to-spring			1B.1	Coastal bluff scrub, coastal scrub. 33 to 328 ft in elevation. Blooms June-August.
Clarkia concinna ssp. raichei	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.
Collinsia corymbosa	round-headed Chinese-houses			1B.2	Coastal dunes. 33 to 98 ft in elevation. Blooms April-June.
Cornus canadensis	bunchberry			2B.2	North coast coniferous forest, bogs and fens, meadows and seeps. 295 to 6299 ft in elevation. Blooms May-July.
Cryptantha dissita	serpentine cryptantha			1B.2	Chaparral. Serpentine outcrops. 443 to 2411 ft in elevation. Blooms April-June.
Cuscuta pacifica var. papillata	Mendocino dodder			1B.2	Coastal dunes. Interdune depressions. Annual parasitic vine observed on Gnaphalium, Silene and Lupinus. 0 to 164 ft in elevation. Blooms July-October.
Dirca occidentalis	western leatherwood			1B.2	Broadleafed 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).
Discelium nudum	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.
Downingia pusilla	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.
Downingia willamettensis	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.
Empetrum nigrum	black crowberry			2B.2	Coastal bluff scrub, coastal prairie. 10 to 49 ft in elevation. Blooms April-June.
Entosthodon kochii	Koch's cord moss			1B.3	Cismontane woodland. Moss growing on soil on river banks. 607 to 1198 ft in elevation.
Epilobium oreganum	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.
Erigeron bloomeri var. nudatus	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.
Erigeron greenei	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.
Erigeron maniopotamicus	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.
Erigeron serpentinus	serpentine daisy			1B.3	Chaparral. Serpentine seeps. 394 to 1312 ft in elevation. Blooms May-August.
Erigeron supplex	supple daisy			1B.2	Coastal bluff scrub, coastal prairie. Usually in grassy sites. 16 to 607 ft in elevation. Blooms May-July.
Eriogonum cedrorum	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.
Eriogonum luteolum var. caninum	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.
Eriogonum nervulosum	Snow Mountain buckwheat			1B.2	Chaparral. Dry serpentine outcrops, balds, and barrens. 1460 to 6906 ft in elevation. Blooms June-September.
Eriogonum nudum var. paralinum	Del Norte buckwheat			2B.2	Coastal bluff scrub, coastal prairie. Open places along immediate coast. 16 to 262 ft in elevation. Blooms June-September.
Eryngium jepsonii	Jepson's coyote-thistle			1B.2	Vernal pools, valley and foothill grassland. Clay. 10 to 984 ft in elevation. Blooms April-August.
Erysimum concinnum	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.
Erythronium hendersonii	Henderson's fawn lily			2B.3	Lower montane coniferous forest. 197 to 2953 ft in elevation. Blooms April-July.
Erythronium oregonum	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).
Erythronium revolutum	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).
Fissidens pauperculus	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 .
Fritillaria lanceolata var. tristulis	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.
Fritillaria liliacea	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.
Gilia capitata ssp. chamissonis	blue coast gilia			1B.1	Coastal dunes, coastal scrub. 10 to 656 ft in elevation. Blooms April-July.
Gilia capitata ssp. pacifica	Pacific gilia			1B.2	Coastal bluff scrub, chaparral, coastal prairie, valley and foothill grassland. 16 to 4413 ft in elevation. Blooms April-August.

Table 9a Special-Sta			sting Sta		ur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Gilia capitata ssp. tomentosa	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.
Gilia millefoliata	dark-eyed gilia			1B.2	Coastal dunes. 3 to 197 ft in elevation. Blooms April-July.
Glyceria grandis	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.
Harmonia hallii	Hall's harmonia			1B.2	Chaparral. Serpentine hills and ridges. Open, rocky areas within chaparral. 1099 to 3051 ft in elevation. Blooms April-June.
Helianthella castanea	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.
Hemizonia congesta ssp. congesta	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.
Hesperevax sparsiflora var. brevifolia	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.
Hesperocyparis pygmaea	pygmy cypress			1B.2	Closed-cone coniferous forest. On podzol-like blacklock soil in pygmy cypress forest community. 98 to 1969 ft in elevation.
Hesperolinon adenophyllum	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.
Hesperolinon bicarpellatum	two-carpellate western flax			1B.2	Serpentine chaparral. Serpentine barrens at edge of chaparral. 197 to 3297 ft in elevation. Blooms May-July.
Hesperolinon sharsmithiae	Sharsmith's western flax			1B.2	Chaparral. Serpentine substrates. 886 to 984 ft in elevation. Blooms May-July.
Heteranthera dubia	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.
Horkelia marinensis	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.
Horkelia tenuiloba	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).
Hypogymnia schizidiata	island tube lichen			1B.3	Chaparral, closed-cone coniferous forest. On bark and wood of hardwoods and conifers. 1181 to 1329 ft in elevation.
Iliamna latibracteata	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.
Juglans hindsii	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.
Juncus luciensis	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.
Juncus nevadensis var. inventus	Sierra rush			2B.2	Bogs and fens. 0 to 33 ft in elevation. Blooms July-November.
Juncus supiniformis	hair-leaved rush			2B.2	Marshes and swamps, bogs and fens. 66 to 328 ft in elevation. Blooms April-May (June),(July).
Kopsiopsis hookeri	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.
Lasthenia californica ssp. bakeri	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.
Lasthenia californica ssp. macrantha	perennial goldfields			1B.2	Coastal bluff scrub, coastal dunes, coastal scrub. 16 to 607 ft in elevation. Blooms January-November.
Lathyrus biflorus	two-flowered pea			1B.1	Ultramafic. Lower montane coniferous forest. Endemic to serpentine. 4495 to 4544 ft in elevation. Blooms June-August.
Lathyrus japonicus	seaside pea			2B.1	10 to 213 ft in elevation. Blooms May-August.
Lathyrus palustris	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.
Layia septentrionalis	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.
Legenere limosa	legenere			1B.1	Vernal pools, In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
Leptosiphon jepsonii	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.
Leptosiphon rosaceus	rose leptosiphon			1B.1	Coastal bluff scrub. 33 to 459 ft in elevation. Blooms April-July.
Lessingia arachnoidea	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.
Lessingia micradenia var. micradenia	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.
Lilium maritimum	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.

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Table 9a Special-Stat	us Plant Species Known c				cur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape
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Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Lupinus sericatus	Cobb Mountain lupine			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest, broadleafed 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.
Lycopodiella inundata	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.
Lysimachia europaea	arctic starflower			2B.2	Meadows and seeps, bogs and fens. Coastal boggy areas. 0 to 49 ft in elevation. Blooms June-July.
Microseris borealis	northern microseris			2B.1	Bogs and fens, meadows and seeps, lower montane coniferous forest. 148 to 3510 ft in elevation. Blooms June-September.
Microseris paludosa	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).
Moneses uniflora	woodnymph			2B.2	Broadleafed upland forest, North coast coniferous forest. 328 to 3609 ft in elevation. Blooms May-August.
Monotropa uniflora	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).
Montia howellii	Howell's montia			2B.2	Meadows and seeps, north coast coniferous forest, vernal pools. Vernally wet sites; often on compacted soil. 33 to 3297 ft in elevation. Blooms (February), March-May.
Navarretia leucocephala 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.
Navarretia rosulata	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.
Oenothera wolfii	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.
Packera bolanderi var. bolanderi	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).
Penstemon newberryi var. sonomensis	Sonoma beardtongue			1B.3	Chaparral. Crevices in rock outcrops and talus slopes. 591 to 4610 ft in elevation. Blooms April-August.
Phacelia argentea	sand dune phacelia			1B.1	Coastal dunes. Stabilized and recently moving sand dunes. 10 to 82 ft in elevation. Blooms June-August.
Phacelia insularis var. continentis	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.
Pinguicula macroceras	horned butterwort			2B.2	Bogs and fens. Meadow edges, seepage areas. Serpentine soil. 66 to 6004 ft in elevation. Blooms April-June.
Pinus contorta ssp. bolanderi	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.
Piperia candida	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.
Plagiobothrys glaber	hairless popcornflower			1A	Meadows and seeps, marshes and swamps. Coastal salt marshes and alkaline meadows. 16 to 591 ft in elevation. Blooms March-May.
Plagiobothrys mollis var. vestitus	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.
Polemonium carneum	Oregon polemonium			2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. 0 to 6004 ft in elevation. Blooms April-September.
Potamogeton epihydrus	Nuttall's ribbon-leaved pondweed				Marshes and swamps. Shallow water, ponds, lakes, streams, irrigation ditches. 968 to 8661 ft in elevation. Blooms (June), July-September.
Potamogeton foliosus ssp. fibrillosus	fibrous pondweed			2B.3	Marshes and swamps. Shallow water, portas, races, saccards, imgedient directed.
Potentilla uliginosa	Cunningham Marsh cinquefoil			1A	Freshwater marshes and swamps. Found in permanent, oligotrophic wetlands. 98 to 131 ft in elevation. Blooms May-August.
Puccinellia pumila	dwarf alkali grass			2B.2	Marshes and swamps. Mineral spring meadows and coastal salt marshes. 3 to 33 ft in elevation. Blooms July.
Puccinellia simplex	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernally mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
Pyrrocoma racemosa var. congesta	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.
Quercus parvula var. tamalpaisensis	Tamalpais oak			1B.3	Lower montane coniferous forest. 328 to 2461 ft in elevation. Blooms March-April.
Ramalina thrausta	angel's hair lichen			2B.1	North coast coniferous forest. On dead twigs and other lichens. 246 to 1411 ft in elevation.
Rhynchospora alba	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.
Rhynchospora californica	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.
Rhynchospora capitellata	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.
Rhynchospora globularis	round-headed beaked-rush			2B.1	Marshes and swamps. Freshwater marsh. 148 to 197 ft in elevation. Blooms July-August.
Romanzoffia tracyi	Tracy's romanzoffia	 		2B.3	Coastal bluff scrub, coastal scrub. Rocky sites. 49 to 984 ft in elevation. Blooms March-May.
Nomanzoma dacyi	Tracy S TOTTIATIZOTTIA			20.3	בספונמו שומון ברושט, בספונמו ברושט. הסבינים ביו ני ביים היים ולי ביים ביים ביים ביים ביים ביים ביים בי

Table 9a Special-Stat	rus Plant Species Known o	or with F	Potenti	al to Occ	ur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape
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Scientific Name	Common Name	Federal		California Rare Plant Rank	Habitat Desription
Sabulina howellii	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.
Sagittaria sanfordii	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).
Sanguisorba officinalis	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.
Sedum citrinum	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.
Sidalcea calycosa ssp. rhizomata	Point Reyes checkerbloom			1B.2	Marshes and swamps. Freshwater marshes near the coast. 16 to 312 ft in elevation. Blooms April-September.
Sidalcea hickmanii ssp. napensis	Napa checkerbloom			1B.1	Chaparral. Rhyolitic substrates. 1362 to 2001 ft in elevation. Blooms April-June.
Sidalcea hickmanii ssp. viridis	Marin checkerbloom			1B.1	Chaparral. Serpentine or volcanic soils; sometimes appears after burns. 164 to 1411 ft in elevation. Blooms May-June.
Sidalcea malviflora ssp. patula	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.
Sidalcea malviflora ssp. purpurea	purple-stemmed checkerbloom			1B.2	Broadleafed upland forest, coastal prairie. 49 to 279 ft in elevation. Blooms May-June.
Sidalcea oregana ssp. eximia	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.
Sidalcea oregana ssp. hydrophila	marsh checkerbloom			1B.2	Meadows and seeps, riparian forest. Wet soil of streambanks, meadows. 3609 to 7546 ft in elevation. Blooms (June), July-August.
Silene scouleri ssp. scouleri	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).
Silene serpentinicola	serpentine catchfly			1B.2	Chaparral, lower montane coniferous forest. Serpentine openings, gravelly or rocky soils. 394 to 2510 ft in elevation. Blooms May-July.
Sisyrinchium hitchcockii	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.
Spergularia canadensis var. occidentalis	western sand-spurrey			2B.1	Marshes and swamps (coastal salt marshes). 0 to 10 ft in elevation. Blooms June-August.
Stebbinsoseris decipiens	Santa Cruz microseris			1R 2	Broadleafed 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.
Streptanthus batrachopus	Tamalpais jewelflower			1B.3	Closed-cone coniferous forest, chaparral. Talus serpentine outcrops. 1099 to 2198 ft in elevation. Blooms April-July.
Streptanthus brachiatus ssp. brachiatus	Socrates Mine jewelflower			1B.2	Chaparral, closed-cone coniferous forest. Serpentine areas and serpentine chaparral. 1985 to 6398 ft in elevation. Blooms May-June.
Streptanthus glandulosus ssp. hoffmanii	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.
Streptanthus glandulosus ssp. pulchellus	Mt. Tamalpais bristly jewelflower			1B.2	Chaparral, valley and foothill grassland. Serpentine slopes. 492 to 2625 ft in elevation. Blooms May-July (August).
Streptanthus hesperidis	green jewelflower			1B.2	Chaparral, cismontane woodland. Openings in chaparral or woodland; serpentine, rocky sites. 787 to 2510 ft in elevation. Blooms May-July.
Streptanthus howellii	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.
Streptanthus morrisonii ssp. elatus	Three Peaks jewelflower			1B.2	Chaparral. Serpentine barrens, outcrops, and talus. 262 to 2674 ft in elevation. Blooms June-September.
Streptanthus morrisonii ssp. morrisonii	Morrison's jewelflower			1B.2	Chaparral. Serpentine outcrops in the Austin Creek area. 0 to 0 ft in elevation. Blooms May-September.
Stuckenia filiformis 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.
Thamnolia vermicularis	whiteworm lichen			2B.1	Chaparral, valley and foothill grassland. On rocks derived from Wilson Ranch formation sandstone. 0 to 0 ft in elevation. Blooms .
Thermopsis robusta	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.
Tracyina rostrata	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.
Trichodon cylindricus	cylindrical trichodon			2B.2	Broadleafed 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.
Trichostema ruygtii	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.
Trifolium buckwestiorum	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.
Trifolium hydrophilum	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.
Triphysaria floribunda	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.
Triquetrella californica	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.
Viburnum ellipticum	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.
Amarinam embacam	Oval leaved vibulliulli	1		د.0	Enapartal, asmortane woodand, lower montaine connectous forest. 703 to 4333 it in elevation, blooms may buile.

Table 9a Special-St	tatus Plant Species Known	or with	Potenti	ial to Occ	cur in the Northern California Coast Ecological Section (263A) within the Treatable Landscape
Scientific Name	Common Name			California Rare Plant Rank	
Viola langsdorffii	Langsdorf's violet			2B.1	Bogs and fens. Coastal wet areas. 7 to 33 ft in elevation. Blooms May-July.
Viola palustris	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.
Viola primulifolia ssp. occidentalis	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 California Rare Plant Rank

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

T = Threatened 1B = Plants rare, threatened, or endangered in California and elsewhere
R = Rare 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)

Table 9b Special-Status Wild	dlife Species Known or with Pote			in the N	lorthern	Califor	nia Coa	st Ecolo	ogical S	ection																	
		Listing	Status			1	1	1	<u> </u>		CW	/HR Type	es within	the Tre	atable	Landscap	e	1	1	ı	1	1 1			1		
Scientific Name	Common Name	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		Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians			-			-																					
Federal and State Listed/CDFW Fully Protected																											
Ambystoma californiense	California tiger salamander ²	Т	Т	Х	Х				Х	Х			Χ					Х		Х				Х	Х		9,107
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	2,372,403
Rana draytonii	California red-legged frog ²	Т	SC	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ		Χ	χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ		874,439
CDFW Species of Special Concern	33 3			L			l .																				
Ascaphus truei	Pacific tailed frog ²		SC	Х			Х	Х	Х	Х		Х	Χ	Χ	Х	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	1,513,692
Dicamptodon ensatus	California giant salamander ²		SC	Х	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Χ		Χ	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ		816,265
Rana aurora	northern red-legged frog ²		SC	Х			Х	Χ	Х	Χ		Χ	Χ	Χ	Χ	χ	Χ	Χ	Х	Х	Х	Χ	Χ	Χ		Χ	1,356,776
Rhyacotriton variegatus	southern torrent salamander ²		SC	Х			Х	Χ	Х	Χ		Χ	Χ	Χ	Χ	χ	Χ	Χ	Х	Х	Х	Χ	Χ	Χ		Χ	1,474,243
Spea hammondii	western spadefoot ²		SC	Х	Х				Х							Χ		Χ		Х				Χ	Χ		4,462
Taricha rivularis	red-bellied newt ²		SC	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ		1,057,047
Birds																											
Federal and State Listed/CDFW Fully Protected																											
Agelaius tricolor	tricolored blackbird		E SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х		Х	Х	Х	Х	Х	Х	Х	Х		494,656
Aquila chrysaetos	golden eagle		FP	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,123,241
Brachyramphus marmoratus	marbled murrelet ²	Т	Е	Х			Х	Χ		Х			Χ						Х	Χ	Χ		Χ	Χ			<1
Buteo swainsoni	Swainson's hawk		T	Х	Х				Х									Х		Χ				Χ	Χ		<1
Charadrius alexandrinus nivosus	western snowy plover ²	T	SC	X	Χ		X	Χ	Χ	Χ		Χ	Χ		Χ	Χ	Χ	Χ	Х	Х	Х		Χ	Χ	Χ		495,103
Elanus leucurus	white-tailed kite		FP	Х	X	Х	Х	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	2,392,554
Empidonax traillii brewsteri	little willow flycatcher		E	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	2,395,042
Falco peregrinus anatum	American peregrine falcon		FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	2,395,235
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	2,395,235
Laterallus jamaicensis coturniculus	California black rail ^{2,}		T FP	Х					Х	Х		Χ	Х			Х		Х	Х		Х		Х	Х			-
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	Х	Х	Х	X	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	2,391,232
Phoebastria albatrus	short-tailed albatross ²	E	SC	Х	Х		Х	Χ	Χ	Х		Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	1,853,782
Rallus obsoletus obsoletus	California Ridgway's rail ²	E	E	Х	Х		Х	Х	Х	Х		Х	Χ			Χ		Х	Х	Х	Х		Χ	Χ	Χ	\longrightarrow	18,115
Riparia riparia	bank swallow	-	T _	Х				Х		Х		Х					Х	Х	Х	Х	Х		Х			\longrightarrow	8,842
Sterna antillarum browni	California least tern ²	E	E FP	Х	Х		Х	Х	Х	Х		Х	Х			Х		Х	Х	Х	Х		Х	Х	Χ		244,909
Strix occidentalis caurina	northern spotted owl	Т	T SC	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	2,079,719

Table 9b Special-Status Wi	ildlife Species Known or with Pote	ntial to	Occur	in tha N	lorthorn	Califor	rnia Coa	ct Ecolo	ogical S	Coction	(2637	١															
Table 30 Special-Status Wi	nume species known or with Fote		Status	iii tile iv	orthern	Callion	illia COa	St LCOIC	igical s	ection		<i>)</i> VHR Type	es within	the Tre	atable	Landscar	oe Oe										
Scientific Name	Common Name	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		Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
CDFW Species of Special Concern					-																						
Accipiter gentilis	northern goshawk		SC	Х	Χ		X	Χ	Χ	Х		Χ		Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	816,643
Ammodramus savannarum	grasshopper sparrow		SC	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,339,930
Asio flammeus	short-eared owl		SC	Х				Χ	Χ	Х		Χ	Χ			Χ		Х	Χ	Χ	Χ		Χ	Χ			71,271
Asio otus	long-eared owl		SC	Х	X	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,137,087
Athene cunicularia	burrowing owl		SC	Х	X	Χ	Х	Χ	Χ	Х		Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	537,288
Aythya Americana	redhead ²		SC	Х	Х				Х									Х		Χ				Χ	Χ		7
Branta bernicla	brant ²		SC	Х				Х		Χ			Χ								Х			Χ			<1
Chaetura vauxi	Vaux's swift		SC	Х	Х	Χ	Х	Χ	Х	Χ		Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	1,962,118
Charadrius montanus	mountain plover		SC	Х				Χ	Х	Х			Χ						Χ	Χ	Χ		Χ	Χ	Χ		3,289
Circus hudsonius	northern harrier		SC	Х	X		Х	Χ	Χ	Х		Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	1,217,552
Contopus cooperi	olive-sided flycatcher		SC	Х	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	2,392,554
Coturnicops noveboracensis	yellow rail ²		SC	Х					Χ	Х		Χ						Х	Χ	Х	Χ		Χ				-
Fratercula cirrhata	tufted puffin ²		SC	Х			Х	Х		Х										Х	Χ		Χ				<1
Geothlypis trichas sinuosa	San Francisco common yellowthroat ²		SC	Х	Х		Х	Χ	Χ	Х		Χ	Χ			Χ		Х	Χ	Χ	Χ		Χ	Χ	Χ		34,358
Icteria virens	yellow-breasted chat		SC	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	2,150,681
Ixobrychus exilis	least bittern ²		SC	Х					Х	Χ		Χ				Χ		Х		Χ	Х			Χ			505,703
Lanius ludovicianus	loggerhead shrike		SC	Х	X	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ		Χ	Χ		Х	Χ	Х	Χ	Х	Χ	Χ	Χ		505,703
Melospiza melodia samuelis	San Pablo song sparrow		SC	Х					Х												Χ			Χ			40
Oceanodroma furcata	fork-tailed storm-petrel ²		SC	Х						Х									Χ	Х	Χ		Χ				<1
Oceanodroma homochroa	ashy storm-petrel ²		SC	Х			Х	Χ		Х			Χ								Χ		Χ	Χ			<1
Passerculus sandwichensis alaudinus	Bryant's savannah sparrow		SC	Χ	Х	Χ	Х	Х	Χ	Х		Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	1,794,501
Pelecanus erythrorhynchos	American white pelican ²		SC	Χ	Х				Х									Х		Х				Χ	Х		<1
Pooecetes gramineus affinis	Oregon vesper sparrow		SC	Х				Χ		Х		Χ					Χ	Х	Χ	Χ	Χ		Χ				17,264
Progne subis	purple martin		SC	Х	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	2,331,106
Ptychoramphus aleuticus	Cassin's auklet ²		SC	Х			Х	Χ		Х			Χ						Χ	Χ	Χ		Χ	Χ			<1
Setophaga petechia	yellow warbler		SC	Х	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	2,256,533
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Χ	Х				Х									Х		Х				Χ	Х		50
Invertebrates																											
Federal and State Listed/CDFW Fully Protected																											
Bombus crotchii	Crotch bumble bee ²		С	Χ	Х	Х		Х	Х	Х		Χ			Χ			Х	Χ	Х	Х	Х	Χ	X	Х		219,445
Bombus occidentalis occidentalis	western bumble bee ²		С	Χ	Х	Х		Χ	Х			Χ		Χ				Х	Χ	Х	Х	Х	Χ	Χ	Х	Χ	2,275,963
Branchinecta conservatio	conservancy fairy shrimp ²	Е		Χ	Х	Χ	Х	Χ	Х			Χ	Χ			Χ		Х		Х	Χ	Х	Χ		Х		30,032
Branchinecta lynchi	vernal pool fairy shrimp ²	T		Х	Х				Χ							Χ		Х		Х					Х		2,586

Table 9b Special-Status Wild	dlife Species Known or with Pote	ntial to	Occur	in the N	lorthern	Califo	nia Coa	st Ecolo	ogical S	ection	(263A))															
		Listing	Status				,	1		1	CW	/HR Typ	es within	the Tre	atable I	andscap	e		l.		t .	ı	1				
Scientific Name	Common Name	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		Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Callophrys mossii bayensis	San Bruno elfin butterfly	Е		Х	Х		Х	Χ	Х	Х		Χ	Х			Χ		Х	Х	Х	Χ		Χ	Χ	Х		332,136
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	T		Х	Х				Х																Χ		94
Elaphrus viridis	Delta green ground beetle	T		Х	Х				Х																Х		94
Euphydryas editha bayensis	Bay checkerspot butterfly	T		Х				Χ	Χ	Х			Χ														20
Icaricia icarioides missionensis	Mission blue butterfly	Е		Х			Х	Χ	Χ	Χ		Χ	Χ			Χ		Х	Х	Х	Χ		Χ	Χ	Χ		16,659
Monadenia infumata setosa	Trinity bristle snail		T	X	Х	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,395,042
Plebejus idas lotis	lotis blue butterfly ²	Е		Х				Χ										Х	Х	Х			Χ				-
Speyeria callippe callippe	callippe silverspot butterfly	Е		Х	Х			Χ	Χ	Χ			Χ			Χ		Х		Х				Χ	Χ		9,174
Speyeria zerene behrensii	Behren's silverspot butterfly	Е		Х			Х	Χ	Χ	Χ		Χ	Χ			Χ		Х	Х	Х	Χ		Χ	Χ			208,905
Speyeria zerene myrtleae	Myrtle's silverspot butterfly	Е		Х	Х		Х	Χ	Х	Х		Χ	Х			Χ		Х	Х	Х	Х		Χ	Χ	Х		211,037
Syncaris pacifica	California freshwater shrimp ²	Е	Е	X	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Х	Х	Х	Χ	Χ	Χ	Χ	Х		722,465
Mammals																											
Federal and State Listed/CDFW Fully Protected																											
Aplodontia rufa nigra	Point Arena mountain beaver	E	SC	Х				Χ	Х	Х		Χ	Х		Χ	Χ	Χ	Х	Х	Χ	Χ		Χ				159,092
Arctocephalus townsendi	Guadalupe fur-seal ²	Т	T FP	Х			Х	Х		Х			Х								Х		Χ	Х			<1
Bassariscus astutus	ringtail		FP	Х	Х	Χ	Х	Χ	Х	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	2,395,235
Martes caurina humboldtensis	Humboldt marten		E SC	Х				Х	Х	Х		Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ		Χ	1,096,769
Microtus californicus scirpensis	Amargosa vole	E	E	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Х		Χ	Χ		Х	Х	Х	Х	Х	Χ	Χ	Х		740,141
Pekania pennanti	fisher - West Coast DPS		T SC	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	1,935,510
Reithrodontomys raviventris	salt-marsh harvest mouse ²	E	E FP	Х	Х		Х	Х	Х	Х		Χ	Х			Х		Х	Х	Х	Х		Х	Χ	Χ		22,903
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	2,395,042
CDFW Species of Special Concern																											
Antrozous pallidus	pallid bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	2,395,235
Aplodontia rufa californica	Sierra Nevada mountain beaver		SC	Х				Х	Х	Х			Х					Х	Х	Χ	Χ		Х				16,093
Aplodontia rufa phaea	Point Reyes mountain beaver		SC	Х			Х	Χ	Χ	Х		Χ	Χ			Χ		Х	Χ	Χ	Χ		Χ	Χ			10,065
Arborimus albipes	white-footed vole		SC	Х				Х	Х	Х		Х	Х	Х	Х	Х	X	Х	Х	Χ	Χ		Х			Χ	560,640
Arborimus pomo	Sonoma tree vole		SC	Х	Х	Х	Х	Χ	Х	Х		Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	1,948,175
Corynorhinus townsendii	Townsend's big-eared bat		SC	Х	Х	Х	Х	Χ	Х	Х	X	X	Х	Х	Χ	Χ	X	X	Χ	Χ	Χ	Χ	X	Χ	Χ	Χ	2,395,235
Lasiurus blossevillii	western red bat		SC	Х	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Х		Х	Χ	Χ	Х	Χ	Х	Χ	Х	Χ	Χ	Х		1,229,891
Sorex ornatus sinuosus	Suisun shrew ²		SC	Х																Х							_
Taxidea taxus	American badger		SC	Х	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	2,139,273

		Listing	Status								CV	VHR Type	es withir	the Tre	atable	Landsca	ре				·						1
Scientific Name	Common Name	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		Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Reptiles																											
CDFW Species of Special Concern																											
Emys marmorata	western pond turtle ²		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	X	Χ	Х	X	Χ	2,395,194

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 treatable acreage of potential habitat 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 10a Special-Stat	us Plant Species Known or w	ith Poter	ntial to (Occur in t	he Northern California Coast Ranges Ecological Section (M261B) within the Treatable Landscape
		L	isting Sta	tus	
				California	
Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
				Rank	
Federal and State Listed					
	McDonald's rockcress	F		10.1	Lawrence conference forcet ultramofic unpermontance conference forcet. Dealer outerance ridges clones and flats an expression AV2 to COOC ft in clouding Placeme May July
Arabis mcdonaldiana		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.
Astragalus claranus	Clara Hunt's milk-vetch Sonoma sunshine	E	- I	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. Vernal pools, valley and foothill grassland. Vernal pools and swales. 33 to 361 ft in elevation. Blooms March-May.
Blennosperma bakeri		E	E	1B.1	
Brodiaea rosea	Indian Valley brodiaea		E D	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.
Eriastrum tracyi	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.
Eriogonum kelloggii	Kellogg's buckwheat	-	t -	1B.2	Lower montane coniferous forest. Rocky, serpentine sites. 2986 to 3904 ft in elevation. Blooms (May), June-August.
Eryngium constancei	Loch Lomond button-celery	E	t -	1B.1	Vernal pools, wetland. Volcanic ash flow vernal pools. 1509 to 2805 ft in elevation. Blooms April-June.
Fritillaria roderickii	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.
Gratiola heterosepala	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.
Hesperolinon didymocarpum	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.
Howellia aquatilis	water howellia		_	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.
Lasthenia burkei	Burke's goldfields	E	Ł	1B.1	Vernal pools, meadows and seeps, wetland. Most often in vernal pools and swales. 49 to 1969 ft in elevation. Blooms April-June.
Limnanthes bakeri	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.
Limnanthes vinculans	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.
Lupinus milo-bakeri	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.
Navarretia leucocephala ssp. pauciflora	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.
Navarretia leucocephala ssp. plieantha	many-flowered navarretia	E	E	1B.2	Vernal pools, wetland. Volcanic ash flow vernal pools. 98 to 3002 ft in elevation. Blooms May-June.
Orcuttia tenuis	slender Orcutt grass	Ţ	E	1B.1	Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
Panicum acuminatum var. thermale	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.
Pleuropogon hooverianus	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.
Sedella leiocarpa	Lake County stonecrop	E	Е	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.
Sidalcea keckii	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).
Sidalcea oregana ssp. valida	Kenwood Marsh checkerbloom	E	E	1B.1	Marshes and swamps. Edges of freshwater marshes. 377 to 410 ft in elevation. Blooms June-September.
Silene campanulata ssp. campanulata	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					
Alisma gramineum	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
Allium peninsulare var. franciscanum	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.
Amorpha californica var. napensis	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.
Amsinckia lunaris	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
Anisocarpus scabridus	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).
Arctostaphylos manzanita ssp. elegans	Konocti manzanita			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Volcanic soils. 738 to 6004 ft in elevation. Blooms January-May (July).
Arctostaphylos stanfordiana ssp. raichei	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.
Astragalus rattanii var. jepsonianus	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.
Astragalus umbraticus	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-Stat	us Plant Species Known or w	ith Poter	ntial to (Occur in the	ne Northern California Coast Ranges Ecological Section (M261B) within the Treatable Landscape
		L	isting Sta	tus	
Scientific Name	Common Nama			California	Heliana Deminsion
Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
				Rank	
Balsamorhiza macrolepis	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
Brasenia schreberi	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.
Brodiaea leptandra	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.
Calycadenia micrantha	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.
Calystegia collina ssp. tridactylosa	three-fingered morning-glory			1B.2	Chaparral, cismontane woodland. Rocky, gravelly openings in serpentine. 1985 to 2313 ft in elevation. Blooms April-June.
Carex arcta	northern clustered sedge			2B.2	Bogs and fens, north coast coniferous forest. Mesic sites. 197 to 4610 ft in elevation. Blooms June-September.
Carex comosa	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 island16 to 5315 ft in elevation. Blooms May-September.
Carex hystericina	porcupine sedge			2B.1	Marshes and swamps. Wet places, such as stream edges. 1985 to 3150 ft in elevation. Blooms May-June.
Carex klamathensis	Klamath sedge			1B.2	Meadows and seeps, chaparral, cismontane woodland. Serpentine, fens and seeps. 2986 to 3428 ft in elevation. Blooms .
Carex praticola	northern meadow sedge			2B.2	Meadows and seeps. Moist to wet meadows. 49 to 10499 ft in elevation. Blooms May-July.
Castilleja rubicundula var. rubicundula	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.
Ceanothus confusus	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.
Ceanothus divergens	Calistoga ceanothus			1B.2	Chaparral. Rocky, serpentine or volcanic sites. 558 to 3117 ft in elevation. Blooms February-April.
Ceanothus foliosus var. vineatus	Vine Hill ceanothus			1B.1	Chaparral. Sandy, acidic soil in chaparral. 148 to 1001 ft in elevation. Blooms March-May.
Ceanothus purpureus	holly-leaved ceanothus			1B.2	Chaparral, cismontane woodland. Rocky, volcanic slopes. 476 to 2559 ft in elevation. Blooms February-June.
Ceanothus sonomensis	Sonoma ceanothus			1B.2	Chaparral. Sandy, serpentine or volcanic soils. 459 to 2608 ft in elevation. Blooms February-April.
Centromadia parryi ssp. parryi	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.
Chlorogalum pomeridianum var. minus	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
Cryptantha dissita	serpentine cryptantha			1B.2	Chaparral. Serpentine outcrops. 443 to 2411 ft in elevation. Blooms April-June.
Cryptantha excavata	deep-scarred cryptantha			1B.1	Cismontane woodland. Sandy, gravelly, dry streambanks. 328 to 1640 ft in elevation. Blooms April-May.
Cuscuta jepsonii	Jepson's dodder			1B.2	North coast coniferous forest. Streamsides. 397 to 9006 ft in elevation. Blooms July-September.
Downingia willamettensis	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.
Entosthodon kochii	Koch's cord moss			1B.3	Cismontane woodland. Moss growing on soil on river banks. 607 to 1198 ft in elevation.
Epilobium nivium	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.
Epilobium oreganum	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.
Eriastrum brandegeeae	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.
Erigeron greenei	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.
Erigeron maniopotamicus	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.
Eriogonum nervulosum	Snow Mountain buckwheat			1B.2	Chaparral. Dry serpentine outcrops, balds, and barrens. 1460 to 6906 ft in elevation. Blooms June-September.
Eryngium jepsonii	Jepson's coyote-thistle			1B.2	Vernal pools, valley and foothill grassland. Clay. 10 to 984 ft in elevation. Blooms April-August.
Erythranthe trinitiensis	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).
Erythronium oregonum	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).
Erythronium revolutum	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).
Extriplex joaquinana	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 Distichlis spicata, Frankenia, etc. 3 to 2740 ft in elevation. Blooms April-October.
Frasera umpquaensis	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.
Fritillaria pluriflora	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-Stat	tus Plant Species Known or w				he Northern California Coast Ranges Ecological Section (M261B) within the Treatable Landscape
		L	isting Sta	tus	
Scientific Name	Common Name			California	Habitat Desription
Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Destiption
				Rank	
Gilia capitata ssp. pacifica	Pacific gilia			1B.2	Coastal bluff scrub, chaparral, coastal prairie, valley and foothill grassland. 16 to 4413 ft in elevation. Blooms April-August.
Grimmia torenii	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.
Harmonia guggolziorum	Guggolz's harmonia			1B.1	Chaparral. Open areas on serpentine. 525 to 640 ft in elevation. Blooms April-May.
Harmonia hallii	Hall's harmonia			1B.2	Chaparral. Serpentine hills and ridges. Open, rocky areas within chaparral. 1099 to 3051 ft in elevation. Blooms April-June.
Harmonia stebbinsii	Stebbins' harmonia			1B.2	Chaparral, lower montane coniferous forest. Serpentine soils; often along roads. 394 to 5200 ft in elevation. Blooms May-June.
Hemizonia congesta ssp. congesta	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.
Hesperolinon adenophyllum	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.
Hesperolinon bicarpellatum	two-carpellate western flax			1B.2	Serpentine chaparral. Serpentine barrens at edge of chaparral. 197 to 3297 ft in elevation. Blooms May-July.
Hesperolinon breweri	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.
Hesperolinon drymarioides	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.
Hesperolinon sharsmithiae	Sharsmith's western flax			1B.2	Chaparral. Serpentine substrates. 886 to 984 ft in elevation. Blooms May-July.
Hesperolinon tehamense	Tehama County western flax			1B.3	Chaparral, cismontane woodland. Serpentine barrens in chaparral. 328 to 4101 ft in elevation. Blooms May-July.
Horkelia bolanderi	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.
Horkelia tenuiloba	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).
Hosackia yollabolliensis	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.
Iliamna latibracteata	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.
Imperata brevifolia	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.
Jaffueliobryum raui	Rau's jaffueliobryum 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 .
Juglans hindsii	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.
Kopsiopsis hookeri	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.
Lathyrus biflorus	two-flowered pea			1B.1	Lower montane coniferous forest. Endemic to serpentine. 4495 to 4544 ft in elevation. Blooms June-August.
Layia septentrionalis	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.
Legenere limosa	legenere			1B.1	Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
Leptosiphon jepsonii	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.
Lewisia cotyledon var. heckneri	Heckner's lewisia			1B.2	Lower montane coniferous forest. Rocky places. 738 to 6890 ft in elevation. Blooms May-July.
Lewisia stebbinsii	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.
Lupinus antoninus	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.
Lupinus elmeri	South Fork Mountain lupine			1B.2	Lower montane coniferous forest. 4396 to 5906 ft in elevation. Blooms June-July (August).
	C I I M			40.0	Chaparral, cismontane woodland, lower montane coniferous forest, broadleafed 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.
Lupinus sericatus	Cobb Mountain lupine			1B.2	Blooms March-June.
Malacothamnus mendocinensis	Mendocino bush-mallow			1A	Cismontane woodland. Open, roadside banks. 1394 to 1886 ft in elevation. Blooms May-June.
Microseris paludosa	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).
Monotropa uniflora	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).
Montia howellii	Howell's montia			2B.2	Meadows and seeps, north coast coniferous forest, vernal pools. Vernally wet sites; often on compacted soil. 33 to 3297 ft in elevation. Blooms (February), March-May.
Navarretia leucocephala 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.
Navarretia myersii ssp. deminuta	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.

Scientific Name	Table 10a Special-Stat	us Plant Species Known or w	ith Poter	ntial to (Occur in th	ne Northern California Coast Ranges Ecological Section (M261B) within the Treatable Landscape
Seaton Review Seaton State Review State Review Rev						
Namerica risoulta Minifi County varientals 182 Cicced-cone conflorous feets, chapteral Dys, open reddy places can occur on seprentine. 556 to 2038 it in elevation. Blooms May-July. Penstern newberry view sommersis Sonora beadstronge 182 Cicquent Ciccums from the conflorous freet, chapteral Cicquent Pagictority in Minificacy 182 Noth roces conflorous freet, they remained conflorous freet, they remained conflorous freet, they remained conflorous freet, they remained conflorous freet, they remained conflorous freet, they remained they are they are facility in elevation. Blooms Agril-May. Patient grain polity in Minificacy 182 Noth roces conflorous freet, they are facility in elevation. Blooms (March), May September. Patient operation polity in Minificacy 182 Noth roces conflorous freet, they are facility in elevation. Blooms (March), May September. Patient operation polity in the conflorous for the conflor	Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
Persistence metabeny ivar sonomensis Sonoma beartitorique 18.3 Obsparral Crevices in nock outcropts and talus slopes. 591 to 4610 ft in elevation. Blooms April-August. Persistence of the proposition of	Navarretia paradoxinota	Porter's navarretia			1B.3	Meadows and seeps. Serpentinite, openings, vernally mesic, often drainages. 541 to 2756 ft in elevation. Blooms May-June (July).
Peptia candido white flowered rein orchid 182 North coast coniferous forest, broadbarded upland forest. Sometimes on seperatine, Forest duff, mossy banks, rock outrops, and muskeg 148 to 5299 ft in elevation. Blooms (March), May-September, Plastinopeton epitydrus. Nutrillar infloron-evende pront/weed 1282 Marches and swamps. Plantide, sides, etc. prof. (sides, stream, 257 to 705 ft in elevation. Blooms (March), May-September, Plastinopeton profession and stream, prof. of their september. Blooms (June), May-September, Plastinopeton activations and agriculture of the stream, prof. of their september, 180 miles (Plastinopeton activation). Sedura flavours and september, Plastinopeton activation and september and september and september and september. Plastinopeton activation and september and september and september and september and september and september and september. Plastinopeton activation and september and september and september and september. Plastinopeton activation and september and se	Navarretia rosulata	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.
Pagaropoton psilydrus Mysacmus popcorriflower 1A Chaparal, dismontane woodland, valley and foothill grassland. Moist sites, 994 to 1476 ft in elevation. Blooms April-May; Platinopoton psilydrus Phydrus 1 (Samples) and swarps, Shallow waster, porch, sides, stream; Singlation ditches, 996 to 865 ft in elevation. Blooms (June)-July-September. Padamoglaton zoaks and swarps, Shallow waster, porch, sides, stream; Singlation ditches, 996 to 865 ft in elevation. Blooms (June)-July-September. Padamoglaton zoaks and swarps, Shallow waster, porch, sides, stream; 258 to 705 ft in elevation. Blooms (July-September.) Padamoglaton zoaks and swarps, Shallow waster, porch, sides, stream; 258 to 705 ft in elevation. Blooms (July-September.) Padamoglaton zoaks, sides, stream, 258 to 705 ft in elevation. Blooms (July-September.) Padamoglaton zoaks, sides, stream, 258 to 705 ft in elevation. Blooms, July-September. Padamoglaton zoaks, sides, stream, 258 to 705 ft in elevation. Blooms, July-September. Padamoglaton zoaks, sides, stream, July-September. Pada	Penstemon newberryi var. sonomensis	Sonoma beardtongue			1B.3	Chaparral. Crevices in rock outcrops and talus slopes. 591 to 4610 ft in elevation. Blooms April-August.
Potamogetan epilydrus Nuttall's ribbon-leaved pondweed 22.2 Marshes and swamps. Shallow water, ponds, lakes, streams, irrigation ditches, 968 to 8661 ft in elevation. Blooms (June), July September, Potamogetan roseler/formis ell-grass pondweed 22.2 Marshes and swamps. Penus, lakes, streams, 25 to 7055 ft in elevation. Blooms (June), July September, Potamogetan spanish production of the production of the production of the potamogetan policy (Jule), July September, Potamogetan spanish production of the production	Piperia candida	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.
Potanogetion zosteriformis el-grass pondweed 28.2 Marshes and swamps. Ponds, lakes, steams. 295 to 7005 ft in elevation. Blooms June-July. Ramalina triausta anjeb shar lichen 28.1 North coast confirerous forest. On deat lways and other lichens. 246 to 1411 ft in elevation. Blooms May-July. Sidacea mala virifora ssp. patula Sidiyou checkerbioom 18.2 Coastal bluff scrub, coastal prairie, north coast coniferous forest. Open coastal forest, north coast. Open c	Plagiobothrys lithocaryus	Mayacamas popcornflower			1A	Chaparral, cismontane woodland, valley and foothill grassland. Moist sites. 984 to 1476 ft in elevation. Blooms April-May.
Ramalina thrausta angel's hair lichen 28.1 North coast coniferous forest. On dead twigs and other lichens. 246 to 1411 ft in elevation. Blooms. Sedum Baxum spp. eastwoodiae Red Mountain stonecrop 18.2 Coastal bluff struit, coast parinie, north coast coniferous forest. Septembre soils among rocks. 1969 to 3937 ft in elevation. Blooms May-July. Sidaleae analysifora spp. putula Sidybyou checkerbloom 18.2 Coastal bluff struit, coastal parinie, north coast coniferous forest. Open coastal forest, resolutus. 16 to 4117 ft in elevation. Blooms May-August. Sidaleae analysin spp. putula can be checkerbloom 18.2 Meadows and seeps, north coast coniferous forest. Open coastal forest, resonance in elevation. Blooms May-August. Sidaleae analysin spp. putula spp.	Potamogeton epihydrus	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.
Sedum laxim ssp. eastwoodiae Red Mountain stonecrop 18.2 Lower montane confierous forest. Sepentine soils among rocks. 1969 to 3937 ft in elevation. Blooms May-July. Sidakca oregana ssp. esimia coast checkerbloom 18.2 Costal bluff scrub, coastal prairie, north coast coniferous forest. Near mendows, in gravelly soil. 16 to 4117 ft in elevation. Blooms May-Jugust. Sidakca oregana ssp. hydrophila marsh checkerbloom 18.2 Meadows and seeps, princian forest. Wet soil of streambanks, meadows. 3609 to 7546 ft in elevation. Blooms June-August. Streptanthus brachiatus ssp. brachiatus Streptanthus plandulosus ssp. broffmani Hoffman's bristis jewelflower 18.2 Chaparal, cismontane woodland, valley and foothill grassland. Moist, steep rockly banks, in serpentine and non-serpentine soil 197 to 2510 ft in elevation. Blooms March-July. Streptanthus morrisoni sp. elatus Streptanthus morrisoni sp. elatus Three Peals jewelflower 18.2 Chaparal. Serpentine woodland. Openings in chaparal or woodland: Septentine vold land: septentine chocy sharks, in serpentine and non-serpentine soil 197 to 2510 ft in elevation. Blooms Mary-July. Streptanthus morrisoni sp. elatus Streptanthus morrisoni sp. elatus Three Peals jewelflower 18.2 Chaparal. Serpentine barrens, outcrops, and talus. 262 to 2674 ft in elevation. Blooms Mary-July. Streptanthus morrisoni sp. elatus Streptanthus morrisoni sp. elatus Three Peals jewelflower 18.2 Chaparal. Serpentine evoodland. Openi	Potamogeton zosteriformis	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
Sidakea mayilflora ssp. patula Siskiyou checkerbloom 18.2 Coastal bluff scrub, coastal prairie, north coast coniferous forest. Open coastal iforest; roadcuts. 16 to 4117 ft in elevation. Blooms May-August. Sidakea oregana ssp. eximia coast checkerbloom 18.2 Meadows and seeps, north coast coniferous forest. (Newr montane coniferous, in gravelly soil. 16 to 5922 ft in elevation. Blooms May-August. Streptanthus ssp. brainiaus Spentantius ssp. brainiaus Spentantius ssp. brainiaus Spentantius sp. sp. spentantius sp. sp. spentantius sp. sp. spentantius sp. sp. spentantius sp. sp. spentantius sp. sp. spentantius sp. sp. spentantius sp. sp. sp. sp. sp. sp. sp. sp. sp. sp	Ramalina thrausta	angel's hair lichen			2B.1	North coast coniferous forest. On dead twigs and other lichens. 246 to 1411 ft in elevation. Blooms .
Sidakea oregana ssp. eximia 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. Streptanthus brachistus ssp. brochiatus Streptanthus brachistus ssp. broffmani Freed's jewelflower Streptanthus brachistus ssp. broffmani 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 Mary-June. Streptanthus prachistus ssp. broffmani Streptanthus prachistus ssp. broffmani Time Peaks 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. Streptanthus prachistus ssp. broffmani Time Peaks 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. Streptanthus morrisoni ssp. bruckeeping speedllower 1B.2 Chaparral, cismontane woodland, Openings in chaparral or woodland, serpentine, rocky sites. 787 to 2510 ft in elevation. Blooms Mary-July. Streptanthus morrisoni issp. kruckebergis jewelflower 1B.2 Chaparral, Eerpentine barrens, outcrops, and talus. 262 to 2674 ft in elevation. Blooms June-September. Streptanthus morrisoni issp. kruckebergis jewelflower 1B.2 Cismontane woodland, Catertered serpentine outcrops near the Lake/Napa County line. 705 to 3336 ft in elevation. Blooms Mary-July. Streptanthus morrisoni issp. kruckebergis jewelflower 1B.2 Cismontane woodland, Scattered serpentine outcrops near the Lake/Napa County line. 705 to 3336 ft in elevation. Blooms Mary-July. Streptanthus morrisoni issp. kruckebergis jewelflower 1B.2 Cismontane woodland of creative of seep series and definition of the levation. Blooms Mary-July. Streptanthus morrisoni issp. kruckebergis jewelflo	Sedum laxum ssp. eastwoodiae	Red Mountain stonecrop			1B.2	Lower montane coniferous forest. Serpentine soils among rocks. 1969 to 3937 ft in elevation. Blooms May-July.
Sidekea oregana ssp. hydrophila marsh checkerbioom 182 Meadows and seeps, riparian forest. Wet soil of streambanks, meadows. 3609 to 7546 ft in elevation. Blooms (June), July-August. Streptanthus brachiatus ssp, brachiatus Streptanthus brachiatus ssp, brachiatus Streptanthus plandulosus ssp, hoffmanii Streptanthus glandulosus ssp, hoffmanii Streptanthus glandulosus ssp, hoffmanii Streptanthus plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Streptanthus plandulosus ssp, hoffmanii Streptanthus plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii Informatia plandulosus ssp, hoffmanii	Sidalcea malviflora ssp. patula	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.
Streptanthus brachiatus ssp. brachiatus Streptanthus brachiatus ssp. hoffmanii Freed's jewelflower 1B.2 Chaparral, closed-cone coniferous forest. Seprentine areas and serpentine chaparral, 1985 to 6398 ft in elevation. Blooms May-June. Streptanthus plandulosus ssp. hoffmanii 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. Streptanthus hesperidis green 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. Streptanthus morrisonii ssp. knuckebergii Streptanthus morrisonii ssp. knuckebergii Streptanthus morrisonii ssp. knuckebergii Stuckeria filiformis ssp. alpina slender-leaved pondweed 1B.2 Cismontane woodland. Scattered serpentine outcrops near the Lake/Napa County line. 705 to 3396 ft in elevation. Blooms April-July. Stuckeria filiformis 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. Tracyina rostrata 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-July. Trichodon cylindricus Trichodon cylindricus Trichodorn grassy meadows within oak woodland and grassland habitats. 295 to 2592 ft in elevation. Blooms May-June. Trichodorn cylindricus Trifolium buckwestiorum Santa Cruz clover 1B.1 Coastal prairie, broadleafed upland forest, upper montane coniferous forest. Often in open, sunny areas. Also has been found in vernal pools. 98 to 2231 ft in elevation. Blooms April-October. Trifolium buckwestiorum Santa Cruz clover 1B.1 Marshes and swamps, valley and foothill grassland, vernal pools. Mesic, alkaline sites. 0 to 984 ft in elevation. Blooms April-October.	Sidalcea oregana ssp. eximia	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.
Streptanthus brachiatus ssp. hoffmanii 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. Streptanthus hesperidis green 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. Streptanthus morrisonii ssp. elatus Three Peaks jewelflower 1B.2 Chaparral Serpentine barrens, outcrops, and talus. 262 to 2674 ft in elevation. Blooms June-September. Streptanthus morrisonii ssp. kruckebergii Kruckebergii Kruckebergii Stuckenting filformis 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. Thermopsis robusta robusta lase lupine 1B.2 North coast coniferous forest, broadleafed upland forest, Ridgetops; sometimes on serpentine. 1198 to 4610 ft in elevation. Blooms May-July. Trichodon cylindricus cylindrical trichodon 2B.2 Broadleafed upland forest, upper montane coniferous forest. Moss growing in openings on sandy or clay soils on roadsides, 95 to 2592 ft in elevation. Blooms May-Jule. Trifolium buckwestiorum Santa Cruz clover 1B.2 Cismontane woodland, chaparral, valley and foothill grassland. Open grassy meadows within oak woodland and grassland habitats. 295 to 2592 ft in elevation. Blooms May-Jule. Trifolium buckwestiorum 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. Trifolium hydrophilum saline clover 1B.2 Marshes and swamps, valley and foothill grassland, vernal pools. Mexic, alkaline sites. 0 to 984 ft in elevation. Blooms April-October.	Sidalcea oregana ssp. hydrophila	marsh checkerbloom			1B.2	Meadows and seeps, riparian forest. Wet soil of streambanks, meadows. 3609 to 7546 ft in elevation. Blooms (June), July-August.
Streptanthus glandulosus ssp. hoffmanii Hoffman's bristly jewelflower 18.2 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. Streptanthus morrisonii ssp. elatus Three Peaks jewelflower 18.2 Chaparral, cismontane woodland. Openings in chaparral or woodland; serpentine, rocky sites. 787 to 2510 ft in elevation. Blooms May-July. Streptanthus morrisonii ssp. kruckebergii Kruckebergii Kruckebergii Kruckebergii Struckebergii Struckeberg	Streptanthus brachiatus ssp. brachiatus	Socrates Mine jewelflower			1B.2	Chaparral, closed-cone coniferous forest. Serpentine areas and serpentine chaparral. 1985 to 6398 ft in elevation. Blooms May-June.
Streptanthus hesperidis green jewelflower 1B.2 Chaparral, cismontane woodland. Openings in chaparral or woodland; serpentine, rocky sites, 787 to 2510 ft in elevation. Blooms May-July. Streptanthus morrisonii ssp. elatus Three Peaks jewelflower 1B.2 Chaparral. Serpentine barrens, outcrops, and talus, 262 to 2674 ft in elevation. Blooms June-September. Streptanthus morrisonii ssp. kruckebergii Kruckebergii Kruckebergii Kruckebergii kruckebergii Selender-leaved pondweed 1B.2 Cismontane woodland. Scattered serpentine outcrops near the Lake/Napa County line, 705 to 3396 ft in elevation. Blooms April-July. Suckenia filiformis 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. Thermopsis robusta 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. Tracyina rostrata 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. Trichodon cylindricus cylindrical trichodon 2B.2 Broadleafed 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 . Trichostema ruygtii 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. Trifolium hydrophilum saline clover 1B.2 Marshes and swamps, valley and foothill grassland, vernal pools. Mesic, alkaline sites. 0 to 984 ft in elevation. Blooms April-October.	Streptanthus brachiatus ssp. hoffmanii	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.
Streptanthus morrisonii ssp. elatus Three Peaks jewelflower Streptanthus morrisonii ssp. kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii kukelengelergii kruckebergii kruc	Streptanthus glandulosus ssp. hoffmanii	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.
Streptanthus morrisonii ssp. kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Kruckebergii Sender-leaved pondweed 28.2 Marshes and swamps. Shallow, clear water of lakes and drainage channels. 984 to 7054 ft in elevation. Blooms May-July. Thermopsis robusta robust false lupine 18.2 North coast coniferous forest, broadleafed upland forest. Ridgetops; sometimes on serpentine. 1198 to 4610 ft in elevation. Blooms May-July. Tracyina rostrata beaked tracyina beaked tracyina 18.2 Cismontane woodland, valley and foothill grassland. Open grassy meadows within oak woodland and grassland habitats. 295 to 2592 ft in elevation. Blooms May-June. Trichodon cylindricus cylindricus cylindrical trichodon 28.2 Broadleafed 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 . Trichostema ruygtii Napa bluecurls 18.2 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. Trifolium buckwestiorum Santa Cruz clover 18.1 Coastal prairie, broadleafed upland forest, cismontane woodland. Moist grassland, vernal pools. Mesic, alkaline sites. 0 to 984 ft in elevation. Blooms April-June.	Streptanthus hesperidis	green jewelflower			1B.2	Chaparral, cismontane woodland. Openings in chaparral or woodland; serpentine, rocky sites. 787 to 2510 ft in elevation. Blooms May-July.
Stuckenia filiformis 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. Thermopsis robusta 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. Tracyina rostrata beaked tracyina 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. Trichodon cylindricus cylindrical trichodon 2B.2 Broadleafed 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 . Trichostema ruygtii 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. Trifolium buckwestiorum 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. Trifolium hydrophilum 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.	Streptanthus morrisonii ssp. elatus	Three Peaks jewelflower			1B.2	Chaparral. Serpentine barrens, outcrops, and talus. 262 to 2674 ft in elevation. Blooms June-September.
Thermopsis robusta 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. Tracyina rostrata 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. Trichodon cylindricus cylindrical trichodon 2B.2 Broadleafed 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 . Trichostema ruygtii 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. Trifolium buckwestiorum 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. Trifolium hydrophilum 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.	Streptanthus morrisonii ssp. kruckebergii	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.
Tracyina rostrata beaked tracyina cylindricus cylindricus cylindricus cylindricus cylindricus cylindricus cylindricus cylindricus cylindricus beaked tracyina cylindricus cylindricus cylindricus cylindricus beaked tracyina cylindricus cylindricus cylindricus cylindricus cylindricus cylindricus cylindricus cylindricus cylindricus beaked tracyina cylindricus cyli	Stuckenia filiformis 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.
Trichodon cylindricus cylindrical trichodon cylindricus cylindrical trichodon cylindricus cylindrical trichodon cylindricus cylindrical trichodon cylindricus cylindrical trichodon cylindricus cylindrical trichodon cylindricus cylindrical trichodon cylindricus cylindrical trichodon cylindricus	Thermopsis robusta	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.
Trichostema ruygtii 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. Trifolium buckwestiorum 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. Trifolium hydrophilum 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.	Tracyina rostrata	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.
Trifolium buckwestiorum 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. Trifolium hydrophilum 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.	Trichodon cylindricus	cylindrical trichodon			2B.2	Broadleafed 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.
Trifolium hydrophilum 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.	Trichostema ruygtii	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.
	Trifolium buckwestiorum	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.
Viburnum ellipticum oval-leaved viburnum 2B.3 Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.	Trifolium hydrophilum	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.
	Viburnum ellipticum	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.

R = Rare

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

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-State	us Wildlife Species Known or				ur in th	ne Nor	thern C	aliforn	iia Coa	ast Ra										•			·	·			
		Listing	Status				1					CWHR	Types v	vithin ti	ne Trea	table La	andscap	oe 									
Scientific Name	Common Name	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	Valley Foothill Riparian	Valley Oak Woodland	White Fir	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																											
Federal and State Listed/CDFW Fully Pro	otected																										
Ambystoma californiense	California tiger salamander ²	T	T	Х	Х											Χ									Х		<1
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	X	(X	Х	Х	1,529,044
Rana draytonii	California red-legged frog ²	Т	SC	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Х	Х	Χ	(X	Х	Х	514,166
CDFW Species of Special Concern				1	1			ļ			<u> </u>		<u> </u>			Į.							<u> </u>			1	, , ,
Ascaphus truei	Pacific tailed frog ²		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	508,761
Dicamptodon ensatus	California giant salamander ²		SC	Х	Х	Х	Х	Х	Х		Х		Х	Х	Χ	Х	Х	Х	Х	Х		Х	Х	Х	Х		293,024
Rana aurora	northern red-legged frog ²		SC	Х			Х		Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х		Χ		Х	Х	Х	168,280
Rhyacotriton variegatus	southern torrent salamander ²		SC	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	250,048
Spea hammondii	western spadefoot ²		SC	Х	Х		Х		X		, ,	**		Х		Х		Х	,					Х	Х	1	13,958
Taricha rivularis	red-bellied newt ²		SC	Х	X	Х	Х	Χ	X		Χ	Χ	Х	Х	Χ	X	Х	Х		Х		Χ		X	Х		528,980
Birds	rea belied new		30	Λ	X			Λ	Λ		Λ	Λ	Λ		Λ	Λ	^					^		Λ	Λ.		320,300
Federal and State Listed/CDFW Fully Pro	nterted																										
Agelaius tricolor	tricolored blackbird		E SC	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х		240,379
Aquila chrysaetos	golden eagle		FP	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	(X	Χ	Χ	1,529,503
Buteo swainsoni	Swainson's hawk		Т	Х	Χ											Χ									Χ		<1
Elanus leucurus	white-tailed kite		FP	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	1,354,823
Empidonax traillii brewsteri	little willow flycatcher		E	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Х	Χ	(X	Х	Х	1,529,503
Falco peregrinus anatum	American peregrine falcon		FP	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х		(X	Х	χ	1,529,503
Haliaeetus leucocephalus	bald eagle		E FP		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		(X	Х	Х	1,529,503
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Х	Х	Х	Х		Х	Х	Х	Х	Х	1,017,500
Phoebastria albatrus	short-tailed albatross ²	Е	SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х		(X	Х	Х	844,816
Sterna antillarum browni	California least tern ²	E	E FP	Х	Х	Х	Х	-	Х		-		-	Х	-	X		Х						X	Х		13,090
Strix occidentalis caurina	northern spotted owl	Т	T SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	(X	Х	Х	902,423
CDFW Species of Special Concern				<u> </u>	1		1	1		<u> </u>	<u> </u>		<u> </u>		1	I	<u> </u>		<u> </u>		<u> </u>			<u> </u>		1	
Accipiter gentilis	northern goshawk		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		(X	Х	Х	886,024
Ammodramus savannarum	grasshopper sparrow		SC	Х	Χ	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	1,354,823
Asio otus	long-eared owl		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		(X	Х	Х	1,529,503
Athene cunicularia	burrowing owl		SC	Х	Х	X	Х	Х	X	Х	Х	X	Х	Х	Х	Х	Х	X	Х	Х	X	Х		X	Х	Х	1,105,218
			+			 	<u> </u>			- `	'		- 	 	<u> </u>		- `	+		 	- 	 ``		+		+ ~	<1
Aythya americana	redhead ²		SC	Х	Х]					Χ								l l	Χ		< 1

Table 10b Special-Statu	us Wildlife Species Known or v				ur in th	ne Nor	thern C	aliforn	nia Coa	ast Ra																		
		Listing	Status									CWHR	Types v	within t	the Trea	atable La	andscap	oe I							ı			
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Circus cyaneus	northern harrier		SC	Х	Χ	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	Χ	Χ	Х				Х	Χ	Χ	95,596
Contopus cooperi	olive-sided flycatcher		SC	Х	Χ	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	1,472,750
Icteria virens	yellow-breasted chat		SC	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Х	Х	Χ		Χ	Χ	Χ	1,413,374
Ixobrychus exilis	least bittern ²		SC	Х	Χ	Х	Х	Χ	Х		Χ			Х		Х	Χ	Х		Χ						Χ		41,339
Lanius Iudovicianus	loggerhead shrike		SC	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ		Χ	Χ	Х	1,066,024
Passerculus sandwichensis alaudinus	Bryant's savannah sparrow		SC	Χ			Χ		Х		Χ			Χ	Х	Х	Χ	Х		Χ		Х				Χ		25
Pelecanus erythrorhynchos	American white pelican ²		SC	Х	Χ											Х										Χ		<1
Progne subis	purple martin		SC	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Х	Χ	Χ		χ	Χ	Χ	1,505,723
Setophaga petechia	yellow warbler		SC	Х	Χ	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ	1,445,165
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Х	Χ	Х	Х	Χ			Χ			Χ		Х	Χ	Х		Χ						Χ		34,712
Invertebrates	12																											
Federal and State Listed/CDFW Fully Pro	tected																											
Bombus crotchii	Crotch bumble bee ²		С	Х	Х	Х		Χ	Х	Χ	Χ	Χ	Χ			Х	Х	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	575,422
Bombus occidentalis occidentalis	western bumble bee ²		С	Х	Χ	Χ		Χ	Χ		Χ	Χ	Χ			Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	1,354,604
Branchinecta conservatio	conservancy fairy shrimp ²	E		Х	Χ	Χ	Х	Χ	Χ		Χ		Χ	Χ		Х	Χ	Χ	Χ	Χ						Χ		109,504
Branchinecta lynchi	vernal pool fairy shrimp ²	T		Х	Χ	Χ	Х	Χ	Χ					Χ		Х		Χ	Χ	Χ					Χ	Χ		14,733
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	T		Х	Χ	Χ	Х		Χ					Χ		Х		Χ								Χ		5,149
Elaphrus viridis	Delta green ground beetle	T		Х	Χ	Χ	Х		Χ					Χ		Х		Χ								Χ		4,395
Lepidurus packardi	vernal pool tadpole shrimp ²	E		Х	Χ	Χ	Х	Χ			Χ		Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Х						Χ	32,412
Monadenia infumata setosa	Trinity bristle snail		T	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	1,529,503
Speyeria zerene hippolyta	Oregon silverspot butterfly	Т		Х		Χ	Х				Χ		Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Χ						Χ	17,056
Syncaris pacifica	California freshwater shrimp ²	Е	Е	Х	Χ	Χ	Х	Χ	Χ		Χ		Χ	Χ	Х	Х	Х	Χ	Χ	Χ		Χ	Χ		Χ	Χ		262,227
Mammals																												
Federal and State Listed/CDFW Fully Pro	tected																											
Bassariscus astutus	ringtail		FP	Χ	Х	Х	Χ	Х	Х	Х	Χ	Χ	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	1,529,503
Canis lupus	gray wolf	Е	Е	Х		Х	Х				Χ		Х	Χ	Х	Х	Χ	Х	Χ	Χ	Х						Х	17,042
Gulo gulo	California wolverine	С	T FP	Х					Х	Χ	Х	Х	Х	Χ	Х	Х	Χ	Х	Χ			Х			Х		Х	49,577
Martes caurina humboldtensis	Humboldt marten		E SC	Х			Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х			Х		Х	198,931
Microtus californicus scirpensis	Amargosa vole	Е	Е	Х	Х	Х	Χ	Χ	Х	Х	Χ		Χ	Χ	Х	Х	Χ	Х	Χ	Χ		Χ	Χ		Χ	Х	Χ	499,158
Pekania pennanti	fisher - West Coast DPS		T SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	1,008,643
Vulpes vulpes necator	Sierra Nevada red fox	С	Т	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	1,529,503
<u> </u>	L	_1		·	1	·	1		L	1	·	·	1			1	·		·	·	·							

		Listing	Status			1						CWHR	Types v	vithin t	he Trea	table La	andscap	e		Υ.	•							
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
CDFW Species of Special Concern			•		!	Ţ	•			•			1			ļ	!	,		!	Į.							
Antrozous pallidus	pallid bat		SC	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	χ	Χ	1,529,503
Arborimus albipes	white-footed vole		SC	Х					Χ		Χ		Χ		Χ	Χ	Χ	Χ									Χ	24
Arborimus pomo	Sonoma tree vole		SC	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ			Χ	Χ	Χ	1,082,548
Corynorhinus townsendii	Townsend's big-eared bat		SC	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	χ	Χ	1,529,503
Lasiurus blossevillii	western red bat		SC	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	1,109,668
Lepus americanus klamathensis	Oregon snowshoe hare		SC	Χ	Χ	Χ	Х				Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ			Χ			Χ	17,384
Taxidea taxus	American badger		SC	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	1,529,503
Reptiles																												
CDFW Species of Special Concern																												
Emys marmorata	western pond turtle ²		SC	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Х	X	X	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	1,529,456

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 11a Special-Stat	us Plant Species Known or w	ith Poter	ntial to (Occur in t	he Northern California Interior Coast Ranges Ecological Section (M261C) within the Treatable Landscape
		L	isting Sta	tus	
				California	
Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
				Rank	
Federal and State Listed					
	Tracide origination		R	3.2	Changeral circumstane woodland valley and feetbill graceland. Crayally shale or slav often in open areas 1022 to 5200 ft in elevation. Please May July
Eriastrum tracyi	Tracy's eriastrum		E		Chaparral, cismontane woodland, valley and foothill grassland. Gravelly shale or clay; often in open areas. 1033 to 5299 ft in elevation. Blooms May-July.
Gratiola heterosepala	Boggs Lake hedge-hyssop	т т	_	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. Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
Orcuttia tenuis	slender Orcutt grass		E	1B.1	
Sidalcea keckii	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	and the month had before the fail	l		10.1	Ville and Codd illuminated in the control of Mark was a fabric of control and other descriptions (10 to 4000 ft) and other fabric of the control of the cont
Acmispon rubriflorus	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.
Amsinckia lunaris	bent-flowered fiddleneck			1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. 10 to 2608 ft in elevation. Blooms March-June.
Arctostaphylos manzanita ssp. elegans	Konocti manzanita			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Volcanic soils. 738 to 6004 ft in elevation. Blooms January-May (July).
Astragalus rattanii var. jepsonianus	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.
Astragalus tener var. ferrisiae	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.
Balsamorhiza macrolepis	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
Brasenia schreberi	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.
Brodiaea matsonii	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.
Castilleja rubicundula var. rubicundula	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.
Centromadia parryi ssp. parryi	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.
Chlorogalum pomeridianum var. minus	dwarf soaproot			1B.2	Chaparral. Serpentine. 1001 to 3281 ft in elevation. Blooms May-August.
Cryptantha crinita	silky cryptantha			1B.2	Cismontane woodland, valley foothill grassland, lower montane coniferous forest, riparian woodland. In gravelly streambeds. 115 to 4003 ft in elevation. Blooms April-May.
Cryptantha excavata	deep-scarred cryptantha			1B.1	Cismontane woodland. Sandy, gravelly, dry streambanks. 328 to 1640 ft in elevation. Blooms April-May.
Downingia pusilla	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.
Eryngium jepsonii	Jepson's coyote-thistle			1B.2	Vernal pools, valley and foothill grassland. Clay. 10 to 984 ft in elevation. Blooms April-August.
Eschscholzia rhombipetala	diamond-petaled California poppy			1B.1	Valley and foothill grassland. Alkaline, clay slopes and flats. 98 to 2051 ft in elevation. Blooms March-April.
Euphorbia ocellata ssp. rattanii	Stony Creek spurge			1B.2	Valley and foothill grassland, chaparral. Sandy or rocky soils. 279 to 2625 ft in elevation. Blooms May-October.
Extriplex joaquinana	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 Distichlis spicata, Frankenia, etc. 3 to 2740 ft in elevation. Blooms April-October.
Fritillaria pluriflora	adobe-lily			1B.2	Chaparral, cismontane woodland, foothill grassland. Usually on clay soils; sometimes serpentine. 148 to 3100 ft in elevation. Blooms February-April.
Harmonia hallii	Hall's harmonia			1B.2	Chaparral. Serpentine hills and ridges. Open, rocky areas within chaparral. 1099 to 3051 ft in elevation. Blooms April-June.
Hesperolinon bicarpellatum	two-carpellate western flax			1B.2	Serpentine chaparral. Serpentine barrens at edge of chaparral. 197 to 3297 ft in elevation. Blooms May-July.
Hesperolinon breweri	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.
Hesperolinon sharsmithiae	Sharsmith's western flax			1B.2	Chaparral. Serpentine substrates. 886 to 984 ft in elevation. Blooms May-July.
Hesperolinon tehamense	Tehama County western flax			1B.3	Chaparral, cismontane woodland. Serpentine barrens in chaparral. 328 to 4101 ft in elevation. Blooms May-July.
Horkelia bolanderi	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.
Horkelia daucifolia var. indicta	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.
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush			1B.1	Chaparral, valley and foothill grassland, cismontane woodland, vernal pools, meadows and seeps. Vernally mesic sites. Sometimes on edges of vernal pools. 98 to 3363 ft in elevation. Blooms March-June.
Layia septentrionalis	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.
Legenere limosa	legenere			1B.1	Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
Leptosiphon jepsonii	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-Sta	ntus Plant Species Known or w	vith Poter	ntial to (Occur in t	he Northern California Interior Coast Ranges Ecological Section (M261C) within the Treatable Landscape
		L	isting Sta	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Lupinus sericatus	Cobb Mountain lupine			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest, broadleafed 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.
Navarretia leucocephala 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.
Navarretia nigelliformis 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.
Paronychia ahartii	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.
Plagiobothrys hystriculus	bearded popcornflower			1B.1	Vernal pools, valley and foothill grassland. Wet sites. 0 to 902 ft in elevation. Blooms April-May.
Puccinellia simplex	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernally mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
Sagittaria sanfordii	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).
Streptanthus hesperidis	green jewelflower			1B.2	Chaparral, cismontane woodland. Openings in chaparral or woodland; serpentine, rocky sites. 787 to 2510 ft in elevation. Blooms May-July.
Trifolium piorkowskii	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.
Viburnum ellipticum	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.

Listing Status California Rare Plant Rank

E = Endangered 1B = Plants rare, threatened, or endangered in California and elsewhere T = Threatened 2B = Plants rare or endangered in California, but more common elsewhere

R = Rare 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)

Table 11b Special-Status	Wildlife Species Known or wit				r in the	North	ern Cal	ifornia									51C)						
		Listing	Status					· ·	C	WHR I	ypes w	ithin the	e Treata	ible Lai	ndscap								
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians							,											•		•			
Federal and State Listed/CDFW Fully Prote	ected																						
Ambystoma californiense	California tiger salamander ²	T	T	Χ	Х	Χ	Х		Χ				Χ		Χ		Χ				Χ	Χ	10,087
Hydromantes shastae	Shasta salamander		T	X	Χ	Χ					Χ		Χ		Х	Χ				Χ	Χ		<1
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	692,730
Rana draytonii	California red-legged frog ²	T	SC	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Х	Χ	Χ	895,336
CDFW Species of Special Concern																							
Ascaphus truei	Pacific tailed frog ²		SC	Х	Х	Χ	Х			Χ	Χ		Х	Χ	Х	Χ			Χ	Х	Χ	Х	67,029
Lithobates pipiens	northern leopard frog ²		SC	Х	Х	χ									Х						Χ	Х	21,002
Spea hammondii	western spadefoot ²		SC	Х	Х	χ	Х		Χ	Χ		Χ	Χ		Χ	Χ	Х	Χ		Χ	Χ	Х	605,655
Birds																							
Federal and State Listed/CDFW Fully Prote	ected																					•	
Agelaius tricolor	tricolored blackbird		E SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	904,575
Antigone canadensis tabida	greater sandhill crane		T FP	Х	Х							Х			Х						Х		<1
Aquila chrysaetos	golden eagle		FP	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	904,575
Buteo swainsoni	Swainson's hawk		T	Х	Х	Χ	Х		Χ			Χ	Χ		Χ		Χ	Χ			Χ	Χ	67,141
Elanus leucurus	white-tailed kite		FP	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	904,575
Empidonax traillii	willow flycatcher		Е	Х	Х	Χ					Χ		Х		Χ	Χ			Χ	Χ	Χ	Χ	23,203
Empidonax traillii brewsteri	little willow flycatcher		Е	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	904,575
Falco peregrinus anatum	American peregrine falcon		FP	Χ	Х	Χ	Х	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	904,575
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	904,575
Passerculus sandwichensis beldingi	Belding's savannah sparrow		Е	Х	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Х	Χ	Χ	904,575
Riparia riparia	bank swallow		Т	Х	Х	Χ	Х		Χ	Χ		Χ	Х		Х		Х				Х	Χ	65,661
Sterna antillarum browni	California least tern ²	Е	E FP	Х	Х	Х	Х		Х	Х			Х		Х		Х					Х	4,022
Strix occidentalis caurina	northern spotted owl	Т	T SC	Х	Х	Х	Х				Х		Х	Х	Х	Х			Χ	Х	Χ	Х	11,310
CDFW Species of Special Concern																							
Accipiter gentilis	northern goshawk		SC	Х	Χ	Χ	Χ				Χ		Χ	Χ	Χ	Χ			Χ	Χ	Χ	Χ	29,501
Ammodramus savannarum	grasshopper sparrow		SC	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	904,575
Asio otus	long-eared owl		SC	Х	Х	Χ	Х	Х	Χ		Х		Х	Х	Х	Χ	Х	Χ	Χ	Х	Χ	Χ	<1
Athene cunicularia	burrowing owl		SC	Χ	Х	Χ	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Х	Χ	Χ	904,575
Aythya americana	redhead ²		SC	Х	Х		Х		Χ						Х		Χ					Χ	<1

Table 11b Special-Statu	us Wildlife Species Known or w			o Occu	r in the	North	ern Cal	ifornia									1C)						
		Listing	Status		1				<u> </u>	WHR I	ypes w	ithin the	e Treata	ible Lai	ndscap I	e		1		1	l		
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Chaetura vauxi	Vaux's swift		SC	Χ	Х	Χ	Х				Х		Х	Х	Х	Х			Χ	Х	Х		<1
Charadrius montanus	mountain plover		SC	Х	Х	Χ	Х								Х						Х	Χ	<1
Chlidonias niger	black tern ²		SC	Χ	Х		Х															Χ	227
Circus cyaneus	northern harrier		SC	Χ	Х	Χ	Х	Χ	Χ	Х	Х	Х	Х	Χ	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	904,575
Contopus cooperi	olive-sided flycatcher		SC	Х	Х	Х	Х	Х	Х		Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	<1
Grus canadensis canadensis	lesser sandhill crane		SC	Х	Х	X									X					† ·	Х	Х	7,899
Icteria virens	vellow-breasted chat		SC	Χ	Х	Х	Х		Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	712,050
Lanius Iudovicianus	loggerhead shrike		SC	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	904,575
Melospiza melodia mailliardi	Modesto song sparrow		SC	Χ	Х	Х	Х								Х		Х				Х	Х	<1
Pelecanus erythrorhynchos	American white pelican ²		SC	Χ	Х	Х	Х		Х				Х		Х		Х	Х			Х	Χ	54,979
Progne subis	purple martin		SC	Χ	Х	Х	Х	Х	Х		Χ		Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	<1
Setophaga petechia	vellow warbler		SC	Χ	X	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х			Х	Х	Х	Χ	292,391
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Χ	Х	Х	Х		Х			Х	Х		Х		Χ	Х			Х	Χ	55,547
Invertebrates	,																						
Federal and State Listed/CDFW Fully Pro	tected																			•	•		
Bombus crotchii	Crotch bumble bee ²		С	Х	Х	Х		Х	Х	Х	Х				Х	Х	Х	Х	Х	Х	Х	Х	583,476
Bombus occidentalis occidentalis	western bumble bee ²		С	Χ	Х	Х		Χ	Х		Х				Х	Х	Χ	Х	Х	Х	Х	Х	844,959
Branchinecta conservatio	conservancy fairy shrimp ²	Е		Χ	Х	Х	Х		Х	Х		Х	Х		Х	Х	Χ	Х	Х	Х	Х	Х	229,341
Branchinecta lynchi	vernal pool fairy shrimp ²	Т		Χ	Х	Χ	Х	Χ	Χ	Х	Х	Х	Χ		Х	Х	Х	Χ	Χ	Х	Х	Χ	770,637
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	Т		Χ	Х	Χ	Х		Χ	Х		Х	Χ		Х		Х	Χ			Х	Χ	482,712
Elaphrus viridis	Delta green ground beetle	Т		Χ	Х	Χ	Х		Χ	Х			Х		Х		Χ					Χ	4,022
Lepidurus packardi	vernal pool tadpole shrimp ²	Е		Χ	Х	Χ	Х		Χ	Х	Х	Х	Χ	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Χ	760,568
Monadenia infumata setosa	Trinity bristle snail		T	Χ	Х	Χ	Х	Χ	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	904,575
Pacifastacus fortis	Shasta crayfish ²	Е	Е	Χ	Х	Χ					Х		Χ		Χ	Χ			Χ	Х	Χ	Χ	22,563
Speyeria zerene hippolyta	Oregon silverspot butterfly	Т		Χ	Х	Χ					Х		Х	Χ	Х	Х			Χ	Х			1,322
Syncaris pacifica	California freshwater shrimp ²	Е	Е	Χ	Х	Χ	Х		Х	Х			Χ		Χ		Χ	Х			Χ	Χ	31,066
Mammals																							
Federal and State Listed/CDFW Fully Pro	tected																						
Bassariscus astutus	ringtail		FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	904,575
Canis lupus	gray wolf	E	Е	Χ	Χ	Х					Х		Х	Х	Х	Х			Х	Х			1,400
Microtus californicus scirpensis	Amargosa vole	E	Е	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	901,910
Pekania pennant	fisher-West Coast DPS		T SC	Х	Х	Х	Х				Х		Х	Х	Х	Х			Х	Х		Χ	8,498
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	904,575

Table 11b Special-Status Wildlife Species Known or with Potential to Occur in the Northern California Interior Coast Ranges Ecological Section (M261C)																							
		Listing	Status						C	WHR 1	Types w	ithin the	Treata	ble Lar	dscap	е							
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
CDFW Species of Special Concern		•			•	•					•	•						•		•	•	•	
Antrozous pallidus	pallid bat		SC	Χ	Χ	Χ	X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	904,575
Corynorhinus townsendii	Townsend's big-eared bat		SC	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	904,575
Euderma maculatum	spotted bat		SC	Χ	Х	Χ					Χ		Χ		Χ	Χ			Χ	Χ	Χ	Χ	30,925
Eumops perotis californicus	western mastiff bat		SC	Χ	Х	Χ							Χ		Χ	Χ			Χ	Χ	Χ	Χ	6,523
Lasiurus blossevillii	western red bat		SC	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	904,575
Lepus americanus klamathensis	Oregon snowshoe hare		SC	Χ	Х	Χ	Х				Χ		Χ	Χ	Χ	Χ			Χ	Χ	Χ		23,152
Taxidea taxus	American badger		SC	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	904,575
Reptiles																							
Federal and State Listed/CDFW Fully Protection	cted																						
Thamnophis gigas	giant garter snake ²	T	T	Χ	Х	Χ	Х								Χ			Χ			Х	Χ	2,241
CDFW Species of Special Concern																							
Emys marmorata	western pond turtle ²		SC	Χ	Х	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	904,575

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 12a Special-Stat	us Plant Species Known or w	vith Poter	ntial to C	Occur in tl	he Northwestern Basin and Range Ecological Section (342B) within the Treatable Landscape
		L	isting Stat	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant	Habitat Desription
		rederai	State	Rank	
California Rare Plant Ranked				0.7.0	
Alisma gramineum	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
Allium atrorubens var. atrorubens	Great Basin onion	1		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.
Arnica fulgens	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).
Astragalus agrestis	field milk-vetch			2B.2	Great Basin scrub, meadows and seeps. Vernally mesic sites. 5118 to 5299 ft in elevation. Blooms April-July (August).
Astragalus argophyllus var. argophyllus	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.
Astragalus geyeri var. geyeri	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.
Astragalus pulsiferae var. pulsiferae	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).
Atriplex argentea var. hillmanii	Hillman's silverscale			2B.2	Great Basin scrub, meadows and seeps. Alkaline meadows in scrub. 2936 to 5217 ft in elevation. Blooms June-September.
Atriplex gardneri var. falcata	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.
Balsamorhiza serrata	serrated balsamroot			2B.3	Great Basin scrub. Rocky sites. 4790 to 5249 ft in elevation. Blooms May-June.
Chylismia claviformis ssp. cruciformis	cruciform evening-primrose			2B.3	Chenopod scrub, Great Basin scrub. Clay soils. 3986 to 4806 ft in elevation. Blooms May-July.
Claytonia umbellata	Great Basin claytonia			2B.3	Subalpine coniferous forest. Talus slopes, stony flats, crevices. 5594 to 11483 ft in elevation. Blooms May-August.
Cleomella hillmanii var. hillmanii	Hillman's cleomella			2B.2	Great Basin scrub, chenopod scrub. Clay soils. 3986 to 4806 ft in elevation. Blooms April-June.
Cryptantha celosioides	cocks-comb cat's-eye			2B.3	Pinyon and juniper woodland. 4298 to 6299 ft in elevation. Blooms July-August.
Delphinium stachydeum	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.
Dimeresia howellii	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.
Diplacus cusickioides	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.
Downingia laeta	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.
Eremothera minor	Nelson's evening-primrose			2B.3	Chenopod scrub, Great Basin scrub. Sandy slopes, flats. 3937 to 4528 ft in elevation. Blooms April-July.
Eriogonum microthecum var. schoolcraftii	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.
Eriogonum nutans var. nutans	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).
Eriogonum ochrocephalum var. ochrocephalum	ochre-flowered buckwheat			2B.2	Great Basin scrub, pinyon and juniper woodland. Volcanics or clay. 3937 to 7907 ft in elevation. Blooms May-June.
Eriogonum prociduum	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.
Erythranthe inflatula	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.
Galium glabrescens ssp. modocense	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.
Geum aleppicum	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
Hymenoxys lemmonii	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.
Ivesia sericoleuca	Plumas ivesia			1B.2	Wetland Great Basin scrub, lower montane coniferous forest, meadows and seeps, vernal pools. Vernally mesic areas; usually volcanic substrates. 4314 to 7005 ft in elevation. Blooms May-October.
Juncus luciensis	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.
Ladeania lanceolata	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.
Lathyrus rigidus	rigid pea			2B.2	Great Basin scrub, pinyon and juniper woodland. Often in disturbed areas. 4987 to 6004 ft in elevation. Blooms April-August.
Loeflingia squarrosa var. artemisiarum	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.
Lomatium foeniculaceum ssp. macdougali				2B.2 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.
	Gray's lomatium	+		2B.2 2B.3	Great Basin scrub, pinyon and juniper woodland. 4593 to 6512 ft in elevation. Blooms April-June.
Lomatium grayi Lomatium hendersonii	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.
		+			
Lomatium ravenii var. paiutense	Paiute Iomatium			2B.3	Great Basin scrub in rocky, gravely, volcanic with underlyihng clay. 2887 to 5512 ft in elevation. Blooms April-June.

		L	isting Stat	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Lomatium ravenii var. ravenii	Raven's lomatium			1B.3	Great Basin scrub. Open, slightly alkaline flats, poorly drained adobe soils. Often with Artemisia tridentata, Grayia, etc. 3986 to 7201 ft in elevation. Blooms April-June.
Lupinus pusillus var. intermontanus	intermontane lupine			2B.3	Great Basin scrub. Sandy soils. 3888 to 6759 ft in elevation. Blooms May-June.
Mertensia longiflora	long bluebells			2B.2	Great Basin scrub, lower montane coniferous forest. 4347 to 6004 ft in elevation. Blooms April-June.
Mertensia oblongifolia var. amoena	beautiful sagebrush bluebells			2B.2	Great Basin scrub, meadows and seeps. 5348 to 7595 ft in elevation. Blooms April-July.
Mertensia oblongifolia var. oblongifolia	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.
Micromonolepis pusilla	dwarf monolepis			2B.3	Great Basin scrub. Alkaline sites, openings. 4446 to 7201 ft in elevation. Blooms May-August.
Orobanche ludoviciana var. arenosa	Suksdorf's broom-rape			2B.3	Great Basin scrub. 4413 to 6480 ft in elevation. Blooms June-September (October).
Pedicularis centranthera	Great Basin lousewort			2B.3	Great Basin scrub. Alluvial fans; dry, ashy loam w/Artemisia tridentata, Juniperus, Chrysothamnus, etc. 4413 to 4610 ft in elevation. Blooms April-June.
Penstemon sudans	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).
Phacelia gymnoclada	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).
Phacelia inundata	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).
Plagiobothrys salsus	desert popcornflower			2B.2	Playas (alkaline). Moist, alkaline mud flats. 1985 to 4954 ft in elevation. Blooms May-August.
Polyctenium williamsiae	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.
Polygala subspinosa	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.
Potamogeton zosteriformis	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
Potentilla newberryi	Newberry's cinquefoil			2B.3	Marshes and swamps, vernal pools. Receding shorelines; drying wetland margins. 4216 to 6332 ft in elevation. Blooms May-August.
Pyrrocoma lucida	sticky pyrrocoma			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.
Ribes hudsonianum var. petiolare	western black currant			2B.3	Riparian scrub. Along creeks with Salix, Heracleum, etc. 4921 to 7316 ft in elevation. Blooms May-July.
Rumex venosus	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.
Salix bebbiana	Bebb's willow			2B.3	Riparian scrub, marshes and swamps. Streambanks, lakeshores. 3937 to 7316 ft in elevation. Blooms May.
Sidalcea multifida	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.
Sphaeralcea grossulariifolia	currant-leaved desert mallow			2B.3	Chenopod scrub, Great Basin scrub. Volcanic soils. 3937 to 6890 ft in elevation. Blooms May-October.
Stachys pilosa	hairy marsh hedge-nettle			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 2575 to 6709 ft in elevation. Blooms June-August.
Stanleya viridiflora	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.
Suaeda occidentalis	western seablite			2B.3	Great Basin scrub. Alkaline soils; mesic sites. 3986 to 4413 ft in elevation. Blooms July-September.
Synthyris missurica ssp. missurica	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).
Thelypodium howellii ssp. howellii	Howell's thelypodium			1B.2	Great Basin scrub, meadows and seeps. Moist alkaline meadows. 3297 to 6709 ft in elevation. Blooms May-July.
Thelypodium integrifolium ssp. complanatum	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.
Thelypodium milleflorum	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.
Trifolium gymnocarpon ssp. plummerae	Plummer's clover	T		2B.3	Great Basin scrub, pinyon and juniper woodland. 4790 to 6299 ft in elevation. Blooms May-June.

California Rare Plant Rank

Threat Ranks

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

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

^{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 12b Special-Status Wildlife S	Species Known or with Potential to C	Occur in t	he Nort	hwestern	Basin an	d Range	Ecologic	al Sectio	n (342B	5)										
·			Status							-	hin the Tr	reatable L	andscape							
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																				
Federal and State Listed/CDFW Fully Protected		_				-											_			
Rana pretiosa	Oregon spotted frog ²	T	SC	Х	Х	Х	X	Х	Х	Χ			Х		Χ	Х	Х	Χ	Х	856
Rana sierra	Sierra Nevada yellow-legged frog ²	Е	T		Х		Х	Х		Χ	Х	Х	Χ	Х	Χ	Χ	Х	Χ		<1
CDFW Species of Special Concern																				
Ambystoma macrodactylum sigillatum	southern long-toed salamander ²		SC				Х													<1
Lithobates pipiens	northern leopard frog ²		SC	Х	Х	Х	Х	Х	Х	Χ				Х	Χ	Х	Х			4,012
Birds																				
Federal and State Listed/CDFW Fully Protected																				
Agelaius tricolor	tricolored blackbird		E SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	47,285
Antigone canadensis tabida	greater sandhill crane		T FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	276,953
Aquila chrysaetos	golden eagle		FP	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	276,953
Buteo swainsoni	Swainson's hawk		T	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	276,953
Charadrius alexandrinus nivosus	western snowy plover ²	Т	SC	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Χ	Х	Х	Х		24,372
Falco peregrinus anatum	American peregrine falcon		FP	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	276,953
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	276,953
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	276,953
Riparia riparia	bank swallow		T		Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х			17,201
Strix nebulosa	great gray owl		E		Х	Х	Х	Х		Χ	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	64
CDFW Species of Special Concern																				
Accipiter gentilis	northern goshawk		SC	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	54,868
Asio flammeus	short-eared owl		SC	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	276,953
Asio otus	long-eared owl		SC	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	276,953
Athene cunicularia	burrowing owl		SC	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	276,953
Aythya Americana	redhead ²		SC	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	276,953
Centrocercus urophasianus	greater sage-grouse		SC	Х	Х	Х	Х	Х	Х	Χ	Χ		Х	Х	Χ		Х	Х	Х	189,623
Chaetura vauxi	Vaux's swift		SC	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	9,793
Chlidonias niger	black tern ²		SC	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	276,953
Circus cyaneus	northern harrier		SC	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	276,953
Contopus cooperi	olive-sided flycatcher		SC		Х	Χ	Х	Х	Х	Χ	Χ	Х	Х	Х	Χ	Χ	Х	Χ		<1
Coturnicops noveboracensis	yellow rail ²		SC	Х	Х										Х		Х			-
'	Ľ			I	I	L	I	1	1	1	·	1	1	L	1	1	·	·	1	

Table 12b Special-Status Wildlif	e Species Known or with Potential to C	occur in 1	he Nort	hwestern	. Basin an	d Range	Fcologic	al Sectio	on (342F	3)										
Tubic 125 Special Status Whali	e species known of with Fotential to c		Status	IIWesterr	i Basiii aii	a range	Leologie	ui Seetie			thin the Ti	reatable La	andscape							
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Icteria virens	yellow-breasted chat		SC		Х	Х		Х									Х	Χ		6,352
Ixobrychus exilis	least bittern ²		SC	Х	Х	Х		Х			Х	Х	Х	Χ		Х	Х	Χ		8,827
Lanius Iudovicianus	loggerhead shrike		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	276,953
Pelecanus erythrorhynchos	American white pelican ²		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	276,953
Progne subis	purple martin		SC		Х		Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х		<1
Setophaga petechia	yellow warbler		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	276,953
Strix occidentalis occidentalis	California spotted owl		SC				Х	Х			Х	Х	Х		Χ	Χ	Х	Х	Χ	1,810
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Х	276,953
Invertebrates			<u>'</u>	-	<u>'</u>	<u> </u>	<u> </u>		<u> </u>	- †	'	,	,				<u>'</u>			
Federal and State Listed/CDFW Fully Protected																				
Bombus occidentalis occidentalis	western bumble bee ²		С		Х	Х		Х				Х	Х	Х	Χ	Χ		Х	Х	10,145
Bombus suckley	Suckley cuckoo bumble bee ²		С		Х	Х		Х					Х	Х	Χ	Χ		Х	Χ	4,961
Monadenia infumata setosa	Trinity bristle snail		Т	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Х	276,925
Pseudocopaeodes eunus obscurus	Carson wandering skipper	Е		Х	Х	Х		Х	Х		Х	Х	Х	Χ		Χ	Х	Х		88,170
Speyeria callippe callippe	callippe silverspot butterfly	Е		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Χ	205,933
Mammals																		•	•	
Federal and State Listed/CDFW Fully Protected																				
Bassariscus astutus	ringtail		FP		Х		Х	Х	Х		Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	6,783
Canis lupus	gray wolf	E	Е	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	30,652
Gulo gulo	California wolverine	С	T FP		Х		Х	Х			Х	Х	Х	Х	Х	Х	Х	Х	Х	3,826
Microtus californicus scirpensis	Amargosa vole	E	E															Χ		<1
Pekania pennanti	fisher-West Coast DPS		T SC		Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		3,205
Sorex ornatus relictus	Buena Vista Lake ornate shrew	Е	SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Χ	205,933
Vulpes vulpes necator	Sierra Nevada red fox	С	Т	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	70,926
CDFW Species of Special Concern			II.		•					•		•	•		·		•			
Antrozous pallidus	pallid bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	276,953
Aplodontia rufa californica	Sierra Nevada mountain beaver		SC		Х			Х			Х	Х					Х	Х		208
Brachylagus idahoensis	pygmy rabbit		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	276,953
Corynorhinus townsendii	Townsend's big-eared bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	276,953
Euderma maculatum	spotted bat		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Χ	276,953
Lepus americanus klamathensis	Oregon snowshoe hare		SC	Х	Х	Х		Х		1	Х	Х	Х	Х		Χ	Х	Х		3,595
Lepus townsendii townsendii	western white-tailed jackrabbit		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	276,953

Table 12b Special-Status Wildlife S	Species Known or with Potential to O	occur in t	he Nort	hwestern	Basin an	d Range	Ecologic	al Sectic	on (342B	3)										
		Listing	Status						CWHR 7	Types wit	thin the Tr	eatable La	andscape							
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Taxidea taxus	American badger		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	276,953
Urocitellus mollis	Piute ground squirrel		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	276,953

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 treatable, 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.

T	· Pl · C · · · · ·		1		
Table 13a Special-Sta	tus Plant Species Known or w				ne Sierra Nevada Ecological Section (M261E) within the Treatable Landscape
		LI	sting Stat	tus	
Scientific Name	Common Name			California	Habitat Desription
		Federal	State	Rare Plant Rank	
Federal and State Listed					
Brodiaea insignis	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.
Calystegia stebbinsii	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.
Carex tompkinsii	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.
Carpenteria californica	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.
Clarkia lingulata	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.
Clarkia springvillensis	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.
Deinandra mohavensis	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).
Eriastrum tracyi	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.
Eriophyllum congdonii	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 Quercus douglasii, Aesculus californica. 1640 to 6234 ft in elevation. Blooms April-June.
Fremontodendron decumbens	Pine Hill flannelbush	Е	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.
Fritillaria striata	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.
Ivesia webberi	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.
Lewisia congdonii	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.
Lupinus citrinus var. deflexus	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.
Monolopia congdonii	San Joaquin woollythreads	Е		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.
Packera layneae	Layne's ragwort	Т	R	1B.2	Chaparral, cismontane woodland. Ultramafic soil (serpentine or gabbro); occasionally along streams. 656 to 3560 ft in elevation. Blooms April-August.
Rorippa subumbellata	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.
Sidalcea covillei	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.
Sidalcea stipularis	Scadden Flat checkerbloom		Е	1B.1	Marshes and swamps. Wet montane marshes fed by springs. 2297 to 2428 ft in elevation. Blooms July-August.
California Rare Plant Ranked					
Agrostis humilis	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.
Allium abramsii	Abrams' onion			1B.2	Lower montane coniferous forest, upper montane coniferours forest. On sandy soils, derived from disintegrated granite. 3199 to 10007 ft in elevation. Blooms May-July.
Allium atrorubens var. atrorubens	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.
Allium howellii var. clokeyi	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.
Allium jepsonii	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.
Allium shevockii	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.
Allium tribracteatum	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.
Arabis rigidissima var. demota	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.
Arctostaphylos nissenana	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.
Artemisia tripartita ssp. tripartita	threetip sagebrush			2B.3	Upper montane coniferous forest. Openings in the forest. Rocky, volcanic soils. 7497 to 8005 ft in elevation. Blooms August.
Astragalus austiniae	Austin's astragalus			1B.3	Alpine boulder and rock field, subalpine coniferous forest. Rocky. 8005 to 9728 ft in elevation. Blooms (May), July-September.
Astragalus lemmonii	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-Stat	us Plant Species Known or w	ith Poten	itial to C	Occur in th	ne Sierra Nevada Ecological Section (M261E) within the Treatable Landscape
		Li	isting Sta	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant	Habitat Desription
				Rank	
Astragalus lentiformis	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.
Astragalus lentiginosus var. kernensis	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.
Astragalus pulsiferae var. pulsiferae	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).
Astragalus shevockii	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.
Astragalus webberi	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.
Atriplex pusilla	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.
Balsamorhiza macrolepis	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
Betula glandulosa	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.
					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
Boechera bodiensis	Bodie Hills rockcress			1B.3	(August).
Boechera constancei	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.
Boechera dispar	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.
Boechera tularensis	Tulare rockcress			1B.3	Subalpine coniferous forest, upper montane coniferous forest. Rocky slopes. 5988 to 11007 ft in elevation. Blooms (May), June-July (August).
Botrychium ascendens	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.
Botrychium crenulatum	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.
Botrychium lunaria	common moonwort			2B.3	Meadows and seeps, subalpine coniferous forest, upper montane coniferous forest. 6398 to 11204 ft in elevation. Blooms August.
Botrychium minganense	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.
Botrychium montanum	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.
Brasenia schreberi	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.
Calochortus clavatus var. avius	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.
Calochortus excavatus	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.
Calochortus palmeri var. palmeri	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernally moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
Calochortus striatus	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.
Calochortus westonii	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.
Calyptridium pygmaeum	pygmy pussypaws			1B.2	Upper montane coniferous forest, subalpine coniferous forest. Sandy or gravelly sites. 6496 to 10203 ft in elevation. Blooms June-August.
Calystegia vanzuukiae	Van Zuuk's morning-glory			1B.3	Chaparral, cismontane woodland. Gabbro, serpentinite. 1640 to 3871 ft in elevation. Blooms May-August.
Camissonia integrifolia	Kern River evening-primrose			1B.3	Chaparral. 2493 to 3002 ft in elevation. Blooms (April), May.
Camissonia sierrae ssp. alticola	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 Gayophytum, Collinsia, etc. 3396 to 7907 ft in elevation. Blooms May-August.
Cardamine pachystigma var. dissectifolia	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.
Carex cyrtostachya	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.
Carex davyi	Davy's sedge			1B.3	Subalpine coniferous forest, upper montane coniferous forest. 4790 to 10597 ft in elevation. Blooms May-August.
Carex lasiocarpa	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.
Carex limosa	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.
Carex scirpoidea ssp. pseudoscirpoidea	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.
Carex sheldonii	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.
Carex vallicola	western valley sedge			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 5003 to 9203 ft in elevation. Blooms July-August.

s Plant Species Known or w				he Sierra Nevada Ecological Section (M261E) within the Treatable Landscape
	Li	isting Stat	us	
Common Name			California	Habitat Desription
Common rume	Federal	State		Tublut Destipation
			rank	
chaparral sedge			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Serpentinite, gabbroic. 902 to 2526 ft in elevation. Blooms March-June.
Lassen paintbrush			1B.3	Subalpine coniferous forest, meadows and seeps. Volcanic. 3133 to 10236 ft in elevation. Blooms June-September.
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.
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.
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.
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.
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.
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.
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).
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.
Great Basin claytonia			2B.3	Subalpine coniferous forest. Talus slopes, stony flats, crevices. 5594 to 11483 ft in elevation. Blooms May-August.
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.
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.
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.
fiddleleaf hawksbeard			2B.2	Mojavean desert scrub, pinyon and juniper woodland. Moist, alkaline valley bottoms. 1247 to 10203 ft in elevation. Blooms May-August.
Clokey's cryptantha			1B.2	Mojavean desert scrub. Sandy or gravelly soils. 2379 to 4478 ft in elevation. Blooms April.
Tulare cryptantha			1B.3	Lower montane coniferous forest. Gravelly or rocky sites. 4790 to 9350 ft in elevation. Blooms June-August.
globose cymopterus			2B.2	Great Basin scrub. Sandy, open flats. 3937 to 7005 ft in elevation. Blooms March-June.
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.
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.
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.
yellow-lip pansy monkeyflower			1B.2	Lower montane coniferous forest, meadows and seeps. Vernally wet sites. Soils can be clay, volcanic, or granitic. 2198 to 6398 ft in elevation. Blooms April-July.
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.
male fern			2B.3	Upper montane coniferous forest. In granite crevices. 148 to 3281 ft in elevation. Blooms July-September.
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.
Koch's cord moss			1B.3	Cismontane woodland. Moss growing on soil on river banks. 607 to 1198 ft in elevation. Blooms .
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.
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.
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.
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.
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.
starved daisy			1B.3	Upper montane coniferous forest. Rocky, granitic outcrops. 5085 to 9104 ft in elevation. Blooms June-October.
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.
Kern buckwheat			1B.1	Chaparral, pinyon and juniper woodland. Open places on clay soil. 5397 to 6102 ft in elevation. Blooms May-June (July).
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.
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.
	Common Name Chaparral sedge Lassen paintbrush Red Hills soaproot Bolander's woodreed Small's southern clarkia Mariposa clarkia Mildred's clarkia Mildred's clarkia Mosquin's clarkia Mosquin's clarkia Mosquin's flaming trumpet northern coralroot Kern Plateau bird's-beak fiddleleaf hawksbeard Clokey's cryptantha Tulare cryptantha globose cymopterus rose-flowered larkspur recurved larkspur calico monkeyflower yellow-lip pansy monkeyflower Great Basin downingia male fern Pierpoint Springs dudleya Koch's cord moss Clifton's eremogone Booth's hairy evening-primrose Nevada daisy Keil's daisy Plumas rayless daisy starved daisy Kern River daisy Kern buckwheat Jack's wild buckwheat	Common Name Chaparral sedge Lassen paintbrush Red Hills soaproot Bolander's woodreed Small's southern clarkia Mariposa clarkia Mhite-stemmed clarkia Mildred's clarkia Mosquin's clarkia Mosquin's clarkia beaked clarkia Great Basin claytonia Rawson's flaming trumpet northern coralroot Kem Plateau bird's-beak fiddleleaf hawksbeard Clokey's cryptantha Tulare cryptantha Tulare cryptantha globose cymopterus rose-flowered larkspur recurved larkspur calico monkeyflower yellow-lip pansy monkeyflower Great Basin downingia male fern Pierpoint Springs dudleya Koch's cord moss Clifton's eremogone Booth's hairy evening-primrose Nevada daisy Keil's daisy Plumas rayless daisy starved daisy Kern buckwheat Jack's wild buckwheat	Common Name Federal Chaparral sedge Lassen paintbrush Red Hills soaproot Bolander's woodreed Small's southern clarkia Mariposa clarkia Mildred's clarkia Mosquin's clarkia Mosquin's clarkia Mosquin's clarkia Mosquin's clarkia Beaked clarkia Great Basin claytonia Rawson's flaming trumpet northern coralroot Kern Plateau bird's-beak fiddleleaf hawksbeard Clokey's cryptantha Tulare cryptantha Tulare cryptantha globose cymopterus rose-flowered larkspur recurved larkspur calico monkeyflower great Basin downingia male fern Pierpoint Springs dudleya Koch's cord moss Clifton's eremogone Booth's hairy evening-primrose Nevada daisy Keil's daisy Fern buckwheat Jack's wild buckwheat	Common Name Federal Chaparral sedge Lassen paintbrush Red Hills soaproot Bolander's woodreed Small's southern clarkia Mariposa clarkia Mildred's clarkia Mildred's clarkia Mosquin's clarkia Mosquin's clarkia Beasen daytonia Rawson's flaming trumpet northern coralroot Kem Plateau bird's-beak fiddleela hawksbeard Clokey's cryptantha Illaac Clokey's cryptantha Illaac Red Hills soaproot Illaac Red Hills soaproot Illaac Red Hills soaproot Illaac Illaac Red Hills soaproot Illaac

Table 13a Special-State	us Plant Species Known or wi	ith Poten	tial to C	Occur in th	ne Sierra Nevada Ecological Section (M261E) within the Treatable Landscape
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Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Eriogonum nudum var. regirivum	Kings River buckwheat			1B.2	Cismontane woodland. Rocky limestone slopes along the Kings River. 1099 to 6004 ft in elevation. Blooms August-November.
Eriogonum ochrocephalum var. ochrocephalum	ochre-flowered buckwheat			2B.2	Great Basin scrub, pinyon and juniper woodland. Volcanics or clay. 3937 to 7907 ft in elevation. Blooms May-June.
Eriogonum umbellatum var. ahartii	Ahart's buckwheat			1B.2	Cismontane woodland, chaparral. Serpentinite. On slopes, in openings. 902 to 4856 ft in elevation. Blooms June-September.
Eriogonum umbellatum var. torreyanum	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.
Eryngium pinnatisectum	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.
Erythranthe filicaulis	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; vernally mesic sites. 2034 to 5528 ft in elevation. Blooms April-August.
Erythranthe filicifolia	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.
Erythranthe gracilipes	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.
Erythranthe marmorata	Stanislaus monkeyflower			1B.1	Cismontane woodland, lower montane coniferous forest. 328 to 2953 ft in elevation. Blooms March-May.
Erythranthe shevockii	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.
Erythronium tuolumnense	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.
Fimbristylis thermalis	hot springs fimbristylis			2B.2	Meadows and seeps (alkaline). Near hot springs. 377 to 5200 ft in elevation. Blooms July-September.
Fissidens pauperculus	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 .
Frangula purshiana ssp. ultramafica	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.
Fritillaria brandegeei	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.
Galium angustifolium ssp. onycense	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.
Geum aleppicum	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
Githopsis tenella	delicate bluecup			1B.3	Chaparral, cismontane woodland. Mesic sites. 3609 to 6234 ft in elevation. Blooms April-June.
Glyceria grandis	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.
Hackelia sharsmithii	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.
Hemieva ranunculifolia	buttercup-leaf suksdorfia			2B.2	Upper montane coniferous forest, meadows and seeps. Mesic sites; rocky. 4921 to 8202 ft in elevation. Blooms June-August.
Hesperocyparis nevadensis	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.
Horkelia parryi	Parry's horkelia			1B.2	Ione formation. Chaparral, cismontane woodland. Openings in chaparral or woodland; especially known from the Ione formation in Amador County. 279 to 3658 ft in elevation. Blooms April-September.
Horkelia tularensis	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.
Hosackia oblongifolia var. cuprea	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.
Hulsea brevifolia	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.
Hymenoxys lemmonii	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).
Iris hartwegii ssp. columbiana	Tuolumne iris			1B.2	Cismontane woodland, lower montane coniferous forest. 1394 to 4593 ft in elevation. Blooms May-June.
Iris munzii	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).
lvesia aperta var. aperta	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.
Ivesia campestris	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.
Ivesia sericoleuca	Plumas ivesia			1B.2	Wetland Great Basin scrub, lower montane coniferous forest, meadows and seeps, vernal pools. Vernally mesic areas; usually volcanic substrates. 4314 to 7005 ft in elevation. Blooms May-October.
Juncus dudleyi	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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Table 13a Special-State	us Plant Species Known or wi	1			ne Sierra Nevada Ecological Section (M261E) within the Treatable Landscape
		L	isting Stat	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant	Habitat Desription
		reuerai	State	Rank	
	C 71 I I			40.2	
Penstemon sudans	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).
Phacelia nashiana	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.
Phacelia novenmillensis	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.
Phacelia stebbinsii	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.
Plagiobothrys torreyi var. torreyi	Yosemite popcornflower			1B.2	Lower montane coniferous forest, meadows and seeps. 3556 to 6890 ft in elevation. Blooms April-June.
Platanthera yosemitensis	Yosemite bog orchid			1B.2	Meadows and seeps. Mesic areas. Granite substrates. 6890 to 7497 ft in elevation. Blooms July-August.
Poa sierrae	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.
Pohlia flexuosa	flexuose threadmoss			2B.1	Lower montane coniferous forest. Roadsides, rocky seeps. 3117 to 3363 ft in elevation.
Pohlia tundrae	tundra thread moss			2B.3	Alpine boulder and rock field. Moss growing on gravelly, damp soil. 8858 to 9843 ft in elevation.
Polygonum polygaloides ssp. esotericum	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 Deschampsia, Navarretia, etc. 2904 to 5545 ft in elevation. Blooms May-September.
Potamogeton epihydrus	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.
Potamogeton praelongus	white-stemmed pondweed			2B.3	Marshes and swamps. Deep water, lakes. 5906 to 9843 ft in elevation. Blooms July-August.
Potamogeton robbinsii	Robbins' pondweed			2B.3	Marshes and swamps. Deep water, lakes. 5020 to 10827 ft in elevation. Blooms July-August.
Pyrrocoma lucida	sticky pyrrocoma			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.
Ranunculus hydrocharoides	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.
Rhamnus alnifolia	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.
Rhynchospora alba	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.
Rhynchospora capitellata	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.
Ribes menziesii var. ixoderme	aromatic canyon gooseberry			1B.2	Chaparral, cismontane woodland. In forest openings. 2001 to 3806 ft in elevation. Blooms April.
Ribes tularense	Sequoia gooseberry			1B.3	Lower montane coniferous forest, upper montane coniferous forest. In sandy loam derived from granitics or deep clays. With Abies, Pinus, Ribes, etc. 4921 to 6808 ft in elevation. Blooms May.
Rupertia hallii	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).
Sagittaria sanfordii	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).
Salix nivalis	snow willow			2B.3	Alpine dwarf scrub. Lakeshores and streamsides. 9039 to 11499 ft in elevation. Blooms July-August.
Saltugilia latimeri	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.
Schoenoplectus subterminalis	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).
Scutellaria galericulata	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.
Sedum albomarginatum	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.
Sidalcea multifida	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.
Sphaeralcea munroana	Munro's desert mallow			2B.2	Great Basin scrub. 6562 to 6562 ft in elevation. Blooms May-June.
Sphenopholis obtusata	prairie wedge grass		ļ	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.
Stachys pilosa	hairy marsh hedge-nettle		ļ	2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 2575 to 6709 ft in elevation. Blooms June-August.
Streptanthus cordatus var. piutensis	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.
Streptanthus oliganthus	Masonic Mountain jewelflower		ļ	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.
Stuckenia filiformis 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.
Suaeda occidentalis	western seablite		<u> </u>	2B.3	Great Basin scrub. Alkaline soils; mesic sites. 3986 to 4413 ft in elevation. Blooms July-September.

Table 13a Special-Stat	us Plant Species Known or w	ith Poter	ntial to C	Occur in tl	he Sierra Nevada Ecological Section (M261E) within the Treatable Landscape
			isting Sta		
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Tauschia howellii	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.
Thelypodium integrifolium ssp. complanatum	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.
Trifolium bolanderi	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.
Trifolium gymnocarpon ssp. plummerae	Plummer's clover			2B.3	Great Basin scrub, pinyon and juniper woodland. 4790 to 6299 ft in elevation. Blooms May-June.
Triglochin palustris	marsh arrow-grass			2B.3	Meadows and seeps, freshwater marsh, subalpine coniferous forest. Mesic sites. 7497 to 12139 ft in elevation. Blooms July-August.
Triteleia piutensis	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.
Utricularia intermedia	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.
Viburnum ellipticum	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.
Viola pinetorum ssp. grisea	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.
Viola purpurea ssp. aurea	golden violet			2B.2	Great Basin scrub, pinyon-juniper woodland. Dry, sandy slopes. 3281 to 8202 ft in elevation. Blooms April-June.

Listing Status California Rare Plant Rank

E = Endangered 1A = Plants presumed extirpated in California and either rare or extinct elsewhere T = Threatened

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

R = Rare

Table 13b Special-Sta	ntus Wildlife Species Known or v	vith Po	otenti	al to	Occui	in th	ne Sie	rra N	evad	a Eco	logic	al Se	ction	(M2	61E)				·	·	•													
			ting atus													CWI	HR Ty	/pes wi	ithin the	Treatal	ble Lan	dscape												
Scientific Name	Common Name	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	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																																		
Federal and State Listed/CDFW Fully P								ı	ı							ı									_	1		1						
Ambystoma californiense	California tiger salamander ²	T	T		Х			Χ	Χ	Х										Х		Х	Х	Х			Х			Χ	X	$\perp \perp \downarrow$		1,146
Anaxyrus canorus	Yosemite toad	T	SC		Χ	Χ	Χ								Χ	Χ		Χ	Х Х	Χ	Х	Χ	Х	Х	Х		Χ	Χ	Χ	Χ	Х	$\perp \perp \downarrow$	Χ	15,540
Batrachoseps simatus	Kern Canyon slender salamander		T		Χ			Х	Χ									Χ		Χ		Χ	Х			Χ			Χ					<1
Batrachoseps stebbinsi	Tehachapi slender salamander		Т		Χ			Χ	Χ									Χ		Х	Χ	Χ	Х	Χ	Χ	Χ	Χ		Χ	Χ	Х	Χ		118,962
Hydromantes brunus	limestone salamander		T FP		Χ			Х	Х	Х	Х									Х	Х	Х	Х	Х			Х			Χ	ХХ	Х	Χ	18,538
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Χ	Х	Χ	Х	Х	Х	Х	Χ	Χ	Х	Χ	Х	Х	Χ	х х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	ХХ	Х	Χ	1,463,894
	Cascades frog ²		C SC		Χ	Х			Х					Х		Х			Х	Х	Х	Х	Х	Х	Х		Х	Х	Χ	Х			Χ	50,881
Rana draytonii	California red-legged frog ²	T	SC		Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Х	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	ХХ	Χ	Χ	1,105,052
Rana muscosa	southern mountain yellow-legged frog ²	E	E		Χ			Χ	Χ	Χ					Χ	Χ			Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	ХХ		Χ	21,675
Rana sierrae	Sierra Nevada yellow-legged frog ²	E	T	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Х Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	ХХ	Χ	Χ	793,509
CDFW Species of Special Concern																																		
Ambystoma macrodactylum sigillatum	southern long-toed salamander ²		SC		Χ	Χ	Χ				Χ			Χ	Χ	Χ		Χ	Х Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	442,922
Batrachoseps relictus	relictual slender salamander ²		SC		Χ			Χ	Χ							Χ				Х	Х	Χ	Х	Х			Χ			Χ			Χ	1,304
Lithobates pipiens	northern leopard frog ²		SC	Χ	Χ	Χ	Χ						Χ		Χ	Χ		Χ	Х Х		Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	31,689
Birds																																		
Federal and State Listed/CDFW Fully P	Protected																																	
Agelaius tricolor	tricolored blackbird		E SC	Х	Х	Х	Х	Х	Х	Х			Χ	Х	Χ		Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ		Χ	Χ	Х	Х		28,578
Antigone canadensis tabida	greater sandhill crane		T FP		Χ	Х	Χ							Х	Χ	Х		Χ	х х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х			Χ	292,287
	golden eagle		FP	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х Х	Х	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	ХХ	Χ	Χ	2,138,620
	Swainson's hawk		T	Χ	Χ	Χ	Χ	Χ	Χ				Χ		Χ		Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Χ	Χ		Х	Χ	Х	Х		18,730
Coccyzus americanus occidentalis	western yellow-billed cuckoo	T	Е	Χ	Χ	Χ		Х	Χ		Χ		Χ			Χ	Х	Χ		Х	Х	Χ	Х	Х		Χ			Χ		Х			22,629
Elanus leucurus	white-tailed kite		FP		Χ			Χ	Χ	Χ				Χ				Χ		Х	Χ	Χ	Х	Χ		Χ	Χ		Χ	Χ	Х	Χ		1
Empidonax traillii	willow flycatcher		Е	Χ	Χ	Χ	Χ	Х	Х	Х	Χ		Χ	Х	Χ	Х	Х	Χ	Х Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	ХХ	Х	Χ	725,958
Empidonax traillii extimus	southwestern willow flycatcher	E	E	Χ	Χ	Χ	Χ	Х	Х	Х	Χ		Χ		Χ	Х	Х	Χ	Х Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	ХХ	Х	Χ	90,315
Falco peregrinus anatum	American peregrine falcon		FP	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х Х	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	ХХ	Χ	Χ	2,138,620
Gymnogyps californianus	California condor	E	E FP		Χ		Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	X	Х	Χ	233,694
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	х х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	хх	Х	Χ	2,138,104

Table 13b Special-Sta	atus Wildlife Species Known or w	ith Po	tentia	al to (Occur	in th	ne Sie	erra N	levac	da Eco	ologi	cal Se	ection	(M2	61E)																			
		Listi Stat														CW	HR Ty	ypes w	ithin the	Treatal	ole Land	dscape												
Scientific Name	Common Name	Federal	State	Alkali Desert Scrub	Annual Grassland	Aspen	Bitterbrush	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redshank	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Laterallus jamaicensis coturniculus	California black rail ²		T FP		Χ			Х	X											Х	Х	Х	Х	Х	Х		Х							-
Passerculus sandwichensis beldingi	Belding's savannah sparrow		Е	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	ХХ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	X	ХХ	Χ	627,868
Riparia riparia	bank swallow		T	Χ	Χ	Χ	Χ						Χ		Χ	Χ			Х		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ			Χ	24,094
Strix nebulosa	great gray owl		E		Χ	Χ	Х	Χ	Х	Х	Χ	Χ		Χ	Χ	Χ		Χ	ХХ	Χ	Х	Х	Х	Х	Х		Χ	Χ	Х	Χ	X	ХХ	Х	1,723,222
Vireo bellii pusillus	least Bell's vireo	Е	E	Χ	Χ		Х		Х				Х			Χ	Х	Χ		Х	Х	Х	Х	Х		Х			Х					23,723
CDFW Species of Special Concern		· ·	·																•							_								
Accipiter gentilis	northern goshawk		SC	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ	ХХ	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	X 2	Х Х	Х	1,655,499
Agelaius phoeniceus aciculatus	Kern Red-winged blackbird		SC		Χ				Х				Х					Χ		Х				Χ					Χ			Χ		2,598
Ammodramus savannarum	grasshopper sparrow		SC	Χ	Χ		Χ	Χ	Х	Х			Х	Χ			Х	Χ		Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ			Х Х		15,666
Asio flammeus	short-eared owl		SC	Χ	Χ	Χ	Χ						Χ		Χ				ХХ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ			Х	42,212
Asio otus	long-eared owl		SC	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	ХХ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X	Х Х	Х	2,138,287
Athene cunicularia	burrowing owl		SC	Χ	Χ	Χ	Χ	Χ	Х	Х			Х	Χ	Χ	Χ	Х	Χ	ХХ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X	Х Х	Х	71,009
Aythya Americana	redhead ²		SC	Χ	Χ	Χ	Χ		Х				Х	Χ	Χ	Χ	Х	Χ	ХХ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Х	231,544
Centrocercus urophasianus	greater sage-grouse		SC	Χ	Χ	Χ	Χ						Х		Χ	Χ			ХХ		Χ		Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ		Х	10,257
Chaetura vauxi	Vaux's swift		SC		Χ	Χ	Χ	Χ	Х	Х	Χ	Χ		Χ	Χ	Χ		Χ	ХХ	Х	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	X	Х Х	Х	1,642,583
Charadrius alexandrines	snowy plover (interior population) ²		SC	Χ	Χ	Χ	Χ						Х		Χ			Χ			Χ	Χ	Х	Χ	Χ	Χ	Χ		Χ	Χ				8,151
Chlidonias niger	black tern ²		SC		Χ	Χ	Χ								Χ	Χ		Χ	ХХ		Χ	Χ	Х	Χ	Х		Χ	Χ	Χ	Χ			Х	123,884
Circus cyaneus	northern harrier		SC	Χ	Χ	Χ	Χ	Χ	Х				Х	Χ	Χ	Χ	Χ	Χ	ХХ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	X	Х Х	Х	149,691
Contopus cooperi	olive-sided flycatcher		SC	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ	ХХ	Х	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	X	ХХ	Х	2,119,942
Coturnicops noveboracensis	yellow rail ²		SC																Х		Χ			Χ	Х				Χ	Χ				-
Cypseloides niger	black swift		SC		Χ	Χ	Χ	Х	Х	Х		Х			Χ	Χ			ХХ	Х	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	X	ХХ	Х	192,484
Dendragapus fuliginosus howardi	Mount Pinos sooty grouse		SC	Χ	Χ	Χ	Χ	Х	Х	Х	Х		Х		Χ	Χ		Χ	ХХ	Х	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	X	ХХ	Х	146,631
Histrionicus histrionicus	Harlequin duck ²		SC		Χ	Χ			Х					Χ	Χ	Х			ХХ	Х	Χ	Χ	Х	Χ	Χ		Χ	Χ	Χ	Χ	Х		Х	247,576
Icteria virens	yellow-breasted chat		SC	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Х	Χ	Χ	Х	Χ	Χ	ХХ	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ		ХХ	Χ	581,635
Ixobrychus exilis	least bittern ²		SC	Χ	Χ	Χ	Χ		Х				Х		Χ		Χ	Χ		Х	Χ	Χ	Х	Χ			Χ		Χ	Χ				18,337
Lanius Iudovicianus	loggerhead shrike		SC	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Х	Χ	Χ	Х	Χ	Χ	ХХ	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	X	ХХ	Χ	524,384
Pelecanus erythrorhynchos	American white pelican ²		SC	Χ	Χ	Χ	Х	Х	Х	Х			Х		Χ	Χ		Χ	ХХ	Х	Х	Χ	Х	Х	Χ		Χ	Х	Х	Χ	X 2	Х	Х	113,872
Piranga rubra	summer tanager		SC		Χ				Х				Х					Χ		Х		Χ		Х		Χ			Х					7,153
Pooecetes gramineus affinis	Oregon vesper sparrow		SC		Χ			Χ	Х	Х								Χ		Х	Х	Χ	Х	Χ	Χ	Χ	Χ		Χ			ХХ		1
	purple martin		SC	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ		Χ	ХХ	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Х	X 2	ХХ	Х	1,779,089
	vermilion flycatcher		SC		Х				Х				Х					Χ		Χ		Χ		Х					Х					4,406
<u> </u>	yellow warbler		SC	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ		Χ	ХХ	Χ	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Χ	X Z	ХХ	Х	1,931,491
	California spotted owl		SC		Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ		Χ	ХХ	Χ	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Χ	X Z	ХХ	Х	1,636,322
	Bendire's thrasher		SC		Χ			Х	Х				Х		Χ	Х	Χ	Χ		Х	Χ	Χ	Х	Х	Х	Χ	Х	1	Х	Χ		1		56,592

Table 13b Special-St	atus Wildlife Species Known or w	ith P	otent	ial to	Occu	r in tł	ne Sie	erra N	levad	la Eco	logic	al Se	ection	(M2	61E)				·					,										
			ting atus													CWI	HR Typ	es wit	thin th	ne Trea	table L	andscap	9											
Scientific Name	Common Name	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	9		Je			Montane Hardwood	ifer	Montane Riparian	Perennial Grassland	Pinyon-Juniper	Ponderosa Pine	Red Fir	Sagebrush	Sierran Mixed Conifer	Subalpine Conifer	Valley Foothill Riparian	White Fir	Total Acreage Associate CWHR Types within th Treatabl Landscap
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Х	Χ	Х	Х	Χ	Х			Х	Х	Χ	Χ	Х	Х	Х	Х	X)	()	(X	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Х	275,339
Invertebrates																																		
Federal and State Listed/CDFW Fully	Protected																			·	•		·	•	·	•	•	•			•			
Ambrysus funebris	Nevares Spring naucorid bug (=Furnace Creek) ²	С		Х	Х	Х	Χ						Х		Χ				Χ	X X	X >	(X	Х	Х	Х	Х			Χ	Х	Х			8,966
Bombus crotchii	Crotch bumble bee ²		С	1	Х	Х		Х	Х		Χ	Χ		Χ	Х	Χ			Χ			Х	Х	Х	Х		Х	Х		Χ	Х	ХХ	Х	
Bombus occidentalis occidentalis	western bumble bee ²		С		Х	Х		Х	Х		Х	Х		Χ	Х	Х			Χ			Х	Х	Х	Х		Х	Х		Х	Х	ХХ	_	
Branchinecta conservatio	conservancy fairy shrimp ²	Е		1	X	1		Х	Х					Χ		Х	† †			,	x >	(X	X	X			Х			Х		X		
Branchinecta lynchi	vernal pool fairy shrimp ²	T			X			Х	Х	Х					Χ	Х		Χ)	_		X	X	Х	Х	Х		Χ	Х		ХХ		
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	T			X			Х	Х	-										,		-	X	X	<u> </u>		Х		**				+	5,880
Euproserpinus euterpe	Kern primrose sphinx moth	T			X			Х	Х							Х		Х)		·	X	X	Х		Х		Х	Х		Х	X	
Lepidurus packardi	vernal pool tadpole shrimp ²	E			X			Х	Х											,		·	X	X			X		Λ	Х				20,912
Monadenia infumata setosa	Trinity bristle snail		т	Х	X	Х	Χ	X	X	Х	Х	Х	Х	Χ	Х	Χ	v	Χ	Χ	X 2			\ \ \ \ \ \ \	X	Х	Х	X	Х	Х	X	Х	ХХ	(X	
Pseudocopaeodes eunus obscurus	Carson wandering skipper	E	<u>'</u>	^	X	X	Λ		^	^	^	^		^	X	^	^	Х	^	^ /	\ \ \ \ \ \	-	X	X		^	X	X	X	X	^	^ /	X	+
Speyeria callippe callippe	callippe silverspot butterfly	E		X	X	Х	Χ						Х		X	Χ	1 +	X X	V	X)		, , ,	X		V	V	л У	\ \ \ \ \	X	X	V		^	
Mammals	camppe silverspot butterny			^	٨	^	٨						^		^	٨		٨	٨	^ /	^ /		٨	^	^	^	٨	٨	٨	٨	^		<u></u>	120,790
	Dustostad																						_	_				-						
Federal and State Listed/CDFW Fully			I rn	T v	V	Lv	V	l v	T v	T v	T v	V	l v	V	V	V	TVI	V	v	V ,	, I \	/ \ \	T v	T v	Tv	l v	l v	l v	V	V	ΙχΙ	V V	+	212466
Brachylagus idahoensis	ringtail	-	FP	X	X	Х	Χ	X	X	Х	X	Х	Х	Χ	Х	Х	X	Х	Х	X)		X	X	X	X	X	X	Х	Х	X	X	X X	_	, , , ,
Dipodomys nitratoides exilis	Fresno kangaroo rat	E	E		X			Х	X		Х					.,		,,			X	X	X	.,	X		X			X		X	-	7,018
Dipodomys nitratoides nitratoides	Tipton kangaroo rat	E	E -		Х			Х	Х							Х	+	Х)	X >	X	Х	Х	Х		Х		Х	Х		X X	X	29,647
Gulo gulo	California wolverine	С	FP	Х	Х	Х	Χ	Х	Х	Х			Х	Χ	Х	Х		Х	Х	X .	X >	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	,
Microtus californicus scirpensis	Amargosa vole	E	E	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	X X	X >	X	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X X	X	
Ovis canadensis nelsoni	desert bighorn sheep		FP	Χ	Χ	Χ	Χ	Χ	Χ	Χ			Χ		Χ	Χ	Х	Χ	Χ	X X	X >	X	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	XX	X	226,299
Ovis canadensis sierrae	Sierra Nevada bighorn sheep	E	E FP	Х	Х	X	Χ		Х				Х		Х	Х	Х	Х	Х	x 2	x >	X	Х	Х	Х	Х	Х	Х	Χ	Х	Х		Х	27,301
Pekania pennanti	fisher - West Coast DPS		T SC		Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	Х	Χ		Х	Х	X X	X >	X	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	1,463,99
Sorex ornatus relictus	Buena Vista Lake ornate shrew	E	SC	Х	Χ	Х	Χ						Х		Χ	Х		Х	Χ	X X	()	(X	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х		Х	120,796
Vulpes macrotis mutica	San Joaquin kit fox	E	T	1				Х	1													Х											+	11
Vulpes vulpes necator	Sierra Nevada red fox	С	Т	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Χ	X)	X >		Х	Х	Х	Х	Х	Х	Χ	Х	Х	ХХ	Х	2,018,09
Xerospermophilus mohavensis	Mohave ground squirrel		Т	Х	X	1	Х	Х	Х			Х	Х		Х		Х	Х		7 7		_	X	X	X	Х			X			X	_	84,996
CDFW Species of Special Concern	1					1		<u> </u>					1			1	1										l	1		1	<u> </u>			2.,000
Antrozous pallidus	pallid bat		SC	X	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	X	Х	χ	X 2	x >	(X	Х	Х	Х	Х	Х	Х	Χ	Х	Х	ХХ	Х	2,138,62
Aplodontia rufa californica	Sierra Nevada mountain beaver		SC	X	X	X	Х	X	X	X	Х	X	X	Х	X	X	+^+	Х	X	X 2		_	X	X	X	X	X	X	X	Х	X	XXX	_	
Brachylagus idahoensis	pygmy rabbit		SC	Y	X	X	Х			^		^	X	^	X	Х	+ +	^	Х	χ /	^ /		X	X	X	X	X	^	X	X	^	^ /	X	
Corynorhinus townsendii	Townsend's big-eared bat		SC	\ \ \ \ \	X	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	l v	Y		^ X)		·	X	X	X	X	X	X	Х	X	Х	ХХ		
Corynorninus townsendii	Townsend's big-eared bat		3C	٨	٨	٨	٨	٨	٨	٨	٨	٨	٨	٨	٨	٨	^	٨	٨	Λ /	^ /	Λ / Λ	٨	٨	٨	٨	٨	٨	٨	٨	٨	^ X	X	۷, ۱۷۵,33

Table 13b Special-S	Status Wildlife Species Known or v			al to	Occui	r in th	e Sie	rra N	evad	a Eco	ologic	al Se	ection	(M2	261E)																					
		List Sta	ting Itus													CW	HR T	ypes w	vithin	the Tr	eatabl	le Land	Iscape													
Scientific Name	Common Name	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	Acr Ass C T wit Wit	Total reage of sociated CWHR Types thin the eatable ndscape
Euderma maculatum	spotted bat		SC	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	ХХ	Х	(2,1	138,620
Eumops perotis californicus	western mastiff bat		SC	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х Х	Х	(1,	403,444
Lasiurus blossevillii	western red bat		SC		Χ	Χ		Χ	Χ	Х	Χ	Χ		Χ	Χ	Χ		Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Х Х	Х	(1,1	112,176
Lepus americanus tahoensis	Sierra Nevada snowshoe hare		SC	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ		Х	(6	34,181
Lepus townsendii townsendii	western white-tailed jackrabbit		SC	Χ	Χ	Χ	Χ						Χ	Χ	Χ	Χ		Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Х	(3	311,179
Microtus californicus vallicola	Owens Valley vole		SC	Χ	Χ	Χ	Χ						Χ		Χ				Χ	Х	Χ	Χ		Χ	Χ		Х			Χ		Χ				7,043
Onychomys torridus tularensis	Tulare grasshopper mouse		SC	Χ	Χ								Χ													Х										-
Perognathus alticola inexpectatus	Tehachapi pocket mouse		SC	Χ	Χ		Χ	Χ	Χ			Χ	Χ		Χ	Χ	Χ	Χ			Χ	Χ	Χ	Х	Χ	Χ	Х	Χ		Χ	Χ		Х	Х	(1	12,469
Sorex lyelli	Mount Lyell shrew		SC	Χ	Χ	Χ	Χ						Χ		Χ	Χ		Χ	Χ	Х		Χ		Х	Χ	Χ	Х			Χ	Χ	χ		Х	()	6,372
Taxidea taxus	American badger		SC	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Х Х	Х	(2,1	138,620
Reptiles																																				
Federal and State Listed/CDFW Ful	ly Protected																																			
Gopherus agassizii	desert tortoise	Т	T	Χ	Χ		Χ	Χ	Χ			Χ	Χ				Χ	Χ			Χ	Χ	Χ	Х	Χ	Х	Х			Χ			Х		3	34,294
CDFW Species of Special Concern																																				
Anniella sp.	California legless lizard		SC	Χ	Χ		Χ	Х	Х	Х	Х	Χ	Χ		Χ	Х	Χ	Х	Χ		Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Х	Х	Χ		Х Х	Х	(3	86,066
Emys marmorata	western pond turtle ²		SC	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Х Х	Х	(1,6	667,975
Phrynosoma blainvillii	coast horned lizard		SC	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ			Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ		Χ	Χ		ХХ	Х	(5	82,711
Thamnophis hammondii	two-striped garter snake ²		SC		Χ			Χ	Х												Χ	Χ	Χ	Χ		Χ	Χ	Χ		Χ			Х			<1

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 treatable, 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-State	us Plant Species Known or v	_			he Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape
		L	isting Stat	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Federal and State Listed					
Arctostaphylos myrtifolia	Ione 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.
Brodiaea insignis	Kaweah brodiaea		Е	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.
Brodiaea pallida	Chinese Camp brodiaea	T	Е	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.
Calyptridium pulchellum	Mariposa pussypaws	Т		1B.1	Cismontane woodland, chaparral. On granite domes, restricted to exposed sites. 1444 to 3412 ft in elevation. Blooms April-August.
Calystegia stebbinsii	Stebbins' morning-glory	E	Е	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.
Carpenteria californica	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.
Castilleja campestris var. succulenta	succulent owl's-clover	Т	Е	1B.2	Vernal pools, wetland. Moist places, often in acidic soils. 66 to 2313 ft in elevation. Blooms (March), April-May.
Caulanthus californicus	California jewelflower	E	Е	1B.1	Chenopod scrub, valley and foothill grassland, pinyon and juniper woodland. Sandy soils. 213 to 6102 ft in elevation. Blooms February-May.
Ceanothus roderickii	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.
Clarkia springvillensis	Springville clarkia	Т	Е	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.
Deinandra mohavensis	Mojave tarplant		Е	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).
Eriastrum tracyi	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.
Eryngium racemosum	Delta button-celery		Е	1B.1	Riparian scrub. Seasonally inundated floodplain on clay. 3 to 1099 ft in elevation. Blooms June-October.
Fremontodendron decumbens	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.
Fritillaria striata	striped adobe-lily		Т	1B.1	Cismontane woodland, valley and foothill grassland. Heavy clay adobe soils in oak grassland. 443 to 4790 ft in elevation. Blooms February-April.
Galium californicum ssp. sierrae	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.
Gratiola heterosepala	Boggs Lake hedge-hyssop		Е	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.
Limnanthes floccosa ssp. californica	Butte County meadowfoam	E	Е	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.
Lupinus citrinus var. deflexus	Mariposa lupine		Т	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.
Monolopia congdonii	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.
Opuntia basilaris var. treleasei	Bakersfield cactus	F	F	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.
Orcuttia inaequalis	San Joaquin Valley Orcutt grass	T	E	1B.1	Vernal pools, wetland. 33 to 2477 ft in elevation. Blooms April-September.
Orcuttia tenuis	slender Orcutt grass	T	F	1B.1	Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
Packera layneae	Layne's ragwort	т ·	R	1B.2	Chaparral, cismontane woodland. Ultramafic soil (serpentine or gabbro); occasionally along streams. 656 to 3560 ft in elevation. Blooms April-August.
Pseudobahia bahiifolia	Hartweg's golden sunburst	F	F	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.
Pseudobahia peirsonii	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.
Sidalcea keckii	Keck's checkerbloom	F	_	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).
Sidalcea stipularis	Scadden Flat checkerbloom		F	1B.1	Marshes and swamps. Wet montane marshes fed by springs. 2297 to 2428 ft in elevation. Blooms July-August.
Tuctoria greenei	Greene's tuctoria	F	R	1B.1	Vernal pools, wetland. Vernal pools in open grasslands. 82 to 4347 ft in elevation. Blooms May-July (September).
Verbena californica	Red Hills vervain	Т	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	rica i iliis vervalit	'	'	10,1	Telephonicane moduland, rainey and rootinin grassiand, mesic sites on scripentine, assumy scripentine seeps of creeks, Ost to 1140 ft in elevation, blooms inlay-september.
Acmispon rubriflorus	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.
Allium abramsii	Abrams' onion	+		1B.1	Lower montane coniferous forest, upper montane coniferours forest. On sandy soils, derived from disintegrated granite. 3199 to 10007 ft in elevation. Blooms May-July.
Allium howellii var. clokeyi	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.
				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.
Allium jepsonii	Jepson's onion			ID.Z	Tchapariar, Cistioniane woodand, lower montane confidences. On serpendine sons in Sierra roodinins, voicanic son on Table woodinin. On slopes and flats; usually in an open area. Thos to 3707 ft in elevation, Blooms April-August.

Table 14a Consist Chat	Dia t Caraira Karamana	ide Deden	ماد. د	\ ! 4l	Circus Nicorda Facabilla Facilia di Cardina (M2C4F) vidalia di a Tarababba Landarana
Table 14a Special-State	us Plant Species Known or wi		isting Sta		ne Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape
		LI	isting sta	lus	
Scientific Name	Common Name	F. dl	CLAR	California	Habitat Desription
		Federal	State	Rare Plant Rank	
				15.0	
Allium tuolumnense	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.
Almutaster pauciflorus	alkali marsh aster			2B.2	Meadow and seeps. Alkaline. 197 to 2509 ft in elevation. Blooms June-October.
Arctostaphylos nissenana	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.
Astragalus hornii var. hornii	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.
Balsamorhiza macrolepis	big-scale balsamroot			1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 115 to 4806 ft in elevation. Blooms March-June.
Calochortus clavatus var. avius	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.
Calochortus palmeri var. palmeri	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernally moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
Calochortus striatus	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.
Calochortus syntrophus	Callahan's mariposa-lily			1B.1	Cismontane woodland, valley and foothill grassland. In vernally mesic areas. 1411 to 4003 ft in elevation. Blooms May-June.
Calochortus westonii	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.
Calycadenia hooveri	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.
Campylopodiella stenocarpa	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 .
Cardamine pachystigma var. dissectifolia	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.
Carex xerophila	chaparral sedge			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Serpentinite, gabbroic. 902 to 2526 ft in elevation. Blooms March-June.
Castilleja rubicundula var. rubicundula	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.
Caulanthus lemmonii	Lemmon's jewelflower			1B.2	Pinyon and juniper woodland, valley and foothill grassland. 246 to 5200 ft in elevation. Blooms February-May.
Chlorogalum grandiflorum	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.
Clarkia biloba ssp. australis	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.
Clarkia borealis ssp. arida	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.
Clarkia gracilis ssp. albicaulis	white-stemmed clarkia			1B.2	
					Cismontane woodland, lower montane coniferous forest. Openings. 1394 to 1952 ft in elevation. Blooms June-August.
Clarkia mosquinii	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.
Clarkia rostrata	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).
Collomia rawsoniana	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.
Cryptantha crinita	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.
Cryptantha hooveri	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.
Cryptantha mariposae	Mariposa cryptantha			1B.3	Valley and foothill grassland, inland dunes. In coarse sand. 30 to 492 ft in elevation. Blooms April-May.
Cryptantha spithamaea	Red Hills cryptantha			1B.3	Chaparral. On serpentine outcrops. 656 to 2133 ft in elevation. Blooms April-June.
Delphinium purpusii	rose-flowered larkspur			1B.3	Chaparral, cismontane woodland. Serpentinite, sometimes streambeds, sometimes openings. 902 to 1509 ft in elevation. Blooms April-May.
Delphinium recurvatum	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.
Diplacus pictus	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.
Diplacus pulchellus	yellow-lip pansy 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.
Downingia pusilla	dwarf downingia			2B.2	Lower montane coniferous forest, meadows and seeps. Vernally wet sites. Soils can be clay, volcanic, or granitic. 2198 to 6398 ft in elevation. Blooms April-July.
Erigeron mariposanus	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.
Erigeron multiceps	Kern River daisy			1B.2	Cismontane woodland. One site known. 1969 to 2625 ft in elevation. Blooms June-August.

Table 14a Special-State	us Plant Species Known or w	1			ne Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape
		Li	sting Stat	tus	
Scientific Name	Common Name			California	Habitat Desription
Scientific (Valle	Common Name	Federal	State	Rare Plant Rank	Habitat Desription
				Nank	
Eriogonum callistum	Tehachapi buckwheat			1B.1	Chaparral. Openings; rocky, limestone substrate. 4593 to 4921 ft in elevation. Blooms May-July.
Eriogonum nudum var. murinum	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.
Eriogonum nudum var. regirivum	Kings River buckwheat			1B.2	Limestone. Cismontane woodland. Rocky limestone slopes along the Kings River. 1099 to 6004 ft in elevation. Blooms August-November.
Eriogonum umbellatum var. ahartii	Ahart's buckwheat			1B.2	Cismontane woodland, chaparral. Serpentinite. On slopes, in openings. 902 to 4856 ft in elevation. Blooms June-September.
Eriophyllum lanatum var. hallii	Fort Tejon woolly sunflower			1B.1	Chaparral, cismontane woodland. Often on slopes in loamy soils. 3478 to 4921 ft in elevation. Blooms May-July.
Eryngium pinnatisectum	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.
Eryngium spinosepalum	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.
Erythranthe gracilipes	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.
Erythranthe marmorata	Stanislaus monkeyflower			1B.1	Cismontane woodland, lower montane coniferous forest. 328 to 2953 ft in elevation. Blooms March-May.
Erythranthe norrisii	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.
Erythranthe shevockii	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.
Erythronium tuolumnense	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.
Eschscholzia lemmonii ssp. kernensis	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.
Euphorbia ocellata ssp. rattanii	Stony Creek spurge			1B.2	Valley and foothill grassland, chaparral. Sandy or rocky soils. 279 to 2625 ft in elevation. Blooms May-October.
Fimbristylis thermalis	hot springs fimbristylis			2B.2	Meadows and seeps (alkaline). Near hot springs. 377 to 5200 ft in elevation. Blooms July-September.
Fritillaria pluriflora	adobe-lily			1B.2	Chaparral, cismontane woodland, foothill grassland. Usually on clay soils; sometimes serpentine. 148 to 3100 ft in elevation. Blooms February-April.
Galium angustifolium ssp. onycense	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.
Githopsis tenella	delicate bluecup			1B.3	Chaparral, cismontane woodland. Mesic sites. 3609 to 6234 ft in elevation. Blooms April-June.
Glyceria grandis	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.
Helianthus winteri	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.
Hesperocyparis nevadensis	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.
Heterotheca shevockii	Shevock's golden-aster			1B.3	Chaparral, cismontane woodland. Ditches, crevices, shallow sand. 787 to 2411 ft in elevation. Blooms August-November.
Hibiscus lasiocarpos var. occidentalis	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-
				45.4	September.
Horkelia daucifolia var. indicta	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.
Horkelia parryi	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.
Imperata brevifolia	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.
lris munzii	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).
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush			1B.1	Chaparral, valley and foothill grassland, cismontane woodland, vernal pools, meadows and seeps. Vernally mesic sites. Sometimes on edges of vernal pools. 98 to 3363 ft in elevation. Blooms March-June.
Lagophylla dichotoma	forked hare-leaf			1B.1	Cismontane woodland, valley and foothill grassland. Sometimes clay. 623 to 1099 ft in elevation. Blooms April-May.
Lasthenia glabrata ssp. coulteri	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.
Layia heterotricha	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.
Layia leucopappa	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.
Layia septentrionalis	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.
Legenere limosa	legenere			1B.1	Vernal pools, wetland. In beds of vernal pools. 3 to 2887 ft in elevation. Blooms April-June.
Leptosiphon serrulatus	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 Curriel Char	o Dlant Coasias Kusaa	ith Det	ع دد اد:د		ha Ciawa Nayada Fasabilla Faslayiyal Castiay (NA2C1F) wishin sha Turatabla Landaraya
Table 14a Special-Statu	is Plant Species Known or w				he Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Limnanthes floccosa ssp. bellingeriana	Bellinger's meadowfoam			1B.2	Meadows and seeps, cismontane woodland. Vernally wet sites including wet edges of meadows, and damp, stony flats. 935 to 3609 ft in elevation. Blooms April-June.
Lomatium congdonii	Congdon's Iomatium			1B.2	Cismontane woodland, chaparral. Serpentine soils with serpentine chaparral plants and gray pines. 1099 to 2051 ft in elevation. Blooms March-June.
Lupinus citrinus var. citrinus	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.
- '	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.
Monardella linoides ssp. oblonga	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.
Monardella venosa	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.
Navarretia nigelliformis 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.
Navarretia paradoxiclara	Patterson's navarretia			1B.3	Meadows and seeps. Serpentinite, openings, vernally mesic, often drainages. 492 to 1411 ft in elevation. Blooms May-June (July).
Navarretia setiloba	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.
Packera eurycephala var. lewisrosei	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).
Paronychia ahartii	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.
Phacelia novenmillensis	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.
Platanthera yosemitensis	Yosemite bog orchid			1B.2	Meadows and seeps. Mesic areas. Granite substrates. 6890 to 7497 ft in elevation. Blooms July-August.
Potamogeton zosteriformis	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
Puccinellia simplex	California alkali grass			1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernally mesic. Sinks, flats, and lake margins. 3 to 3002 ft in elevation. Blooms March-May.
Rhynchospora californica	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.
Rhynchospora capitellata	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.
Ribes menziesii var. ixoderme	aromatic canyon gooseberry			1B.2	Chaparral, cismontane woodland. In forest openings. 2001 to 3806 ft in elevation. Blooms April.
Sagittaria sanfordii	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).
Scopelophila cataractae	tongue-leaf copper moss			2B.2	Cismontane woodland. Moss on metamorphic substrate; on soil. 1312 to 1312 ft in elevation. Blooms .
Senecio aphanactis	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
Senecio clevelandii var. heterophyllus	Red Hills ragwort			1B.2	Cismontane woodland. Drying serpentine soils; often along streams. 853 to 1263 ft in elevation. Blooms May-July.
Sidalcea robusta	Butte County checkerbloom			1B.2	Chaparral, cismontane woodland. Small draws and rocky crevices. 246 to 1312 ft in elevation. Blooms April-June.
Sphenopholis obtusata	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.
	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.
Stuckenia filiformis 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.
Symphyotrichum defoliatum	San Bernardino aster			1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 7 to 6693 ft in elevation. Blooms July-November.
Trifolium jokerstii	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.
Trifolium piorkowskii	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.
Viburnum ellipticum	oval-leaved viburnum			2B.3	Chaparral, cismontane woodland, lower montane coniferous forest. 705 to 4593 ft in elevation. Blooms May-June.
Wolffia brasiliensis	Brazilian watermeal			2B.3	Marshes and swamps. Shallow freshwater marshes. 66 to 328 ft in elevation. Blooms April-December.
Wyethia reticulata	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	California Rare Plant Rank				

E = Endangered

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

Table 14a Spec	al-Status Plant Species Known or	with Poter	ntial to C	Occur in th	ne Sierra Nevada Foothills Ecological Section (M261F) within the Treatable Landscape
Scientific Name			isting Sta		Habitat Description

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)

Table 14b Special-Stat	us Wildlife Species Known o	with	Poter	ntial to	Occur	in the	Sierra	Neva	da Fo	othil	ls Ecc	logic	al Sec	tion	(M26	61F)												
Special State		Lis	ting atus	0		,,, q,,c		. reva								e Treata	ble Lar	dscape										
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																												
Federal and State Listed/CDFW Fully Pro		1	1	1	1	1	1	1		1	I	ı	1	1	ı	1	T	1		I		1	ı					
Ambystoma californiense	California tiger salamander ²	T	Т		Х	Х	Х	Х			Х			Х		Х		Х	Х				Х			Х	Х	763,186
Anaxyrus californicus	arroyo toad	E	SC	.,	Х	X	X								X	X		X	.,		Х			Х		Х		891
Batrachoseps simatus	Kern Canyon slender salamander	1	T -	Х	X	X	X		Χ				-		Х	X	X	X	Х			Х	X	X		X	ļ.,.	28,365
Batrachoseps stebbinsi	Tehachapi slender salamander		T		Х	Х	Х						1	1	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х		Χ	X	89,552
Hydromantes brunus	limestone salamander		T FP		Х	Х	Х	Х								Х		Х	Х				Х			Χ		4,063
Hydromantes shastae	Shasta salamander		Т		Χ	Χ	Χ									Χ		Х									<u> </u>	<1
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Х	Х	Х	Х	Χ	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Χ	Х	2,559,154
Rana cascadae	Cascades frog ²		C SC		Х		Х					Χ				Х	Х	Х	Х				Х		Х	Χ		492
Rana draytonii	California red-legged frog ²	T	SC		Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х	Χ	Х	Χ	Χ	2,169,809
Rana muscosa	southern mountain yellow-legged frog ²	Е	Е		Χ	Χ	Х	Χ								Χ	Х	Х	Х	Х			Х		Х	Χ	Χ	131,634
Rana sierra	Sierra Nevada yellow-legged frog ²	Е	Т		Χ	Χ	Х	Χ								Χ		Х	Χ				Х		Х	Χ	Χ	<1
CDFW Species of Special Concern		•			,	•							,					,										
Ambystoma macrodactylum sigillatum	southern long-toed salamander ²		SC		Χ	Χ	Χ									Χ		Χ	X				Χ			Χ		1,382
Ascaphus truei	Pacific tailed frog ²		SC		Χ	Χ	Χ								Χ	Χ		Х								Χ	Χ	12,108
Batrachoseps relictus	relictual slender salamander		SC		Χ	Χ	Χ									Χ	Χ	Х								Χ		2,773
Lithobates pipiens	northern leopard frog ²		SC		Χ	Χ																						14
Spea hammondii	western spadefoot ²		SC		Χ	Χ	Χ	Х		Χ	Χ			Х	Χ	Χ		Х		Χ						Χ	Χ	1,060,821
Birds																												
Federal and State Listed/CDFW Fully Pro	otected			1	1		1			1	ı	1	1					•			_		1	1	, ,			
Agelaius tricolor	tricolored blackbird		E SC	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	2,721,584
Antigone canadensis tabida	greater sandhill crane		T FP		Х	Х	Х	Х			Х				Х	Х		Х		Х				Х		Χ	Х	2
Aquila chrysaetos	golden eagle		FP	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	2,721,585
Buteo swainsoni	Swainson's hawk		Т	Χ	Χ	Χ	Х	Χ	Χ		Χ				Χ	Χ	Χ	Х	Х	Х		Χ	Х	Χ		Χ	Χ	238,122
Coccyzus americanus occidentalis	western yellow-billed cuckoo	T	E	Х	Χ	Х	Х		Х						Χ	Χ		Х				Χ		Χ		Χ		10,246
Elanus leucurus	white-tailed kite		FP	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Х	Χ	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	2,721,585
Empidonax traillii	willow flycatcher		Е	Χ	Χ	Χ	Х	Χ	Χ	Χ		Х			Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	180,630
Empidonax traillii brewsteri	little willow flycatcher		Е		Х	Х	Х	Х	Χ	Х	Х	Х		Χ	Х	Х	Χ	Х	Х	Х	Χ		Х	Χ	Χ	Χ	X	2,459,378
Empidonax traillii extimus	southwestern willow flycatcher	E	Е	Х	Х	Χ	Х	Χ	Χ					Χ	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Х	Χ		Χ	Χ	155,388
Falco peregrinus anatum	American peregrine falcon		FP	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	2,721,585

Table 14b Special-Stat	tus Wildlife Species Known or	r with	Poten	tial to	Occur	in the	Sierra	a Neva	ıda Fc	oothil	ls Eco	ologica	al Sec	tion	(M26	1F)												
			ting atus									CWH	R Туре	s with	nin the	Treata	ble Lan	dscape										
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Gymnogyps californianus	California condor	Е	E FP	Х	Х	Х	Х	Х	Х				Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	492,892
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ	Х	2,721,585
Laterallus jamaicensis coturniculus	California black rail ²		T FP		Х	Х	Х		X	Х	Χ	Х		Х		Χ	Х	Х	Х	Х			Χ		Х	Χ	Х	389,935
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	Х	Χ	Х	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585
Polioptila californica californica	coastal California gnatcatcher	T	SC		Х	Х	Х								Χ	Χ	X	Х			Χ			Χ		Х	Х	2,000
Riparia riparia	bank swallow		T		Χ	Х	Х			Χ	Χ				Χ	Χ		Χ								Χ	Χ	12,167
Strix nebulosa	great gray owl		E		Χ	Χ	Х	Х	Χ			Χ				Χ	Χ	Χ	Х	Χ	Χ		Χ	Χ	Χ	Χ	Χ	349,936
Vireo bellii pusillus	least Bell's vireo	E	E	Χ	Χ	Χ	Х	Х							Χ	Χ	Χ	Χ	Х		Χ	Χ		Χ		Χ	Χ	18,882
CDFW Species of Special Concern																												
Accipiter gentilis	northern goshawk		SC		Χ	Χ	Х	Х	Χ	Χ		Χ			Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	143,579
Agelaius phoeniceus aciculatus	Kern reg-winged blackbird		SC		Χ		Х									Χ										Χ		284
Ammodramus savannarum	grasshopper sparrow		SC		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,695,324
Asio flammeus	short-eared owl		SC		Χ	Χ	Χ			Χ	Χ					Χ		Χ								Χ	Χ	9,524
Asio otus	long-eared owl		SC	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,584
Athene cunicularia	burrowing owl		SC	Х	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585
Aythya americana	redhead ²		SC	Χ	Χ	Х	Х				Χ				Χ	Χ		Χ						Χ		Χ	Χ	6,120
Chaetura vauxi	Vaux's swift		SC		Χ	Х	Х	Х				Χ				Χ	Χ	Χ	Х	Χ	Χ		Χ	Χ	Χ	Χ	Χ	1
Chlidonias niger	black tern ²		SC		Χ	Χ	Х				Χ															Χ		1,302
Circus cyaneus	northern harrier		SC		Χ	Х	Х	Х		Χ	Χ				Χ	Χ	Χ	Χ		Х				Χ		Χ	Χ	2
Contopus cooperi	olive-sided flycatcher		SC		Χ	Х	Х	Х	Х			Χ			Χ	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	1
Cypseloides niger	black swift		SC		Χ	Х	Х	Х								Χ	Χ	Х	Х	Х			Χ		Χ	Χ	Х	119,395
Dendragapus fuliginosus howardi	Mount Pinos sooty grouse		SC		Χ	Х	Х	Х	Х				Χ		Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	21,271
Grus canadensis canadensis	lesser sandhill crane		SC		Χ																							114
Icteria virens	yellow-breasted chat		SC		Χ	Х	Х	Х	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Х	Х	Χ		Χ	Χ	χ	Χ	Χ	2,463,915
Lanius ludovicianus	loggerhead shrike		SC	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585
Melospiza melodia mailliardi	Modesto song sparrow		SC		Χ	Х	Х	Х			Χ					Χ		Х								Χ	Χ	1
Pelecanus erythrorhynchos	American white pelican ²		SC	Х	Χ	Х	Х	Х		Χ	Χ			Χ	Χ	Χ		Х	Х				Χ	Χ		Χ	Χ	88,484
Piranga rubra	summer tanager		SC		Χ											Χ								Χ				11
Pooecetes gramineus affinis	Oregon vesper sparrow		SC	Х	Х	Х	Х	Х	Х	Х	Х		Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	2,139,942
Progne subis	purple martin		SC		Χ	Х	Х	Х	Х						Χ	Χ	Х	Х	Х	Х		Χ	Χ	Χ	Χ	Χ	Х	188,040
Setophaga petechia	yellow warbler		SC	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	2,721,584
Strix occidentalis occidentalis	California spotted owl		SC		Х	Х	Х	Х	Х	Х		Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	Х	1,653,643
Toxostoma bendirei	Bendire's thrasher	1	SC	Х	Χ	Х	Х								Х	Х		Х						Х		Х		2,475

Table 14b Special-Statu	us Wildlife Species Known or	with	Poten	tial to	Occur	in the	Sierra	a Neva	ıda Fc	othil	ls Eco	logica	al Sec	tion	(M26	51F)												
			ting atus									CWH	R Туре	s with	nin the	Treata	ble Lan	dscape										
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC		Х	Х	Х	Х			Х				Х	Χ	Χ	Х	Χ	Х		Χ		Χ		Χ	Х	16
Invertebrates																												
Federal and State Listed/CDFW Fully Pro-	tected																			•								
Bombus crotchii	Crotch bumble bee ²		С		Х	Χ	Х	Х	Х	Χ	Χ	Χ	Χ					Χ	Х	Х	Χ		Χ		Χ	Χ	Χ	2,049,220
Bombus occidentalis occidentalis	western bumble bee ²		С		Х	Х	Х		Х	Χ		Χ	Χ					Χ	Х	Х	Χ		Χ		Χ	Χ	Χ	2,570,657
Branchinecta conservatio	conservancy fairy shrimp ²	E			Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	χ	Χ	Χ	575,033
Branchinecta lynchi	vernal pool fairy shrimp ²	T			Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	1,197,121
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	T			Χ	Χ	Χ	Χ		Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Х			Χ		Χ	Χ	Χ	764,138
Euproserpinus euterpe	Kern primrose sphinx moth	T			Х	Χ	Χ									Χ	Χ	Χ	Χ							Χ		3,576
Glaucopsyche lygdamus palosverdesensis	Palos Verdes blue butterfly	E			Х	Χ	Χ								Χ	Χ	Χ	Χ			Χ			Χ		Χ	Χ	2,000
Lepidurus packardi	vernal pool tadpole shrimp ²	E			Х	Χ	Χ	Χ	Х	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ			Χ		Χ	Χ	Χ	692,389
Monadenia infumata setosa	Trinity bristle snail		T	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585
Pacifastacus fortis	Shasta crayfish ²	E	E		Χ	Χ	Χ									Χ		Χ								Χ	Χ	5,667
Speyeria callippe callippe	callippe silverspot butterfly	E			Χ	Χ	Χ								Χ	Χ	Χ	Χ			Χ			Χ		Χ	Χ	2,030
Streptocephalus woottoni	Riverside fairy shrimp ²	Е			Χ											Χ												1
Mammals																												
Federal and State Listed/CDFW Fully Pro	tected					,														•								
Ammospermophilus nelsoni	Nelson's antelope squirrel		T		Χ	Χ									Χ	Χ		Χ						Χ			Χ	<1
Bassariscus astutus	ringtail		FP	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,707,849
Dipodomys ingens	giant kangaroo rat	E	E		Х	Χ									Χ			Χ						Χ			Χ	<1
Dipodomys nitratoides exilis	Fresno kangaroo rat	E	E		Х	Χ	Χ	Χ						Χ		Χ		Χ								Χ	Χ	183,182
Dipodomys nitratoides nitratoides	Tipton kangaroo rat	E	E		Χ	Χ	Χ								Χ	Χ	Χ	Χ	Χ	Х		Χ		Χ	Χ	Χ	Χ	122,406
Gulo gulo	California wolverine	С	T FP		Х	Х	Х	Х								Χ	Х	Χ	Χ	Х			Χ		Х	Χ	Χ	149,474
Microtus californicus scirpensis	Amargosa vole	E	E	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,715,651
Pekania pennanti	fisher - West Coast DPS		T SC	Х	Х	Х	Х	Х	Х	Х		Х			Х	Χ	Х	Χ	Х	X	Х		Χ		Х	Χ	Χ	126,696
Perognathus longimembris pacificus	Pacific pocket mouse	Е	SC		Х	Χ	Х								Χ	Χ	Χ	Χ			Χ			Χ		Χ	Χ	2,000
Sorex ornatus relictus	Buena Vista Lake ornate shrew	Е	SC		Х	Χ	Х	Х					Χ		Χ	Χ	Χ	Χ	Х		Χ	Χ		Χ		Χ	Χ	15,215
Vulpes macrotis mutica	San Joaquin kit fox	Е	T		Х	Χ	Χ	Х							Χ	Χ		Χ		Х				Χ		Χ	Χ	153,594
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585
Xerospermophilus mohavensis	Mohave ground squirrel		T		Х	Χ									Χ	Χ	Χ	Χ	Х			Χ		Χ			Χ	<1
CDFW Species of Special Concern																												
Antrozous pallidus	pallid bat		SC	Χ	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585
Aplodontia rufa californica	Sierra Nevada mountain beaver		SC		Х	Χ	Х	Х								Χ		Χ	Х	Х			Χ			Χ	Χ	19,105
Corynorhinus townsendii	Townsend's big-eared bat		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585

Table 14b Special-Status	s Wildlife Species Known or	with	Poten	tial to	Occur	in the	Sierra	Neva	da Fo	othil	ls Ecc	logic	al Sec	tion	(M26	51F)												
			ting atus									CWH	R Туре	es with	nin the	Treatal	ble Lan	dscape										
		310	lus																<u> </u>									
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Euderma maculatum	spotted bat		SC	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,422,717
Eumops perotis californicus	western mastiff bat		SC	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,652,975
Lasiurus blossevillii	western red bat		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,702,632
Lepus americanus klamathensis	Oregon snowshoe hare		SC		Χ	Χ	Χ		Χ	Χ		Χ			Χ	Χ	Χ	Χ	Χ	Χ			Χ		Χ	Χ	Χ	39,931
Lepus americanus tahoensis	Sierra Nevada snowshoe hare		SC		Χ	Χ	Χ		Χ			Χ				Χ	Χ	Χ	Χ		Χ		Χ		Χ	Χ	Χ	15,178
Perognathus alticola inexpectatus	Tehachapi pocket mouse		SC		Χ	Χ	Χ						Χ		Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	47,752
Taxidea taxus	American badger		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585
Reptiles																												
Federal and State Listed/CDFW Fully Prote	ected																											
Gambelia sila	blunt-nosed leopard lizard	Е	Е		Х	Χ	Χ								Χ	Χ		Χ						Χ		Χ	Χ	<1
Gopherus agassizii	desert tortoise	T	T		Х	Χ										Χ	Χ	Χ	Х			Χ		Χ			Χ	<1
Thamnophis gigas	giant garter snake ²	T	T		Χ	Χ	Χ	Χ			Χ					Χ		Χ								Χ	Χ	4,072
CDFW Species of Special Concern																												
Anniella sp.	California legless lizard		SC	Χ	Χ	Χ	Χ	Χ	Χ				Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	567,996
Arizona elegans occidentalis	California glossy snake		SC		Χ	Χ	Χ	Χ					Χ		Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	62,532
Aspidoscelis tigris stejnegeri	coastal whiptail		SC		Χ										Χ	Χ	Χ	Χ			Х	Χ		Χ	Χ	Χ		<1
Emys marmorata	western pond turtle ²		SC	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585
Masticophis flagellum ruddocki	San Joaquin coachwhip		SC		Х	Х	Χ								Χ	Χ		Χ		Χ				Χ		Χ	Χ	354
Phrynosoma blainvillii	coast horned lizard		SC	Χ	Х	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	2,721,585
Salvadora hexalepis virgultea	coast patch-nosed snake		SC		Х	Χ									Χ	Χ	Χ	Χ			Χ	Χ		Χ	Χ	Χ	1	548
Thamnophis hammondii	two-striped garter snake ²		SC		Х	Χ	Χ	Χ					Χ		Χ	Χ	Χ	Χ	Х		Χ	Χ	Χ	Χ	Χ	Χ	Χ	63,579
Xantusia vigilis sierrae	Sierra night lizard		SC		Χ	Χ	Χ									Χ	Χ	Χ	Х	Χ			Χ	Χ		Χ	Χ	96,155

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 15a Special-State	us Plant Species Known or w	ith Poter	ntial to (Occur in th	ne Southeastern Great Basin Ecological Section (341F) within the Treatable Landscape
		L	isting Sta	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Federal and State Listed					
Sidalcea covillei	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					
Aliciella ripleyi	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.
Erigeron calvus	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.
Lomatium foeniculaceum ssp. macdougalii	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.
Mentzelia tridentata	creamy blazing star			1B.3	Mojavean desert scrub. 2297 to 3806 ft in elevation. Blooms March-May.

California Rare Plant Rank

E = Endangered

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 Great Basin Ecological	-Status Wildlife Species Known of Section (341F)	or wi	th Po	otent	ial t	э Ос	cur	in t	he S	Sou	theastern
			ing	(WHI	? Тур	es w	ithin	the		
		Sta	tus		Trea	table	Land	dsca I	pe	Ì	
Scientific Name	Common Name	Federal	State	Alkali Desert Scrub	Annual Grassland	Desert Scrub	Low Sage	Montane Chaparral	Pinyon-Juniper	Sagebrush	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians											
CDFW Species of Special Concer	n										
Batrachoseps campi	Inyo Mountains slender salamander		SC	Χ		Χ			Χ		15
Birds											
Federal and State Listed/CDFW I	ully Protected										
Aquila chrysaetos	golden eagle		FP	Χ	Χ	Χ	Χ	Χ	Χ	Χ	450
Buteo swainsoni	Swainson's hawk		Т	Χ		Χ					<1
Charadrius alexandrinus	snowy plover ²	Τ	SC	Χ		Χ					181
Empidonax traillii extimus	southwestern willow flycatcher	Е	Е	Χ		Χ	Χ		Χ	Χ	392
Falco peregrinus anatum	American peregrine falcon		FP	Χ		Χ	Χ		Χ	Χ	392
Haliaeetus leucocephalus	bald eagle		E FP	Χ		Χ					<1
Passerculus sandwichensis beldingi	Belding's savannah sparrow		Е	Χ	Х	Χ		Χ			58
CDFW Species of Special Concer	n		ļ	ļ	<u> </u>	•			ļ	ļ	
Accipiter gentilis	northern goshawk		SC	Χ		Χ			Х	Х	86
Asio otus	long-eared owl		SC	Х	Χ	Χ	Χ	Χ	Χ	Χ	450
Athene cunicularia	burrowing owl		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	450
Circus cyaneus	northern harrier		SC	Χ		Χ					<1
Icteria virens	yellow-breasted chat		SC	Χ		Χ					<1
Ixobrychus exilis	least bittern ²		SC	Х		Χ	Χ	Χ			38
Lanius Iudovicianus	loggerhead shrike		SC	Х	χ	Χ	Χ	Χ	Χ	Χ	450
Pelecanus erythrorhynchos	American white pelican ²		SC	Χ		Χ					<1
Setophaga petechia	yellow warbler		SC	Χ		Χ	Χ		Χ	Χ	392
Toxostoma lecontei	Le Conte's thrasher		SC	Χ	Χ	Χ		Χ			58
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Χ		Χ	Χ		Χ	Χ	392
Invertebrates											
Federal and State Listed/CDFW I	ully Protected										
Ambrysus funebris	Nevares Spring naucorid bug (=Furnace Creek) ²	С		Χ		Χ	Х		Х	Х	392
Bombus crotchii	Crotch bumble bee ²		С		Χ						<1
Monadenia infumata setosa	Trinity bristle snail		Τ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	450
Speyeria callippe callippe	callippe silverspot butterfly	Ε		Χ		Χ	Χ		Χ	Χ	392

Table 15b Specia Great Basin Ecological	l-Status Wildlife Species Know Section (341F)	n or wi	th Po	otent	ial t	о Ос	cur	in t	he S	Sou	theastern
			ting Itus	(R Typo table				1	
Scientific Name	Common Name	Federal	State	Alkali Desert Scrub	Annual Grassland	Desert Scrub	Low Sage	Montane Chaparral	Pinyon-Juniper	Sagebrush	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Mammals											
Federal and State Listed/CDFW		1		ı	1			ı	ı	ı	
Bassariscus astutus	ringtail		FP	Χ	Χ	Х	Х	Χ	Χ	Χ	450
Microtus californicus scirpensis	Amargosa vole	E	E	Χ		Χ	Χ		Χ	Χ	392
Ovis canadensis nelsoni	desert bighorn sheep		FP	Χ	Χ	Х	Χ	Χ	Χ	Χ	450
Sorex ornatus relictus	Buena Vista Lake ornate shrew	E	SC	Χ		Χ	Χ		Χ	Χ	392
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Χ	Χ	Χ		Χ			58
Xerospermophilus mohavensis	Mohave ground squirrel		T	1X	Χ	Χ		Χ			58
CDFW Species of Special Conce	rn										
Antrozous pallidus	pallid bat		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	450
Corynorhinus townsendii	Townsend's big-eared bat		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	450
Euderma maculatum	spotted bat		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	450
Eumops perotis californicus	western mastiff bat		SC	Χ		Χ					13
Lepus townsendii townsendii	western white-tailed jackrabbit		SC	Χ		Χ	Χ		Χ	Χ	392
Microtus californicus vallicola	Owens Valley vole		SC	Χ		Χ	Χ				325
Taxidea taxus	American badger		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	450
Reptiles											
CDFW Species of Special Conce	rn										
Elgaria panamintina	Panamint alligator lizard		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	448

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 16a Special-Statu	ıs Plant Species Known or v	vith Pote	ntial to (Occur in tl	he Southern California Coast (261B) Ecological Section within the Treatment Areas
			isting Sta		
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Federal and State Listed					
Acanthomintha ilicifolia	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.
Ambrosia pumila	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.
Arctostaphylos glandulosa ssp. crassifolia	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.
Astragalus brauntonii	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.
Astragalus pycnostachyus var. lanosissimus	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.
Baccharis vanessae	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.
Brodiaea filifolia	thread-leaved brodiaea	Т	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.
Calochortus dunnii	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.
Chorizanthe orcuttiana	Orcutt's spineflower	E	Е	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.
Chorizanthe parryi var. fernandina	San Fernando Valley spineflower	С	Е	1B.1	Coastal scrub, valley and foothill grassland. Sandy soils. 49 to 3330 ft in elevation. Blooms April-July.
Cirsium rhothophilum	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.
Cirsium scariosum var. loncholepis	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.
Cordylanthus rigidus ssp. littoralis	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.
Deinandra conjugens	Otay tarplant	Т	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.
	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.
Deinandra minthornii	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.
Diplacus vandenbergensis	Vandenberg monkeyflower	Е		1B.1	Cismontane woodland, chaparral, coastal dunes. Sandy, often disturbed areas. 246 to 394 ft in elevation. Blooms April-June.
Dithyrea maritima	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.
Dudleya cymosa ssp. agourensis	Agoura Hills dudleya	T		1B.2	Chaparral, cismontane woodland. Rocky, volcanic breccia. 886 to 1509 ft in elevation. Blooms May-June.
Dudleya cymosa ssp. marcescens	marcescent dudleya	Т	R	1B.2	Chaparral. On sheer rock surfaces and rocky volcanic cliffs. 476 to 2198 ft in elevation. Blooms April-July.
Dudleya cymosa ssp. ovatifolia	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.
Dudleya parva	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.
Dudleya stolonifera	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.
Dudleya verityi	Verity's dudleya	Т		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.
Eriodictyon capitatum	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.
Eriogonum crocatum	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.

Scientife Name Common Name Federal State Common Name Federal State Confidence of Scientife Name Socientife Name Common Name Socientife Name Contract Name Socientife N	Table 16a Special-Statu	s Plant Species Known or	with Pote	ntial to	Occur in t	he Southern California Coast (261B) Ecological Section within the Treatment Areas
Section for the composition of t						
Segmentation of grant of the confidence of the c	Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
Selection Source in Foreignant (1) Selection Source More Augus Control Source More Augus Control Source May (1) Selection Source More Augus Control Source A	Eryngium aristulatum var. parishii	San Diego button-celery	E	E	1B.1	
Sake cances Active A	Fremontodendron mexicanum	Mexican flannelbush	E	R	1B.1	
Visuamenta boolis Visuamenta bo	Hazardia orcuttii	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.
All adjacent costs size vision Service S	Layia carnosa	beach layia	E	Е	1B.1	Coastal dunes, coastal scrub. On sparsely vegetated, semi-stabilized dunes, usually behind foredunes. 0 to 98 ft in elevation. Blooms March-July.
Seaments autous protocognetic	Monardella viminea	willowy monardella	E	E	1B.1	
Ocuris a clifornica	Navarretia fossalis	spreading navarretia	Т		1B.1	
Postera paraginaries Garder's regrective tay from prescriptions Let B 18,1 Chaparral, Recently hurned sites and galabric outcrops. 1591 to 3510 fin elevation. Blooms April-lune. Prescriptions before the prescription of Chaparral (usually at the ecotion between grassland and chaparral or edges of firebreaks. 98 to 267 ft in elevation. Blooms March-July. Prescription of Chaparral (usually at the ecotion between grassland and chaparral or edges of firebreaks. 98 to 267 ft in elevation. Blooms March-July. Prescription of Chaparral (usually at the ecotion between grassland and chaparral or edges of firebreaks. 98 to 267 ft in elevation. Blooms March-July. Prescription of Chaparral (usually at the ecotion between grassland and chaparral or edges of firebreaks. 98 to 267 ft in elevation. Blooms March-July. Prescription of Chaparral (usually at the ecotion between grassland and chaparral or edges of firebreaks. 98 to 267 ft in elevation. Blooms March-July. Prescription of Chaparral (usually at the ecotion between grassland and chaparral or edges of firebreaks. 98 to 267 ft in elevation. Blooms March-July. Prescription of Chaparral (usually at the ecotion between grassland and chaparral or edges of firebreaks. 98 to 267 ft in elevation. Blooms March-July. Prescription of Chaparral (usually at the ecotion between grassland and chaparral or edges of firebreaks. 98 to 267 ft in elevation. Blooms March-July. Prescription of Chaparral (usually at the ecotion between grassland and chaparral or edges of firebreaks. 98 to 267 ft in elevation. Blooms March-July. Prescription of Chaparral (usually at the ecotion blooms of prescription and policy in the evation. Blooms April-July. Prescription of Chaparral (usually at the ecotion blooms and prescription of Chaparral (usually at the ecotion blooms and prescription of Chaparral (usually at the ecotion blooms and prescription of Chaparral (usually at the ecotion blooms and prescription of Chaparral (usually at the ecotion blooms and prescription of Chaparral (usually at	Nolina interrata	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.
Pentacheata Jannii Juni's pentacheata E E 18.1 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 March-July. Peopogne sharmsi San Diego mesi mint E E 8.18.1 Vernal pools within grasslands, chamise chaparral, or coastal sage scrub communities. 230 to 640 ft in elevation. Blooms March-July. Peopogne nutiscuals Oby Mesi mint E E 8.18.1 Vernal pools within grasslands, chamise chaparral, or coastal sage scrub communities. 230 to 640 ft in elevation. Blooms March-July. Peopogne nutiscuals Displement of the elevation of the elevation of the elevation. Blooms March-July. Peopogne nutiscuals Displement of the elevation of the elevation of the elevation. Blooms March-July. Peopogne nutiscuals Displement of the elevation of the elevation of the elevation. Blooms March-July. Peopogne nutiscuals Displement of the elevation of the elevation of the elevation. Blooms March-July. Peopogne nutiscuals Displement of the elevation of the elevation of the elevation. Blooms April-July. Peopogne nutiscuals Displement of the elevation of the e	Orcuttia californica	California Orcutt grass	E	E	1B.1	Vernal pools, wetland. 33 to 2165 ft in elevation. Blooms April-August.
Perturbates yorn John perturbates E E E IBI February March-August Pogogine a bramaii San Diego mes mirit E E IBI Pogogine in discussion Doy Mesa mirit E E IBI Vernal pools within grasslands, chamise chaparral, or coastal sage scrub communities. 230 to 640 ft in elevation. Blooms March-July. Pogogine noticiscula Doy Mesa mirit E E IBI Pogogine noticiscula Doy Mesa mirit E E IBI Vernal pools within grasslands, chamise chaparral, or coastal sage scrub communities. 230 to 640 ft in elevation. Blooms March-July. Pogogine noticiscula Doy Mesa mirit Doy Mesa m	Packera ganderi	Gander's ragwort		R	1B.2	Chaparral. Recently burned sites and gabbro outcrops. 1591 to 3510 ft in elevation. Blooms April-June.
Pogggyne nudiascula Themopsis macrophylla Sana Yare idisk lupine R 181 Themopsis macrophylla R 183 Chaparral, In open areas such as tuel breaks, after burns; on sandstone. 1198 to 3510 ft in elevation. Blooms Agri-Lune. Webeina dissis injeleaed crowrbeard T T 181 Chaparral, coastal scrub, Seep 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 Abronal villosa var aurita Anhorida charopodifolia Anhorida charopodifolia Anhorida charopodifolia Anhorida varita	Pentachaeta Iyonii	Lyon's pentachaeta	E	E	1B.1	
Thermopsis macrophylla Santa Yrez false lupine T R 18.3 Chaparral, In open areas such as fuel breaks, after burns; on sandstone. 1198 to 3510 ft in elevation. Blooms April-June. Verbesina disolate Subjected cownbeard T R 18.1 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 adolphia Adopsis hower California adolphia Adopsis hower Pass Sandy areas. 246 to 5249 ft in elevation. Blooms January September. Adophia adolphia Adopsis hower Hower Sandy gravelly to clay soils within valley and foothill grassland, coastal sex ges zrrub, or chaparral; various exposures. 148 to 2428 ft in elevation. Blooms December-May. Approxis hower Hower Sandy areas Sandy areas. 246 to 5249 ft in elevation. Blooms January September. Adophia adolphia Adopsis hower Pass I 18.1 Chaparral, dismonwood woodland, closes of care, volley and foothill grassland, coastal sandy sizes. 197 to 25.10 ft in elevation. Blooms April-July. Ambrosia monogyra display burns and the proposition of the prop	Pogogyne abramsii	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.
Verbesina dissita big-leaved crownbeard T T T 18.1 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 Adophia californica California adolphia Chaparral sand-verbena Shoronia villosa var. aurita Shoronia var. Agrossis Associata var. Slopes of canyons in open maritime succulent scrub usually with little herbaceous cover. 66 to 820 ft in elevation. Blooms April-July. Anchosia chenopodificia Santa Yinez groundstar January Santa Yinez groundstar January Santa Vinez groundstar January Santa Santa Vinez groundstar January Santa Vinez groundstar January Santa Vinez groundstar January Santa Vinez groundstar January Santa Vinez groundstar January Santa Vinez groundstar January Santa Vinez groundstar January Santa Vinez groundstar January Santa Vinez groundstar January Santa Vinez groundstar Janua	Pogogyne nudiuscula	Otay Mesa mint	E	E	1B.1	Dry beds of vernal pools and moist swales with Eryngium aristulatum var. parishii and Orcuttia californica. 443 to 541 ft in elevation. Blooms May-July.
Abronia villosa var. aurita chaparral sand-verbena 18.1 Chaparral, coastal scrub, desert dunes. Sandy areas. 246 to 5249 ft in elevation. Blooms January-September. Adolphia californica California adolphia 28.1 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. Agrosits hooveri Hoover's bent grass 18.2 Chaparral, cismontane woodland, closed-cone conferous forests, valley and foothill grassland. Sandy sites. 197 to 2510 ft in elevation. Blooms April-July. Ambrosia chenopodificila San Diego bur-sage 28.1 Coastal scrub. Slopes of canyons in open maritime succulent scrub usually with little herbaceous cover. 66 to 820 ft in elevation. Blooms April-June. Ancistrocarphus keili Santa Yinez groundstar 18.1 Chaparral, cismontane woodland. Sandy soils. 13 to 1558 ft in elevation. Blooms August-November. Ancistoraphus keili Santa Yinez groundstar 18.1 Chaparral, cismontane woodland. Sandy soils. 13 to 1658 ft in elevation. Blooms March-April. Aphanisma birtioides phanisma 18.2 Coastal buffs grub, 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. Arctostaphylos oxyemis 20 gram maranita 18.2 Chaparral, cismontane woodland. Metavolcanic soils with other chaparral associates. 394 to 5003 ft in elevation. Blooms Marc. Arctostaphylos purissima La Purisima maranita 18.2 Chaparral, cismontane woodland. Metavolcanic soils with other chaparral associates. 394 to 5003 ft in elevation. Blooms January-April. Arctostaphylos purissima La Purisima maranita 18.2 Chaparral, cismontane woodland. Metavolcanic soils with other chaparral associates. 394 to 5003 ft in elevation. Blooms November-May. Arctostaphylos purissima La Purisima maranita 18.2 Chaparral, costal scrub. On sandstone. 902 to 2690 ft in elevation. Blooms November-May. Arctostaphylos purissima La Purisima maranita 18.2 Chaparral, costal scrub. On sandstone.	Thermopsis macrophylla	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.
Abronia villosa var. aurita chaparral sand-verbena 18.1 Chaparral, coastal scrub, desert dunes. Sandy areas. 246 to 5249 ft in elevation. Blooms January-September. Acidiprina addolphia 28.1 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 April-July. Agrosts hooveri Hoover's bent grass 18.2 Chaparral, cismontane woodland, closed-cone coniferous forest, valley and foothill grassland. Sandy sites. 197 to 2510 ft in elevation. Blooms April-July. Anchorsia chenopodifolia San Diego bur-sage 28.1 Coastal scrub. Slopes of canyons in open maritime succulent scrub usually with little herbaceous cover, 66 to 820 ft in elevation. Blooms April-July. Anchorsia phose kelii Santa Yrez groundstar 18.1 Chaparral, cismontane woodland. Sandy soils. 16 to 1558 ft in elevation. Blooms August-November. Ancistoraphis kelii Santa Yrez groundstar 18.1 Chaparral, cismontane woodland. Sandy soils. 131 to 427 ft in elevation. Blooms March-April. Aphanisma blitoides aphanisma 18.2 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. Arctostaphylos custacea ssp. eastwoodlana Eastwoods brittle-leaf manzanita 18.1 Chaparral, in maritime chaparral on sandy soils, in the La Purisima Ridge, Burton Mesa, and Porint Sal areas. 295 to 1198 ft in elevation. Blooms March-April. Arctostaphylos refugioensis Alegio manzanita 18.1 Chaparral, coastal scrub. Sandstone outcrops, sandy soil. 197 to 1280 ft in elevation. Blooms November-May. Arctostaphylos refugioensis Agigo manzanita 18.2 Chaparral, coastal scrub. Sandstone outcrops, sandy soil. 197 to 1280 ft in elevation. Blooms November-Pebruary. Arctostaphylos refugioensis Agigo manzanita 18.2 Chaparral, coastal scrub. On sandy soils in Lompoc/Nipomo area. 66 to 10099 ft in elevation. Blooms November-February. Aparagalus delaymocarpus var. milesianus Miles milk-vetch 18.2 Coast		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.
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Attribies partices Isolito coast saltscale I I I I I I I I I I I I I I I I I I I	Atriplex pacifica	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-Statu	s Plant Species Known or v	_			ne Southern California Coast (261B) Ecological Section within the Treatment Areas
		L	isting Sta	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Atriplex parishii	Parish's brittlescale			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.
Atriplex serenana var. davidsonii	Davidson's saltscale			1B.2	Coastal bluff scrub, coastal scrub. Alkaline soil. 33 to 656 ft in elevation. Blooms April-October.
Baccharis malibuensis	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.
Bergerocactus emoryi	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.
Bloomeria clevelandii	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.
Brodiaea orcuttii	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.
Calochortus clavatus var. gracilis	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).
Calochortus fimbriatus	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.
Calochortus weedii var. intermedius	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.
Carex obispoensis	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.
Caulanthus amplexicaulis var. barbarae	Santa Barbara jewelflower			1B.1	Closed-cone coniferous forest, cismontane woodland, chaparral. Serpentine soils. 1378 to 4003 ft in elevation. Blooms May-July.
Ceanothus cyaneus	Lakeside ceanothus			1B.2	Closed-cone coniferous forest, chaparral. 656 to 3412 ft in elevation. Blooms April-June.
Ceanothus otayensis	Otay Mountain ceanothus			1B.2	Chaparral. Metavolcanic or gabbroic soils. 246 to 3806 ft in elevation. Blooms January-April.
Ceanothus verrucosus	wart-stemmed ceanothus			2B.2	Chaparral. 3 to 1247 ft in elevation. Blooms December-May.
Centromadia parryi ssp. australis	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.
Centromadia pungens ssp. laevis	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.
Chaenactis glabriuscula var. orcuttiana	Orcutt's pincushion			1B.1	Coastal bluff scrub, coastal dunes. Sandy sites. 10 to 262 ft in elevation. Blooms January-August.
Chenopodium littoreum	coastal goosefoot			1B.2	Coastal dunes. 33 to 98 ft in elevation. Blooms April-August.
Chorizanthe parryi var. parryi	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.
Chorizanthe polygonoides var. longispina	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.
Chorizanthe rectispina	straight-awned spineflower			1B.3	Cismontane woodland, coastal scrub. Often on granite in chaparral. 164 to 3412 ft in elevation. Blooms April-July.
Cirsium occidentale var. compactum	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.
Cladium californicum	California saw-grass			2B.2	Meadows and seeps, marshes and swamps (alkaline or freshwater)66 to 7005 ft in elevation. Blooms June-September.
Clarkia delicata	delicate clarkia			1B.2	Cismontane woodland, chaparral. Often on gabbro soils. 164 to 4462 ft in elevation. Blooms April-June.
Clinopodium chandleri	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.
Comarostaphylis diversifolia ssp. diversifolia	•			1B.2	Cismontane woodland. Often in mixed chaparral in California, sometimes post-burn. 98 to 3100 ft in elevation. Blooms April-June.
Corethrogyne filaginifolia var. linifolia	Del Mar Mesa sand aster			1B.1	Chaparrall, 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.
Cylindropuntia californica var. californica	snake cholla			1B.1	Chaparral, coastal scrub. 49 to 951 ft in elevation. Blooms April-May.
Deinandra floribunda	Tecate tarplant			1B.2	Chaparral, coastal scrub. Often in little drainages or disturbed areas. 230 to 4003 ft in elevation. Blooms August-October.
Delphinium parryi ssp. blochmaniae	dune larkspur			1B.2	Chaparral, coastal dunes (maritime). On rocky areas and dunes. 49 to 1230 ft in elevation. Blooms April-June.
Delphinium umbraculorum	umbrella larkspur			1B.3	Cismontane woodland. Mesic sites. 1312 to 5249 ft in elevation. Blooms April-June.

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Table 16a Special-State	us Plant Species Known or v				he Southern California Coast (261B) Ecological Section within the Treatment Areas
Scientific Name	Common Name	Federal	isting Sta	California Rare Plant Rank	Habitat Desription
Dicranostegia orcuttiana	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).
Dudleya blochmaniae ssp. blochmaniae	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.
Dudleya multicaulis	many-stemmed dudleya			1B.1	Chaparral, coastal scrub, valley and foothill grassland. In heavy, often clayey soils or grassy slopes. 49 to 2592 ft in elevation. Blooms April-July.
	+ ' '			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.
Dudleya variegata Dudleya viscida	variegated 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.
	sticky dudleya				
Ericameria palmeri var. palmeri	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.
Erigeron blochmaniae	Blochman's leafy daisy			1B.2	Coastal dunes, coastal scrub. Sand dunes and hills. 10 to 148 ft in elevation. Blooms June-August.
Euphorbia abramsiana	Abrams' spurge			2B.2	Mojavean desert scrub, Sonoran desert scrub. Sandy sites148 to 4741 ft in elevation. Blooms (August), September-November.
Euphorbia misera	cliff spurge			2B.2	Coastal bluff scrub, coastal scrub, Mojavean desert scrub. Rocky sites. 10 to 1411 ft in elevation. Blooms December-August (October).
Ferocactus viridescens	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.
Fritillaria ojaiensis	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.
Galium proliferum	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.
Grindelia hallii	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 Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms May-October.
Hesperocyparis forbesii	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.
Heterotheca sessiliflora ssp. sessiliflora	beach goldenaster			1B.1	Coastal dunes, coastal scrub, chaparral (coastal). Sandy sites. 0 to 16 ft in elevation. Blooms March-December.
Horkelia cuneata var. puberula	mesa horkelia			1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 49 to 5397 ft in elevation. Blooms February-July (September).
Horkelia cuneata var. sericea	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.
Horkelia truncata	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.
Imperata brevifolia	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.
Isocoma menziesii var. decumbens	decumbent goldenbush			1B.2	Coastal scrub, chaparral. Sandy soils; often in disturbed sites. 3 to 3002 ft in elevation. Blooms April-November.
Iva hayesiana	San Diego marsh-elder			2B.2	Marshes and swamps, alkali playas. Riverwashes. 3 to 1411 ft in elevation. Blooms April-October.
Juncus luciensis	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.
Lasthenia glabrata ssp. coulteri	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.
Layia heterotricha	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.
Lepechinia cardiophylla	heart-leaved pitcher sage			1B.2	Closed-cone coniferous forest, chaparral, cismontane woodland. 1706 to 4495 ft in elevation. Blooms April-July.
Lepechinia ganderi	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.
Leptosyne maritima	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.
Lonicera subspicata var. subspicata	Santa Barbara honeysuckle			1B.2	Chaparral, cismontane woodland, coastal scrub. 16 to 2707 ft in elevation. Blooms May-August (December), (February).
Lupinus paynei	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).
Malacothamnus davidsonii	Davidson's bush-mallow			1B.2	Coastal scrub, riparian woodland, chaparral, cismontane woodland. Sandy washes. 492 to 5003 ft in elevation. Blooms June-January.
Monardella hypoleuca ssp. hypoleuca	white-veined monardella			1B.3	Chaparral, cismontane woodland. Dry slopes. 164 to 5003 ft in elevation. Blooms (April), May-August (September), (October), (November), (December).
Monardella hypoleuca ssp. intermedia	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.
Monardella hypoleuca ssp. lanata	felt-leaved monardella		1	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.
international hypoteuca ssp. lattata	Tere reaved monardella	1	I .	10.4	Cosmontane woodiand. Occars in anacistory in mixed chapaira, chamise chapaira, and southern our woodiand, salidy soil. 304 to 3107 It in elevation, blooms salide Adgust.

Table 16a Special-State	us Plant Species Known or	with Pote	ntial to	Occur in t	he Southern California Coast (261B) Ecological Section within the Treatment Areas
Special State			isting Sta		
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Monardella sinuata ssp. gerryi	Gerry's curly-leaved monardella			1B.1	Coastal scrub. Sandy openings. 492 to 804 ft in elevation. Blooms April-June.
Monardella sinuata ssp. sinuata	southern curly-leaved monardella			1B.2	Coastal dunes, coastal scrub, chaparral, cismontane woodlands. Sandy soils. 0 to 984 ft in elevation. Blooms April-September.
Monardella stoneana	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.
Monardella undulata ssp. arguelloensis	Point Arguello monardella			1B.1	Coastal bluff scrub, coastal dunes (stabilized), coastal scrub. Sandy substrate. 164 to 492 ft in elevation. Blooms May-September.
Monardella undulata ssp. crispa	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).
Monardella undulata ssp. undulata	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.
Nama stenocarpa	mud nama			2B.2	Marshes and swamps. Lake shores, river banks, intermittently wet areas. 16 to 1640 ft in elevation. Blooms January-July.
Navarretia ojaiensis	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.
Navarretia peninsularis	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.
Navarretia prostrata	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.
Nolina cismontana	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.
Penstemon californicus	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).
Pentachaeta aurea ssp. allenii	Allen's pentachaeta			1B.1	Openings in valley and foothill grasslands, coastal scrub. 246 to 1706 ft in elevation. Blooms March-June.
Pleuridium mexicanum	Mexican earthmoss			2B.1	Chaparral. Sandstone. 1444 to 1444 ft in elevation.
Pseudognaphalium leucocephalum	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).
Quercus cedrosensis	Cedros Island oak			2B.2	Closed-cone coniferous forest, chaparral, coastal scrub. 427 to 3199 ft in elevation. Blooms April-May.
Quercus dumosa	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).
Ribes divaricatum var. parishii	Parish's gooseberry			1A	Riparian woodland. <i>Salix</i> swales in riparian habitats. 213 to 984 ft in elevation. Blooms February-April.
Salvia munzii	Munz's sage			2B.2	Coastal scrub, chaparral. Rolling hills and slopes, in rocky soil. 115 to 1886 ft in elevation. Blooms February-April.
Scrophularia atrata	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.
Senecio aphanactis	chaparral ragwort			2B.2	Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
Sidalcea neomexicana	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.
Spermolepis lateriflora	western bristly scaleseed			2A	Sonoran desert scrub. Rocky or sandy. 1198 to 2198 ft in elevation. Blooms March-April.
Stemodia durantifolia	purple stemodia			2B.1	Sonoran desert scrub. Sandy soils; mesic sites. 115 to 1263 ft in elevation. Blooms January-December.
Suaeda esteroa	estuary seablite			1B.2	Swamps. Coastal salt marshes in clay, silt, and sand substrates. 0 to 16 ft in elevation. Blooms May-October (January).
Symphyotrichum defoliatum	San Bernardino aster			1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 7 to 6693 ft in elevation. Blooms July-November.
Tetracoccus dioicus	Parry's tetracoccus			1B.2	Chaparral, coastal scrub. Stony, decomposed gabbro soil. 541 to 3281 ft in elevation. Blooms April-May.
Thelypteris puberula var. sonorensis	Sonoran maiden fern			2B.2	Meadows and seeps. Along streams, seepage areas. 164 to 2001 ft in elevation. Blooms January-September.
Tortula californica	California screw moss			1B.2	Chenopod scrub, valley and foothill grassland. Moss growing on sandy soil. 33 to 4790 ft in elevation.
Triquetrella californica	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.
Viguiera purisimae	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	California Rare Plant Rank				

Listing Status California Rare Plant Rank

E = Endangered 1A = Plants presumed extirpated in California and either rare or extinct elsewhere T = Threatened 1B = Plants rare, threatened, or endangered in California and elsewhere

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

Table 16a Special-Statu	ıs Plant Species Known or v				he Southern California Coast (261B) Ecological Section within the Treatment Areas
Scientific Name	Common Name	Federal	isting Sta	California	

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)

Table 16b Special-Sta	tus Wildlife Species Known or	with I	Potent	tial to (Occur in the	e South	ern Cal <u>if</u>	ornia Coa	st Ecolog	ical Sec	tion (26	51B)									
·	·	Lis	ting atus						Ĭ			in the Treata	ble Lan	dscape							
Scientific Name	Common Name	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	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																					
Federal and State Listed/CDFW Fully P	rotected																				
Ambystoma californiense	California tiger salamander ²	T	Т	Х				Х	Х	Х	Х	Х		Х					Х	Χ	88,533
Anaxyrus californicus	arroyo (=arroyo southwestern) toad ²	Е		Х	Х		Χ	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	292,735
Rana boylii	foothill yellow-legged frog ²		C SC	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	295,059
Rana draytonii	California red-legged frog ²	Т	SC	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	860,304
Rana muscosa	southern mountain yellow-legged frog ²	Е	E	Х					Х	Х		Х	Х				1		Х		<1
CDFW Species of Special Concern	, , , ,		<u> </u>	ı		ı.		l	1		I.	l		l.	ı	1	I		l .	1	
Spea hammondii	western spadefoot ²		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	817,613
Taricha torosa	coast range newt ²		SC	Х			Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х		Х	Х	Χ	227,965
Birds																					
Federal and State Listed/CDFW Fully P	rotected																				
Agelaius tricolor	tricolored blackbird		E SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	693,970
Aquila chrysaetos	golden eagle		FP	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	851,519
Charadrius alexandrinus nivosus	western snowy plover ²	T	SC	Χ			Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х		Х	Х	Χ	409,704
Coccyzus americanus occidentalis	western yellow-billed cuckoo	T	Е	Х			Х	Х	Х	Х	Х	Х			Х				Х		13,811
Elanus leucurus	white-tailed kite		FP	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	860,305
Empidonax traillii	willow flycatcher		Е	Χ					Х	Χ	Х	Х			Х		Х		Х		8,214
Empidonax traillii extimus	southwestern willow flycatcher	Е	Е	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	843,279
Falco peregrinus anatum	American peregrine falcon		FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	860,305
Gymnogyps californianus	California condor	Е	E FP	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	231,682
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	860,305
Laterallus jamaicensis coturniculus	California black rail ²		T FP	Х						Х		Х				Х			Х		-
Passerculus sandwichensis beldingi	Belding's savannah sparrow		Е	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	860,305
Pelecanus occidentalis californicus	California brown pelican ²		FP							Х											<1
Polioptila californica californica	coastal California gnatcatcher	T	SC	Х	Х		Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	490,865
Rallus obsoletus levipes	light-footed Ridgway's rail ²	Е	E FP	Х			Х		Х	Х	Х	Х	Х			Х			Х	Х	63,353
Sternula antillarum browni	California least tern ²	Е	E FP	Х			Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	179,838
Vireo bellii pusillus	least Bell's vireo	Е	Е	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	850,431

Table 16b Special-Sta	tus Wildlife Species Known or	with	Poten	tial to C	Occur in th	ne South	nern Calif	ornia Coa	st Ecolog	jical Sed	ction (26	51B)									
			ting atus							CWHR 1	Types with	in the Treata	able Lan	dscape							
Scientific Name	Common Name	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	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
CDFW Species of Special Concern			1			1				_	ı		<u> </u>		ı			1		_	
Ammodramus savannarum	grasshopper sparrow		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	776,726
Asio flammeus	short-eared owl		SC	Х					Х	Х		Х									301
Asio otus	long-eared owl		SC	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	599,975
Athene cunicularia	burrowing owl		SC	Χ	Х		Х	Х	Х	Χ	Х	Х	Χ	Х	Х	Х	Х		Х	Х	286,725
Aythya Americana	redhead ²		SC	Х			Х	Х	Х	Х	Х	Х	Χ		Х	Х			Х		116,105
Campylorhynchus brunneicapillus sandiegensis	San Diego cactus wren		SC	Х			Х		Х	Х	Х	Х	Х		Х	Х			Х		74,950
Charadrius montanus	mountain plover		SC	Х					Х	Х	Х	Х				Х			Х		5,455
Circus hudsonius	northern harrier		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х		Х	Х	Х	335,594
Cistothorus palustris clarkae	Clark's marsh wren ²		SC	Х			Х	Х	Х	Х	Х	Х							Х		11,567
Contopus cooperi	olive-sided flycatcher		SC	Х	Х		Х	Х	Х	Х	Х	Х	Χ	Χ		Х		Х	Х	Х	211,519
Coturnicops noveboracensis	yellow rail ²		SC	Х						Х						Х					-
Cypseloides niger	black swift		SC	Х					Х	Х		Х	Χ								267
Fratercula cirrhata	tufted puffin ²		SC							Х											<1
Icteria virens	yellow-breasted chat		SC	Χ	Χ	Х	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Х	Х	Х	Х	Х	Х	851,656
Ixobrychus exilis	least bittern ²		SC	Χ			Х	Χ	Х	Х	Χ	Х	Χ	Χ				Х	Х	Х	69,857
Lanius Iudovicianus	loggerhead shrike		SC	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Х	860,305
Oceanodroma homochroa	ashy storm-petrel ²		SC							Х											<1
Passerculus sandwichensis alaudinus	Bryant's savannah sparrow		SC	Χ					Х	Х									Х		<1
Pooecetes gramineus affinis	Oregon vesper sparrow		SC	Χ			X	Χ	Х	Χ	Χ	Χ	Χ		Х	X			Х		175,383
Progne subis	purple martin		SC	Χ	Χ	Х	Χ	Х	Х	Х	Х	Х	Χ	Χ	Χ			Х	Х	Χ	189,939
Ptychoramphus aleuticus	Cassin's auklet ²		SC							Х											<1
Pyrocephalus rubinus	vermilion flycatcher		SC	Χ			Χ	Χ	Х	Χ	Χ	Х			Χ	Χ			Х		3,577
Setophaga petechia	yellow warbler		SC	Х	Х	X	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	860,305
Strix occidentalis occidentalis	California spotted owl		SC	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ			Х	Х	Χ	102,204
Vireo vicinior	gray vireo		SC	X			Х		Х	Х		Х						Х		Х	2,111
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Χ	Х						X										31
Invertebrates																					
Federal and State Listed/CDFW Fully P		1	1			_			,	_											
Bombus crotchii	Crotch bumble bee ²		С	Х	Х	Х		Χ	Χ	Χ			Х	Χ	Х	X		Х	Χ	Х	431,237
Branchinecta conservatio	conservancy fairy shrimp ²	E		Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х	<u> </u>	Х	Х	Х	277,098
Branchinecta lynchi	vernal pool fairy shrimp ²	T		Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	673,685
Branchinecta sandiegonensis	San Diego fairy shrimp ²	E		Χ			Х	Х	Х	Χ	Х	Х				Х	1		Х		59,959
Euphilotes battoides allyni	El Segundo blue butterfly	E		Χ				Χ	Χ	Χ	Χ	Х	Χ	Χ					Х	Χ	76,434

Table 16b Special-Sta	itus Wildlife Species Known or	with I	Potent	tial to (Occur in th	ne Soutl	hern Calif	ornia Coa	ıst Ecolog	ical Sec	tion (26	1B)									
·	·	List	ting atus									in the Treata	ble Land	dscape							
Scientific Name	Common Name	Federal	State	Annual Grassland	Blue Oak Woodland	Blue Oak-Foothill Pine	Chamise-Redhank Chaparral	Closed-Cone Pine-Cypress	Coætal Oak Woodland	Coastal Scrub	Eucalyptus	Mixed Chaparral	Montane Hardwood	Montane Hardwood-Conifer	Montane Riparian	Perennial Grassland	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Euphydryas editha quino	quino checkerspot butterfly	Е		Х			Х	Х	Х	Χ	Χ	Χ			Х	Х			Х		124,529
Glaucopsyche lygdamus palosverdesensis	s Palos Verdes blue butterfly	Е		Х			Х		Х	Χ		Χ		Χ	Х	Х		Χ	Х	Х	79,388
Lycaena hermes	Hermes copper butterfly	С		Х			Х	Х	Х	Χ	Χ	Χ				Х			Х		45,297
Monadenia infumata setosa	Trinity bristle snail		T	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Х	860,277
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	Е		Χ															Х		32
Speyeria callippe callippe	callippe silverspot butterfly	Е		Х	Х	Х	Х	Х	Х	Х	Х	Х	χ	Х	Х	Х	Х	Х	Х	Х	673,623
Streptocephalus woottoni	Riverside fairy shrimp ²	Е		Х			Х	Х	Х	Х	Х	Х		Х	Х	Х		Х	Х	Х	125,655
Mammals			,		•	*	•	<u> </u>		•									<u> </u>		
Federal and State Listed/CDFW Fully P	rotected																				
Arctocephalus townsendi	Guadalupe fur-seal ²	T	T FP							Х											<1
Bassariscus astutus	ringtail		FP	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х	860,305
Dipodomys stephensi	Stephens' kangaroo rat	E	T	Х			Х	Х	Х	Χ	Χ	Χ	Χ		Χ	Х			Х		115,797
Ovis canadensis nelsoni	desert bighorn sheep		FP	Х					Х	Χ	Χ	Χ	Χ	Χ	Х			Χ	Х		3,934
Perognathus longimembris pacificus	Pacific pocket mouse	E	SC	Х			Х		Х	Х	Χ	Χ		Χ	Χ	Х		Χ	Х	Х	82,125
Sorex ornatus relictus	Buena Vista Lake ornate shrew	Е	SC	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х	673,623
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Х	Х	860,276
CDFW Species of Special Concern																					
Antrozous pallidus	pallid bat		SC	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Χ	860,305
Chaetodipus californicus femoralis	Dulzura pocket mouse		SC	Χ			Х			Х		Х				Х	Х				-
Chaetodipus fallax fallax	northwestern San Diego pocket mouse		SC	Х			Х			Χ	Χ	Χ			Х	Х	Χ		Х		-
Choeronycteris mexicana	Mexican long-tongued bat		SC	Χ			Х	Х	Х	Х	Х	Х				Х			Х		52,779
Corynorhinus townsendii	Townsend's big-eared bat		SC	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	860,305
Euderma maculatum	spotted bat		SC	Х	Χ		Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	352,673
Eumops perotis californicus	western mastiff bat		SC	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Х	Х	860,305
Lasiurus blossevillii	western red bat		SC	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Х	Х	860,305
Lasiurus xanthinus	western yellow bat		SC	Х			Х	Х	Х	Х	Χ	Χ	Χ		Χ	Х			Х		183,721
Lepus californicus bennettii	San Diego black-tailed jackrabbit		SC	Х			Х			Χ		Х				Х	Х		Х		-
Macrotus californicus	California leaf-nosed bat		SC	Х				Х	Х	Χ		Х							Х		7,326
Microtus californicus stephensi	south coast marsh vole ²		SC	Х			Х	Х	Х	Χ	Χ	Х	Х	Χ	Х	Х	Х	Χ	Х	Х	393,388
Nyctinomops femorosaccus	pocketed free-tailed bat		SC	Х			Х	Х	Х	Χ	Х	Х	Χ		Х	Х			Х		179,039
Nyctinomops macrotis	big free-tailed bat		SC	Х					Х	Χ		Х				Х			Х		10,706
Onychomys torridus ramona	southern grasshopper mouse		SC	Χ			Х			Χ		Х				Х			Х		-

Table 16b Special-Status Wildlife Species Known or with Potential to Occur in the Southern California Coast Ecological Section (261B)																					
		Listi Stat	ng									in the Treata	ble Lanc	dscape							
Scientific Name	Common Name	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	Sagebrush	Sierran Mixed Conifer	Valley Foothill Riparian	Valley Oak Woodland	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Perognathus longimembris brevinasus	Los Angeles pocket mouse		SC	Х			Х			Χ		Х				Х	Х				-
Sorex ornatus salicornicus	southern California saltmarsh shrew ²		SC	Х						Х						Х			Х		-
Taxidea taxus	American badger		SC	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	860,305
Reptiles																					
CDFW Species of Special Concern																					
Anniella sp.	California legless lizard		SC	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	860,305
Arizona elegans occidentalis	California glossy snake		SC	Х			Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	X	Х	Χ	Х	387,733
Aspidoscelis tigris stejnegeri	coastal whiptail		SC	Χ	Х		Χ	Х	Χ	Х	Χ	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	490,183
Coleonyx variegatus abbotti	San Diego banded gecko		SC	Х			Χ	X	Х	Х	Χ	Χ				X			Χ		91,511
Crotalus ruber	red-diamond rattlesnake		SC	Х			Χ	X	Х	Х	Χ	Χ	Χ		Χ	X			Χ		179,326
Emys marmorata	western pond turtle ²		SC	Х	Χ	Х	Χ	X	Х	Х	Χ	Χ	Χ	Χ	Χ	X	X	Х	Χ	Х	860,305
Masticophis fuliginosus	Baja California coachwhip		SC	Х				Х	Х	Х		Х				Χ			Х		32,388
Phrynosoma blainvillii	coast horned lizard		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	860,305
Salvadora hexalepis virgultea	coast patch-nosed snake		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	855,892
Thamnophis hammondii	two-striped gartersnake ²		SC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	860,305
Thamnophis sirtalis pop. 1	south coast gartersnake ²		SC	Х	Х		Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	390,451

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.

Table 17a Consist Char	D C : V : : : : : : : : : : :	Detenti			South and California Manuscrip and William Facility of MacCally (MacCally within the Transfeld Landauere
Table 17a Special-Stat	us Plant Species Known or with	1	sting Sta		e Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
Scientific Name	Common Name	Federal		California Rare Plant Rank	Habitat Desription
Federal and State Listed		T			
Acanthomintha ilicifolia	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.
Acanthoscyphus parishii var. goodmaniana	Cushenbury oxytheca	E		1B.1	Pinyon and juniper woodland. On limestone talus and rocky slopes. 4593 to 7808 ft in elevation. Blooms May-October.
Allium munzii	Munz's onion	E	Ţ	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.
Ambrosia pumila	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.
Arctostaphylos glandulosa ssp. crassifolia	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.
Arenaria paludicola	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.
Astragalus albens	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.
Astragalus brauntonii	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.
Astragalus lentiginosus var. coachellae	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.
Astragalus tricarinatus	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.
Atriplex coronata var. notatior	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.
Baccharis vanessae	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.
Berberis nevinii	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.
Brodiaea filifolia	thread-leaved brodiaea	Т	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.
Calochortus dunnii	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.
Castilleja cinerea	ash-gray paintbrush	Т		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.
Castilleja gleasoni	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).
Ceanothus ophiochilus	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.
Chloropyron maritimum ssp. maritimum	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.
Chorizanthe parryi var. fernandina	San Fernando Valley spineflower	С	E	1B.1	Coastal scrub, valley and foothill grassland. Sandy soils. 49 to 3330 ft in elevation. Blooms April-July.
Deinandra mohavensis	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).
Delphinium hesperium ssp. cuyamacae	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.
Dieteria asteroides var. lagunensis	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.
Dodecahema leptoceras	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.
Downingia concolor var. brevior	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.
Eremalche parryi ssp. kernensis	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.
Eremogone ursina	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.
Eriastrum densifolium ssp. sanctorum	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-Stat	us Plant Species Known or with	Dotonti	al to O	ccur in th	e Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
Table 17a Special-Stat	us Plant Species Known or with	_	sting Sta		e Southern Camornia Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
Scientific Name	Common Name	Federal		California Rare Plant Rank	Habitat Desription
Erigeron parishii	Parish's daisy	Т		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.
Eriogonum kennedyi var. austromontanum	southern mountain buckwheat	Т		1B.2	Pebble (pavement) plain, lower montane coniferous forest. Usually found in pebble plain habitats. 5791 to 9908 ft in elevation. Blooms June-September.
Eriogonum ovalifolium var. vineum	Cushenbury buckwheat	Е		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.
Eryngium aristulatum var. parishii	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.
Fremontodendron mexicanum	Mexican flannelbush	Е	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.
Galium angustifolium ssp. borregoense	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).
Limnanthes alba ssp. parishii	Parish's meadowfoam		E	1B.2	Lower montane coniferous forest, meadows and seeps, vernal pools. Vernally moist areas and temporary seeps of highland meadows and plateaus; often bordering lakes and streams. 1985 to 5922 ft in elevation. Blooms April-June.
Navarretia fossalis	spreading navarretia	Т		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.
Nemacladus twisselmannii	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.
Nolina interrata	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.
Orcuttia californica	California Orcutt grass	Е	E	1B.1	Vernal pools, wetland. 33 to 2165 ft in elevation. Blooms April-August.
Packera ganderi	Gander's ragwort		R	1B.2	Chaparral. Recently burned sites and gabbro outcrops. 1591 to 3510 ft in elevation. Blooms April-June.
Physaria kingii ssp. bernardina	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.
Poa atropurpurea	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).
Sidalcea hickmanii ssp. parishii	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.
Sidalcea pedata	bird-foot checkerbloom	E	E	1B.1	Meadows and seeps, pebble plains. Vernally mesic sites in meadows or pebble plains. 6037 to 7562 ft in elevation. Blooms May-August.
Taraxacum californicum	California dandelion	Е		1B.1	Meadows and seeps. Mesic meadows, usually free of taller vegetation. 5315 to 8497 ft in elevation. Blooms May-August.
Thelypodium stenopetalum	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					
Abronia villosa var. aurita	chaparral sand-verbena			1B.1	Chaparral, coastal scrub, desert dunes. Sandy areas. 246 to 5249 ft in elevation. Blooms January-September.
Acanthoscyphus parishii var. abramsii	Abrams' oxytheca			1B.2	Chaparral. Shale or sandy places. 5495 to 6808 ft in elevation. Blooms June-August.
Acanthoscyphus parishii var. cienegensis	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.
Acmispon haydonii	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.
Allium howellii var. clokeyi	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.
Allium marvinii	Yucaipa onion			1B.2	Chaparral. In openings on clay soils. 2789 to 3510 ft in elevation. Blooms April-May.
Almutaster pauciflorus	alkali marsh aster			2B.2	Meadow and seeps. Alkaline. 197 to 2509 ft in elevation. Blooms June-October.
Ambrosia monogyra	singlewhorl burrobrush			2B.2	Chaparral, Sonoran desert scrub. Sandy soils. 16 to 1558 ft in elevation. Blooms August-November.
Arctostaphylos glandulosa ssp. gabrielensis	San Gabriel manzanita			1B.2	Chaparral. Rocky outcrops; can be dominant shrub where it occurs. 3150 to 6611 ft in elevation. Blooms Mar.
Arctostaphylos otayensis	Otay manzanita			1B.2	Chaparral, cismontane woodland. Metavolcanic soils with other chaparral associates. 394 to 5003 ft in elevation. Blooms January-April.
Arctostaphylos rainbowensis	Rainbow manzanita			1B.1	Chaparral. Usually found in gabbro chaparral. 328 to 2854 ft in elevation. Blooms December-March.
Astragalus bernardinus	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.
Astragalus deanei	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-State	us Plant Species Known or with	Dotonti	al ta Oa	cur in th	a Southern California Mauntain and Vallay Ecological Saction (M262P) within the Treatable Landscane
Table 17a Special-Stati	us Plant Species known or with	1	isting Sta		e Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
Scientific Name	Common Name	Federal		California Rare Plant Rank	Habitat Desription
Astragalus didymocarpus var. milesianus	Miles' milk-vetch			1B.2	Coastal scrub. Clay soils. 164 to 1263 ft in elevation. Blooms March-June.
Astragalus douglasii var. perstrictus	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.
Astragalus insularis var. harwoodii	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.
Astragalus lentiginosus var. antonius	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.
Astragalus lentiginosus var. sierrae	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.
Astragalus leucolobus	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.
Astragalus oocarpus	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.
Astragalus pachypus var. jaegeri	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.
Astragalus sabulonum	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.
Atriplex coulteri	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.
Atriplex parishii	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.
Atriplex serenana var. davidsonii	Davidson's saltscale			1B.2	Coastal bluff scrub, coastal scrub. Alkaline soil. 33 to 656 ft in elevation. Blooms April-October.
Ayenia compacta	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.
Bloomeria clevelandii	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.
Boechera dispar	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.
Boechera hirshbergiae	Hirshberg's rockcress			1B.2	Pebble (or pavement) plains. 4593 to 4642 ft in elevation. Blooms March-May.
Boechera johnstonii	Johnston's rockcress			1B.2	Chaparral, lower montane coniferous forest. Often on eroded clay soils. With Adenostoma, Quercus wislizenii. 4478 to 8497 ft in elevation. Blooms February-June.
Boechera lincolnensis	Lincoln rockcress			2B.3	Chenopod scrub, Mojavean desert scrub. On limestone. 2887 to 7907 ft in elevation. Blooms March-May.
Boechera parishii	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.
Boechera shockleyi	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.
Botrychium crenulatum	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.
Brodiaea orcuttii	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.
Brodiaea santarosae	Santa Rosa Basalt brodiaea			1B.2	Valley and foothill grassland. Santa Rosa Basalt. 1919 to 3428 ft in elevation. Blooms May-June.
Bursera microphylla	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.
Calliandra eriophylla	pink fairy-duster			2B.3	Sonoran desert scrub. Sandy or rocky sites in the desert. 394 to 4921 ft in elevation. Blooms January-March.
Calochortus clavatus var. gracilis	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).
Calochortus fimbriatus	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.
Calochortus palmeri var. munzii	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.
Calochortus palmeri var. palmeri	Palmer's mariposa-lily			1B.2	Meadows and seeps, chaparral, lower montane coniferous forest. Vernally moist places in yellow-pine forest, chaparral. 3281 to 7841 ft in elevation. Blooms April-July.
Calochortus striatus	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.
Calochortus weedii var. intermedius	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.
Calyptridium arizonicum	Arizona pussypaws			2B.1	Sonoran Desert scrub. Metamorphics. In washes. 1985 to 2608 ft in elevation. Blooms March-April.
Calyptridium pygmaeum	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-Stat	us Plant Species Known or with	1			e Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
Scientific Name	Common Name	Federal	sting Sta	California Rare Plant Rank	Habitat Desription
Calystegia felix	luda mamina alan			1B.1	Meadows and seeps, riparian scrub. Sometimes alkaline, alluvial. 98 to 705 ft in elevation. Blooms March-September.
, ,	lucky morning-glory				
Carex obispoensis Carex occidentalis	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.
	western sedge			2B.3	Lower montane coniferous forest, meadows and seeps. 5397 to 10285 ft in elevation. Blooms June-August.
Carlowrightia arizonica	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.
Castilleja lasiorhyncha	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 vernally wet areas. 3740 to 7612 ft in elevation. Blooms May-August.
Caulanthus amplexicaulis var. barbarae	Santa Barbara jewelflower			1B.1	Closed-cone coniferous forest, cismontane woodland, chaparral. Serpentine soils. 1378 to 4003 ft in elevation. Blooms May-July.
Caulanthus lemmonii	Lemmon's jewelflower			1B.2	Pinyon and juniper woodland, valley and foothill grassland. 246 to 5200 ft in elevation. Blooms February-May.
Ceanothus cyaneus	Lakeside ceanothus			1B.2	Closed-cone coniferous forest, chaparral. 656 to 3412 ft in elevation. Blooms April-June.
Ceanothus otayensis	Otay Mountain ceanothus			1B.2	Chaparral. Metavolcanic or gabbroic soils. 246 to 3806 ft in elevation. Blooms January-April.
Ceanothus verrucosus	wart-stemmed ceanothus			2B.2	Chaparral. 3 to 1247 ft in elevation. Blooms December-May.
Centromadia parryi ssp. australis	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.
Centromadia pungens ssp. laevis	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.
Chaenactis carphoclinia var. peirsonii	Peirson's pincushion			1B.3	Sonoran desert scrub. Open rocky or sandy sites. 10 to 607 ft in elevation. Blooms March-April.
Chaenactis glabriuscula var. orcuttiana	Orcutt's pincushion			1B.1	Coastal bluff scrub, coastal dunes. Sandy sites. 10 to 262 ft in elevation. Blooms January-August.
Chaenactis parishii	Parish's chaenactis			1B.3	Chaparral. Rocky sites. 4265 to 8202 ft in elevation. Blooms May-July.
Chorizanthe parryi var. parryi	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.
Chorizanthe polygonoides var. longispina	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.
Chorizanthe xanti var. leucotheca	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.
Cladium californicum	California saw-grass			2B.2	Meadows and seeps, marshes and swamps (alkaline or freshwater). Freshwater or alkaline moist habitats66 to 7005 ft in elevation. Blooms June-September.
Clarkia delicata	delicate clarkia			1B.2	Cismontane woodland, chaparral. Often on gabbro soils. 164 to 4462 ft in elevation. Blooms April-June.
Clinopodium chandleri	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.
Comarostaphylis diversifolia ssp. diversifolia	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.
Corethrogyne filaginifolia var. incana	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.
Cryptantha ganderi	Gander's cryptantha			1B.1	Sonoran desert scrub, desert dunes. On dunes and in washes. 509 to 1017 ft in elevation. Blooms February-May.
Cryptantha wigginsii	Wiggins' cryptantha			1B.2	Coastal scrub. Often on clay soils. 148 to 361 ft in elevation. Blooms February-June.
Cylindropuntia californica var. californica	snake cholla			1B.1	Chaparral, coastal scrub. 49 to 951 ft in elevation. Blooms April-May.
Cylindropuntia fosbergii	pink teddy-bear cholla			1B.3	Sonoran desert scrub. 279 to 2789 ft in elevation. Blooms March-May.
Deinandra floribunda	Tecate tarplant			1B.2	Chaparral, coastal scrub. Often in little drainages or disturbed areas. 230 to 4003 ft in elevation. Blooms August-October.
Delphinium umbraculorum	umbrella larkspur			1B.3	Cismontane woodland. Mesic sites. 1312 to 5249 ft in elevation. Blooms April-June.
Dieteria canescens var. ziegleri	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.
Digitaria californica var. californica	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.
Draba saxosa	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.
Drymocallis cuneifolia var. cuneifolia	wedgeleaf woodbeauty			1B.1	Upper montane coniferous forest, riparian scrub. Sometimes on carbonate. 4987 to 7283 ft in elevation. Blooms June-August.
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Scientific Name Common Name Feebral Size See Park Hote Each Common Name Feebral See Park Hote Ea	Table 17a Special-Stat	us Plant Species Known or with	1		e Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
Defect of the control of the contr	Scientific Name	Common Name		California Rare Plant	Habitat Desription
Defect of the control of the contr					
Dubley or services Som Cases New Audies Som	•			2B.3	Upper montane coniferous forest. In granite crevices. 148 to 3281 ft in elevation. Blooms July-September.
Delay and visible support of the process and an electroproad garden or off its and corpore will \$180 in contained allows to proceed a set of the process of		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.
Dudge areignate segreted dislays a segreted dislays a segreted dislay as	Dudleya cymosa ssp. crebrifolia	San Gabriel River dudleya		1B.2	Chaparral. On granite cliffs and outcrops, surrounded by scrub. 902 to 1499 ft in elevation. Blooms April-July.
Delign seisops Delign seisops	Dudleya densiflora	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.
Deligne recicled Society dutiligne Society dutil	Dudleya multicaulis	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.
Seront Personal Service Personal Service	Dudleya variegata	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.
Section Newcodin Section Newcodin Section Newcodin Section Section Newcodin wcodin Section New	Dudleya viscida	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.
Exernite investe ser microsophia	Eremothera boothii ssp. boothii	Booth's evening-primrose		2B.3	Joshua tree woodland, pinyon and juniper woodland. 951 to 7907 ft in elevation. Blooms April-September.
Exameria patrient van galternia patrient van galternia patrient van galternia patrient van galternia van deutscheert senting wild buschwest van deutscheert va	Eriastrum harwoodii	Harwood's eriastrum		1B.2	Desert dunes. 246 to 2362 ft in elevation. Blooms March-June.
Engineum earndum single wild buckwheat 18.1 Chapteral, cirrocrature socidand, lower mortane conferous forest, priyon and juripper woodfand. Sandy sizes 3.199 to 7340 filin elevation. Blooms July-Catabers. Engineum microthecum prices of the second control of the control of th	Ericameria cuneata var. macrocephala	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.
Fognerum microthecum vari johnstoris. Eythranthe leagua Sin Bernaden Mountains mankeyflower Eythranthe purpure Ittle purple monkeyflower Ittle purple m	Ericameria palmeri var. palmeri	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.
San Berradino Mountains monkeyflower flythmarthe purpures little purple mankeyflower little purple little purple little purple little purple little purple little purple little purple little purple little purple	Eriogonum evanidum	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.
Eythranthe purpurea Bit E purple monkeyflower Bit Supported a Stranger Bit Supported Bit Suppor	Eriogonum microthecum var. johnstonii	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.
Euphrobia abramsiana Abrams' spurge 222 Mojavean desert scrub, Sonoran desert scrub, Sandy sites - 148 to 4741 ft in elevation. Blooms (August), September-November. Euphrobia abramsian Abrams apurge 223 Sonoran desert scrub, Sandy sites - 148 to 4741 ft in elevation. Blooms (August), September. Promistifyis firmerials not springs firmityis 222 Meadows and seep from, New Prot or springs, 777 to 2000 ft in elevation. Blooms (August), September. Prainture provided in the provided of the springs o	Erythranthe exigua	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.
Euphrobia abramsiana Abrams' spurge 222 Mojavean desert scrub, Sonoran desert scrub, Sandy sites - 148 to 4741 ft in elevation. Blooms (August), September-November. Euphrobia abramsian Abrams apurge 223 Sonoran desert scrub, Sandy sites - 148 to 4741 ft in elevation. Blooms (August), September. Promistifyis firmerials not springs firmityis 222 Meadows and seep from, New Prot or springs, 777 to 2000 ft in elevation. Blooms (August), September. Prainture provided in the provided of the springs o	Erythranthe purpurea	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.
Finbristylis thermalis hot springs fimbristylis 28.2 Meadows and seeps (alkaline). Near hot springs, 377 to 5200 ft in elevation. Blooms July-September. Finalizar aparty chaparal ash 28.2 Open mixed chaparal and in the chaparal-sage scrub interface in California. 699 to 2034 ft in elevation. Blooms March-May. Finalizar aparty chaparal ash 28.2 Open mixed chaparal and in the chaparal-sage scrub interface in California. 699 to 2034 ft in elevation. Blooms March-May. Finalizar aparty chaparal show wayled this wife wayled this way applied this way and purples woodland, chaparal Jower montane conferous forest, or fire elevation. Blooms May-Julyust. Gallium angustfolium sap, pinnum Alvin Meadow bedstraw 18.3 Lover montane conferous forest. Grows in shade of trees and shrubs at the lower edge of the pine belt, in pine forest-chaparal ecotone. Granitic, sandy soils. 4429 to 5577 ft in elevation. Blooms May-July. Geothalius tuberosus Campbel's liverwoot 18.1 Costal scrub, vernal pools. Liverwoot known from mesic soil. 33 to 1969 ft in elevation. Blooms June-August. Gilla leptantha spi. leptantha Spi. le	Euphorbia abramsiana	Abrams' spurge		2B.2	Mojavean desert scrub, Sonoran desert scrub. Sandy sites148 to 4741 ft in elevation. Blooms (August), September-November.
Fazinus parryi chaparral ash 28.2 Open mixed chaparral and in the chaparral sage scrub interface in California. 699 to 2034 ft in elevation. Blooms March-May. Finitian agiensis Opin finitilary wavyleaf twinvine 18.2 Pinyon and juniper woodland, chaparral, Jower montane coniferous forest, donnotane woodland. Usually loamy soil. Sometimes on serpentine; sometimes along roadsides. 738 to 3281 ft in elevation. Blooms February-May. Finastrum crispum wavyleaf twinvine 28.2 Pinyon and juniper woodland, chaparral, 3986 to 6698 ft in elevation. Blooms May-August. Galium agustifolium ssp. jaintium Meadow bedstraw 18.2 Chaparral elevation. Blooms June-August. Galium grande San Gabriel bedstraw 18.2 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. Geothallus tuberosus Campbell's livewort 18.1 Coasta stroub, evenal pools, Livewort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Geraea viscida 51.2 Sanda stroub, evenal pools, Livewort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Geraea viscida 51.2 Sanda stroub, evenal pools, Livewort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Geraea viscida 51.2 Sanda stroub, evenal pools, Livewort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Geraea viscida 51.2 Sanda stroub, evenal pools, Livewort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Geraea viscida 51.2 Sanda stroub, evenal pools, Livewort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Geraea viscida 51.2 Sanda stroub, evenal pools, Livewort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Geraea viscida 51.2 Sanda stroub, evenal pools, Livewort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Geraea viscida 52.2 Chaparral to a stroub, evenal pools, Livewort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Geraea viscida 52.2 Chaparral to a stroub, evenal s	Euphorbia arizonica	Arizona spurge		2B.3	Sonoran desert scrub. Sandy soils. 492 to 2953 ft in elevation. Blooms March-April.
Fittillaria ojalensis Ojai fritillary Avoyleaf twinvine Boadleawed 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, Finantsm crispum wavyleaf twinvine Bala Deprive and Juniper woodland, chaparral, 1986 to 6069 ft in elevation. Blooms May-August. San Jacinto Mountains bedstraw Bala Lower montane coniferous forest. Open mixed forest, 3904 to 8005 ft in elevation. Blooms June-August. Galium agrindricum sap, primum Ahrin Meadow bedstraw Bala Chaparral, lower montane coniferous forest. Open mixed forest, as 904 to 8005 ft in elevation. Blooms June-August. Galium grande San Gabriel bedstraw Bala Chaparral, lower montane coniferous forest, Open mixed forest, as 904 to 8005 ft in elevation. Blooms June-August. Genthalius tuberosus Gampbell's livewort Bala Constallar, but were pools by undercollected due to inaccessible hab. 1394 to 4921 ft in elevation. Blooms January-July. Genthalius tuberosus Garage as 5100 years and sticky gereae Bala San Bernardino gilia Bala Chaparral, bover 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-Luly. Garage visicida San Bernardino gilia Bala Chaparral, bover montane coniferous forest, Sandy or gravelly sinds s492 to 6399 ft in elevation. Blooms (April), May-June. Gilia mexicane Bala Das gilia Bala Chaparral, bover montane coniferous forest, Sandy or gravelly sinds, 4921 to 6399 ft in elevation. Blooms August. Grindella hallii San Diego gumplant Bala Chaparral, bover montane coniferous forest, Sandy or gravelly sinds, 4921 to 6399 ft in elevation. Blooms May. Marshes and swamps, riparian woodland, Illuvial soil in washes, on bajadas, hillistles, arroyos, and plains. 3445 to 4839 ft in elevation. Blooms May. Bala Chaparral, brown montane coniferous forest, Frequentity occurs in low moist area	Fimbristylis thermalis	hot springs fimbristylis		2B.2	Meadows and seeps (alkaline). Near hot springs. 377 to 5200 ft in elevation. Blooms July-September.
Funstrum crispum wav/leaf twinwine 28.2 Pinyon and juniper woodland, chaparral. 3986 to 6069 ft in elevation. Blooms May-August. Galium angustifolium ssp. jaicniticum San Jacinto Mountains bedstraw 18.3 Lower montane coniferous forest. Open mixed forest. 3994 to 8005 ft in elevation. Blooms May-August. Galium grande San Gabriel bedstraw 18.2 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. Gentalus tuberosus Campbell's liverwort 18.1 Coastal scrub, vernal pools. Liverwort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Gerea viscida sticky genea 22.2 Chaparral. Loany coarse sand to gravelly sand soils, often in post burned areas and in buildozed areas, 1476 to 5577 ft in elevation. Blooms (April), May-June. Gillia leptantha ssp. leptantha San Bernardino gillia 18.3 Lower montane coniferous forest. Sandy or gravelly sites, 4921 to 8399 ft in elevation. Blooms June-August. Gillia mexicana El Paso gilia 28.3 Pinyon and juniper woodland. Alluvial soil in washes, on bajadas, Illisides, arroys, and plains. 3445 to 4839 ft in elevation. Blooms May. Grindella hallii San Diego gumplant 18.2 Meadows, valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows, associated species commonly include Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms May-Cotober. Helianthus nututalli issp. parishii Los Angeles sunflower 11.4 Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Herisantia crispa 19.4 Cury herissantia 28.3 Sonoran desert scrub. 2297 to 2379 ft in elevation. Blooms (April), August-September. Hesperooyparis forbesii 79.0 Fermania on order of the paral. On day or gabbro. 197 to 5397 ft in elevation. Blooms.	Fraxinus parryi	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.
Galium angustifolium ssp. picinticum San Jacinto Mountains bedstraw 18.3 Lower montane coniferous forest. Open mixed forest. 3904 to 8005 ft in elevation. Blooms June-August. Galium grande San Gabriel bedstraw 18.2 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. Geothallus tuberosus Campbell's liverwort 18.1 Coastal scrub, vernal pools, Liverwort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Gerea viscida 5tidy geraea 28.2 Chaparral, Lorany 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. Gilia eptantha ssp. leptantha ssp. leptantha 5an Bernardino gilia 18.3 Lower montane coniferous forest. Sandy or gravelly sland soil; often in post burned areas and in bulldozed areas. 1476 to 5577 ft in elevation. Blooms (April), May-June. Gilia eptantha ssp. leptantha ssp. leptantha 5an Diego gumplant 28.3 Pinyon and juniper woodland. Alluvial soil in washes, on bajadas, hillsides, arroyos, and plains. 3445 to 4839 ft in elevation. Blooms May. Grindelia hallii 5an Diego gumplant 18.2 Meadows, valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows; associated species commonly include Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms May-October. Helianthus nuttali ssp. parishii 10.5 Angeles sunflower 11.5 Marshes and swamps, riparian woodland. 1001 to 101 ft in elevation. Blooms August-October. Helianthus nuttali ssp. parishii 10.5 Angeles sunflower 11.5 Angeles sunflower 11.6 Angeles sunflower 11.6 Cosed-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.	Fritillaria ojaiensis	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.
Galium angustifolium ssp. picinticum San Jacinto Mountains bedstraw 18.3 Lower montane coniferous forest. Open mixed forest. 3904 to 8005 ft in elevation. Blooms June-August. Galium grande San Gabriel bedstraw 18.2 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. Geothallus tuberosus Campbell's liverwort 18.1 Coastal scrub, vernal pools, Liverwort known from mesic soil. 33 to 1969 ft in elevation. Blooms. Gerea viscida 5tidy geraea 28.2 Chaparral, Lorany 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. Gilia eptantha ssp. leptantha ssp. leptantha 5an Bernardino gilia 18.3 Lower montane coniferous forest. Sandy or gravelly sland soil; often in post burned areas and in bulldozed areas. 1476 to 5577 ft in elevation. Blooms (April), May-June. Gilia eptantha ssp. leptantha ssp. leptantha 5an Diego gumplant 28.3 Pinyon and juniper woodland. Alluvial soil in washes, on bajadas, hillsides, arroyos, and plains. 3445 to 4839 ft in elevation. Blooms May. Grindelia hallii 5an Diego gumplant 18.2 Meadows, valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows; associated species commonly include Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms May-October. Helianthus nuttali ssp. parishii 10.5 Angeles sunflower 11.5 Marshes and swamps, riparian woodland. 1001 to 101 ft in elevation. Blooms August-October. Helianthus nuttali ssp. parishii 10.5 Angeles sunflower 11.5 Angeles sunflower 11.6 Angeles sunflower 11.6 Cosed-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.	·	wavyleaf twinvine		2B.2	
Galium californicum ssp. primum 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. Geothallus tuberosus Campbell's liverwort 1 1B.1 Coastal scrub, vernal pools. Liverwort known from mesic soil. 33 to 1969 ft in elevation. Blooms . Geraea viscida sticky geraea 2 2B.2 Chaparral. Loarny coarse sand to gravelly sand soils, often in post burned areas and in buildozed areas. 1476 to 5577 ft in elevation. Blooms (April), May-June. Gilia leptantha ssp. leptantha San Bernardino gilia 1 1B.3 Lower montane coniferous forest. Sandy or gravelly sites. 4921 to 8399 ft in elevation. Blooms June-August. Grindelia hallii San Diego gumplant 1 1B.2 Marshes and swamps, riparian woodland. 1001 to 1001 ft in elevation. Blooms August-October. Helianthus nuttallii ssp. parishii Los Angeles sunflower 1 1A Marshes and swamps (coastal sit and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Herissantia crispa curly herissantia 2 28.3 Sonoran desert scrub. 2297 to 2379 ft in elevation. Blooms (April), August-September. Hesperocyparis forbesii Tecate cypress 1 1B.1 Closed-cone coniferous forest, Grows in shade of trees and shrubs at the lower edge of the pine belt, in pine forest-chaparral and low, open oak forest, on rocky slopes; probably undercollected due to inaccessible hab. 1394 to 4921 ft in elevation. Blooms . Cismotane woodland, chaparral, brower 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 . Cismotane woodland, chaparral, brower montane coniferous forest. Sends oils, often in post burned areas and in buildozed areas. 1476 to 5577 ft in elevation. Blooms May. Meandows, valley and foothill grassland, chaparral, brower montane coniferous forest. Frequently occurs in low moist areas in meadows	Galium angustifolium ssp. jacinticum	San Jacinto Mountains bedstraw		1B.3	Lower montane coniferous forest. Open mixed forest. 3904 to 8005 ft in elevation. Blooms June-August.
Galium grande San Gabriel bedstraw Bompell's liverwort Gerea viscida sticky gerea San Bernardino gilia Bryon and juniper woodland, chaparral, broadleafed 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 . Gerea viscida sticky gerea San Bernardino gilia Bryon and juniper woodland. Alluvial soil in washes, on bajadas, hillsides, arroyos, and plains. 3445 to 4839 ft in elevation. Blooms May. Gilia eleptantha ssp. leptantha San Bernardino gilia Bryon and juniper woodland. Alluvial soil in washes, on bajadas, hillsides, arroyos, and plains. 3445 to 4839 ft in elevation. Blooms May. Grindelia hallii San Diego gumplant Ba Beadows, valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows; associated species commonly include Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms January-July. Chaparral, Loamy coarse sand to gravelly sites. 4921 to 8399 ft in elevation. Blooms June-August. Prinyon and juniper woodland. Alluvial soil in washes, on bajadas, hillsides, arroyos, and plains. 3445 to 4839 ft in elevation. Blooms May. Meadows, valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows; associated species commonly include Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms May-October. Helianthus nuttallii ssp. parishii Los Angeles sunflower 18.1 Marshes and swamps, riparian woodland. 1001 to 1001 ft in elevation. Blooms August-October. Herissantia crispa curly herissantia Sonoran desert scrub. 2297 to 2379 ft in elevation. Blooms (April), August-September. Hesperocyparis forbesii Tecate cypress 18.1 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.				1B.2	
Geraea viscida 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. Gilia leptantha ssp. leptantha San Bernardino gilia 1B.3 Lower montane coniferous forest. Sandy or gravelly sites. 4921 to 8399 ft in elevation. Blooms June-August. Gilia mexicana 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. Grindelia hallii 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 Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms May-October. Helianthus niexpectatus Newhall sunflower 1B.1 Marshes and swamps, riparian woodland. 1001 to 1001 ft in elevation. Blooms August-October. Helianthus nuttallii ssp. parishii Los Angeles sunflower 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Herissantia crispa curly herissantia 2B.3 Sonoran desert scrub. 2297 to 2379 ft in elevation. Blooms (April), August-September. Hesperocyparis forbesii 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.	Galium grande	San Gabriel bedstraw		1B.2	
Gilia leptantha ssp. leptantha San Bernardino gilia 18.3 Lower montane coniferous forest. Sandy or gravelly sites. 4921 to 8399 ft in elevation. Blooms June-August. Gila mexicana El Paso gilia San Diego gumplant San Diego gumplant Ban Meadows, valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows; associated species commonly include Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms May-October. Blooms May-October. Ban Diego gumplant Ban Diego gu	Geothallus tuberosus	Campbell's liverwort		1B.1	Coastal scrub, vernal pools. Liverwort known from mesic soil. 33 to 1969 ft in elevation. Blooms.
Gilia leptantha sp. leptantha Gan Bernardino gilia 18.3 Lower montane coniferous forest. Sandy or gravelly sites. 4921 to 8399 ft in elevation. Blooms June-August. Gilia mexicana El Paso gilia El Paso gilia Ban Diego gumplant Ban Meadows, valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows; associated species commonly include Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms May-October. Ban Diego gumplant Geraea viscida	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.	
Grindelia hallii San Diego gumplant 18.2 Meadows, valley and foothill grassland, chaparral, lower montane coniferous forest. Frequently occurs in low moist areas in meadows; associated species commonly include Wyethia, Ranunculus, Sidalcea. 607 to 5725 ft in elevation. Blooms May-October. Helianthus inexpectatus Newhall sunflower 18.1 Marshes and swamps, riparian woodland. 1001 to 1001 ft in elevation. Blooms August-October. Helianthus nuttallii ssp. parishii Los Angeles sunflower 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Herissantia crispa curly herissantia 28.3 Sonoran desert scrub. 2297 to 2379 ft in elevation. Blooms (April), August-September. Hesperocyparis forbesii Tecate cypress 18.1 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.	Gilia leptantha ssp. leptantha			1B.3	Lower montane coniferous forest. Sandy or gravelly sites. 4921 to 8399 ft in elevation. Blooms June-August.
Helianthus inexpectatus Newhall sunflower Helianthus nuttallii ssp. parishii Los Angeles sunflower Herissantia crispa Hersperocyparis forbesii Tecate cypress IB.1 Blooms May-October. Blooms May-October. Blooms May-October. Blooms May-October. Blooms May-October. A Marshes and swamps, riparian woodland. 1001 to 1001 ft in elevation. Blooms August-October. Los Angeles sunflower 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Blooms May-October. 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Blooms May-October. 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Blooms May-October. 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Blooms May-October. 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Blooms May-October. 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Blooms May-October. 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 .	Gilia mexicana	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.
Helianthus nuttallii ssp. parishii Los Angeles sunflower 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Herissantia crispa curly herissantia 2B.3 Sonoran desert scrub. 2297 to 2379 ft in elevation. Blooms (April), August-September. Hesperocyparis forbesii 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 .	Grindelia hallii	San Diego gumplant		1B.2	
Helianthus nuttallii ssp. parishii Los Angeles sunflower 1A Marshes and swamps (coastal salt and freshwater). 33 to 5495 ft in elevation. Blooms August-October. Herissantia crispa curly herissantia crispa 2B.3 Sonoran desert scrub. 2297 to 2379 ft in elevation. Blooms (April), August-September. Hesperocyparis forbesii 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 .	Helianthus inexpectatus	Newhall sunflower		1B.1	Marshes and swamps, riparian woodland. 1001 to 1001 ft in elevation. Blooms August-October.
Herissantia crispa curly herissantia 2B.3 Sonoran desert scrub. 2297 to 2379 ft in elevation. Blooms (April), August-September. Hesperocyparis forbesii 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 .	· · · · · · · · · · · · · · · · · · ·	Los Angeles sunflower			
Hesperocyparis forbesii 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 .		· ·		2B.3	
	<u> </u>	•		1B.1	
	Hesperocyparis stephensonii	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-Sta	atus Plant Species Known or with	Potentia	al to Oc	cur in th	e Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
·			sting Sta		
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Heuchera brevistaminea	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).
Heuchera hirsutissima	shaggy-haired alumroot				Subalpine coniferous forest, upper montane coniferous forest. Often near large rocks. 4987 to 11483 ft in elevation. Blooms (May), June-July.
Heuchera parishii	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.
Horkelia cuneata var. puberula	mesa horkelia			1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 49 to 5397 ft in elevation. Blooms February-July (September).
Horkelia truncata	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.
Horkelia wilderae	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.
Hulsea californica	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.
Hulsea mexicana	Mexican hulsea			2B.3	Chaparral. Volcanic soils or burns and disturbed sites. 3593 to 4265 ft in elevation. Blooms April-June.
Imperata brevifolia	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.
Ipomopsis tenuifolia	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.
Isocoma menziesii var. decumbens	decumbent goldenbush			1B.2	Coastal scrub, chaparral. Sandy soils; often in disturbed sites. 3 to 3002 ft in elevation. Blooms April-November.
Iva hayesiana	San Diego marsh-elder				Alkali playa, wetland. Marshes and swamps, playas. Riverwashes. 3 to 1411 ft in elevation. Blooms April-October.
lvesia argyrocoma var. argyrocoma	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.
Jaffueliobryum raui	Rau's jaffueliobryum 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.
Juncus luciensis	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.
Juncus nodosus	knotted rush			2B.3	Meadows, marshes and swamps. Mesic sites and lake margins. 98 to 6496 ft in elevation. Blooms July-September.
Lasthenia glabrata ssp. coulteri	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.
Layia heterotricha	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.
Lepechinia cardiophylla	heart-leaved pitcher sage			1B.2	Closed-cone coniferous forest, chaparral, cismontane woodland. 1706 to 4495 ft in elevation. Blooms April-July.
Lepechinia ganderi	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.
Lepidium flavum var. felipense	Blair Valley pepper-grass				Sonoran desert scrub, pinyon and juniper woodland. Sandy, clay, or silty soils. 1099 to 2756 ft in elevation. Blooms March-May.
Leptosiphon floribundus ssp. hallii	Santa Rosa Mountains leptosiphon				Sonoran desert scrub, pinyon and juniper woodland. Desert canyons. 3281 to 6562 ft in elevation. Blooms May-July (November).
Lessingia glandulifera var. tomentosa	Warner Springs lessingia				Chaparral. Along roadsides, sandy soil, in high desert chaparral. 2854 to 4003 ft in elevation. Blooms August-October.
Lewisia brachycalyx	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).
Lilium parryi	lemon lily			1R 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.
Linanthus bellus	desert beauty				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.
Linanthus bernardinus	Pioneertown linanthus			1B.2	Joshua tree woodland, pinyon-juniper woodland. 3904 to 4396 ft in elevation. Blooms March-May.
Linanthus concinnus	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.
Linanthus jaegeri	San Jacinto linanthus				Subalpine coniferous forest, upper montane coniferous forest. Dry rocky granitic outcrops; sheer, vertical habitat. 7201 to 10007 ft in elevation. Blooms July-September.
Linanthus killipii	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.
Linanthus maculatus ssp. maculatus	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.
Linanthus orcuttii	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.
Lupinus albifrons var. medius	Mountain Springs bush lupine				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.
Lupinus peirsonii	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.
Labinas bensonii	I clisoris iupine			נ.טו	posticulare recombina, prinyon and jumper moduland, lower montaine connectous roless, apper montaine connectous roless. Decomposed granitie sinde and taids, on stopes and mages. 4000 to in feed attorns about 18 April 2011.

Table 17a Special-Stat	us Plant Species Known or with	Potenti	al to Or	cur in th	e Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
Table ITa Special State	as Francispecies known or with		isting Sta		- Southern Camornia mountain and valley Ecological Section (MESES) Maint the Treatable Editascape
Scientific Name	Common Name	Federal		California Rare Plant Rank	Habitat Desription
Lycium parishii	Parish's desert-thorn			2B.3	Coastal scrub, Sonoran desert scrub. 443 to 3281 ft in elevation. Blooms March-April.
Malacothamnus davidsonii	Davidson's bush-mallow			1B.2	Coastal scrub, riparian woodland, chaparral, cismontane woodland. Sandy washes. 492 to 5003 ft in elevation. Blooms June-January.
Malacothamnus parishii	Parish's bush-mallow			1A	Chaparral, coastal sage scrub. In a wash. 1001 to 1493 ft in elevation. Blooms June-July.
Malperia tenuis	brown turbans			2B.3	Sonoran desert scrub. Sandy places and rocky slopes. 0 to 1804 ft in elevation. Blooms (February), March-April.
Marina orcuttii var. orcuttii	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.
Matelea parvifolia	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).
Meesia uliginosa	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.
Mentzelia hirsutissima	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.
Mentzelia tricuspis	spiny-hair blazing star			2B.1	Mojavean desert scrub. Sandy or gravelly slopes and washes. 492 to 4199 ft in elevation. Blooms March-May.
Mielichhoferia shevockii	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 Mielichhoferia elongata. 2461 to 4593 ft in elevation. Blooms.
Monardella australis ssp. jokerstii	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.
Monardella hypoleuca ssp. hypoleuca	white-veined monardella			1B.3	Chaparral, cismontane woodland. Dry slopes. 164 to 5003 ft in elevation. Blooms (April), May-August (September), (October), (November), (December).
Monardella hypoleuca ssp. intermedia	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.
Monardella hypoleuca ssp. lanata	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.
Monardella linoides ssp. oblonga	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.
Monardella macrantha ssp. hallii	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.
Monardella nana ssp. leptosiphon	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.
Monardella robisonii	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).
Monardella sinuata ssp. sinuata	southern curly-leaved monardella			1B.2	Coastal dunes, coastal scrub, chaparral, cismontane woodlands. Sandy soils. 0 to 984 ft in elevation. Blooms April-September.
Monardella stoneana	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.
Muhlenbergia appressa	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.
Nama stenocarpa	mud nama			2B.2	Marshes and swamps. Lake shores, river banks, intermittently wet areas. 16 to 1640 ft in elevation. Blooms January-July.
Navarretia ojaiensis	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.
Navarretia peninsularis	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.
Navarretia prostrata	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.
Navarretia setiloba	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.
Nemacaulis denudata var. gracilis	slender cottonheads			2B.2	Coastal dunes, desert dunes, Sonoran desert scrub. In dunes or sand164 to 1312 ft in elevation. Blooms (March), April-May.
Nemacladus secundiflorus var. robbinsii	Robbins' nemacladus			1B.2	Chaparral, valley and foothill grassland. Dry, sandy or gravelly slopes. 1148 to 5577 ft in elevation. Blooms April-June.
Nolina cismontana	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.
Opuntia basilaris var. brachyclada	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).
Orobanche valida ssp. valida	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.
Packera bernardina	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.
Penstemon californicus	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).
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Table 17a Special-Stat	us Plant Species Known or with	Potentia	al to Oc	cur in the	e Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
		Li	sting Sta	tus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Penstemon pseudospectabilis ssp. pseudospectabilis	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.
Perideridia parishii ssp. parishii	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.
Petalonyx linearis	narrow-leaf sandpaper-plant			2B.3	Mojavean desert scrub, Sonoran desert scrub. Sandy or rocky canyons82 to 3658 ft in elevation. Blooms (January), (February), March-May (June), (July), (August), (September), (October), (November), (December).
Phaseolus filiformis	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.
Phlox dolichantha	Big Bear Valley phlox			1B.2	Pebble plains, upper montane coniferous forest. Sloping hillsides, in shade under pines and Quercus kelloggii, with heavy pine litter; also in openings. 6496 to 9203 ft in elevation. Blooms May-July.
Pholistoma auritum var. arizonicum	Arizona pholistoma			2B.3	Mojavean desert scrub. 902 to 2740 ft in elevation. Blooms March.
Poliomintha incana	frosted mint			2A	Lower montane coniferous forest. In boggy soil. 5249 to 5577 ft in elevation. Blooms June-July.
Potentilla rimicola	cliff cinquefoil			2B.3	Subalpine coniferous forest, upper montane coniferous forest. Granite crevices; rocky sites. 7890 to 10007 ft in elevation. Blooms July-September.
Pseudognaphalium leucocephalum	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).
Pseudorontium cyathiferum	Deep Canyon snapdragon			2B.3	Sonoran desert scrub. Rocky sites. 0 to 2625 ft in elevation. Blooms February-April.
Pyrrocoma uniflora var. gossypina	Bear Valley pyrrocoma			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.
Quercus cedrosensis	Cedros Island oak			2B.2	Closed-cone coniferous forest, chaparral, coastal scrub. 427 to 3199 ft in elevation. Blooms April-May.
Quercus dumosa	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).
Rhus aromatica var. simplicifolia	single-leaved skunkbrush			2B.3	Pinyon and juniper woodland. Usually granitic. 2395 to 4364 ft in elevation. Blooms March-April.
Ribes canthariforme	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.
Ribes divaricatum var. parishii	Parish's gooseberry				Riparian woodland. Salix swales in riparian habitats. 213 to 984 ft in elevation. Blooms February-April.
Saltugilia latimeri	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.
Salvia munzii	Munz's sage			2B.2	Coastal scrub, chaparral. Rolling hills and slopes, in rocky soil. 115 to 1886 ft in elevation. Blooms February-April.
Schoenus nigricans	black bog-rush			2B.2	Marshes and swamps. Often in alkaline marshes. 492 to 6562 ft in elevation. Blooms August-September.
Scutellaria bolanderi ssp. austromontana	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.
Selaginella eremophila	desert spike-moss				Sonoran desert scrub, chaparral. Shaded sites, gravelly soils; crevices or among rocks. 656 to 2953 ft in elevation. Blooms (May), June (July).
Senecio aphanactis	chaparral ragwort				Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. 66 to 2805 ft in elevation. Blooms January-April (May).
Senna covesii	Cove's cassia			2B.2	Sonoran desert scrub. Dry, sandy desert washes, slopes. 837 to 4249 ft in elevation. Blooms March-June (August).
Sibaropsis hammittii	Hammitt's clay-cress			1B.2	Valley and foothill grassland, chaparral. Mesic microsites in open areas on clay soils in Stipa grassland. Often surrounded by Adenostoma chaparral. 2362 to 3494 ft in elevation. Blooms March-April.
Sidalcea malviflora ssp. dolosa	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.
Sidalcea neomexicana	salt spring checkerbloom				Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub. Alkali springs and marshes. 0 to 5020 ft in elevation. Blooms March-June.
Sidotheca emarginata	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).
Spermolepis infernensis	Hellhole scaleseed			1B.2	Sonoran desert scrub. Rocky or sandy. 755 to 2198 ft in elevation. Blooms March-April.
Spermolepis lateriflora	western bristly scaleseed				Sonoran desert scrub. Rocky or sandy. 1198 to 2198 ft in elevation. Blooms March-April.
Sphaerocarpos drewei	bottle liverwort			1B.1	Chaparral, coastal scrub. Liverwort in openings; on soil. 295 to 1969 ft in elevation. Blooms .
Sphenopholis obtusata	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.
Stemodia durantifolia	purple stemodia				Sonoran desert scrub. Sandy soils; mesic sites. 115 to 1263 ft in elevation. Blooms January-December.
Streptanthus campestris	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.
<u> </u>	Mason's neststraw				Chaparra, lower montaire confidences to less, pinyon-jumper woodland. Open, rocky areas. 2955 to 7546 ft in elevation. Blooms March-May. Chenopod scrub, pinyon and juniper woodland in desert and sandy washes. 328 to 3937 ft in elevation. Blooms March-May.
Stylocline masonii	IAIGOOLL 2 LIGSTORIAM			וט, ו	Cheriopou scruu, pinyon anu juniper woodanu in desert and sandy washes. 320 to 3337 it in elevation, biodins inlandining.

Table 17a Special-St	atus Plant Species Known or wi				e Southern California Mountain and Valley Ecological Section (M262B) within the Treatable Landscape
		Li	sting Sta	atus	
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Symphyotrichum defoliatum	San Bernardino aster			1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 7 to 6693 in elevation. Blooms July-November.
Symphyotrichum greatae	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.
Tetracoccus dioicus	Parry's tetracoccus			1B.2	Chaparral, coastal scrub. Stony, decomposed gabbro soil. 541 to 3281 ft in elevation. Blooms April-May.
Thelypteris puberula var. sonorensis	Sonoran maiden fern			2B.2	Meadows and seeps. Along streams, seepage areas. 164 to 2001 ft in elevation. Blooms January-September.
Thermopsis californica var. semota	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.
Thysanocarpus rigidus	rigid fringepod			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.
Tortula californica	California screw moss			1B.2	Chenopod scrub, valley and foothill grassland. Moss growing on sandy soil. 33 to 4790 ft in elevation. Blooms .
Trichocoronis wrightii var. wrightii	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.
Trichostema austromontanum ssp. compactum	Hidden Lake bluecurls			1B.1	Upper montane coniferous forest. Seasonally submerged lake margins, decomposed granite. 7874 to 8809 ft in elevation. Blooms July-September.
Viola pinetorum ssp. grisea	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.
Wislizenia refracta ssp. palmeri	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.
Xylorhiza cognata	Mecca-aster			1B.2	Sonoran desert scrub. Steep canyon slopes, in sandstone and clay. 66 to 1001 ft in elevation. Blooms January-June.
Xylorhiza orcuttii	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 California Rare Plant Rank

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

T = Threatened 1B = Plants rare, threatened, or endangered in California and elsewhere C = Candidate 2B = Plants rare or endangered in California, but more common elsewhere

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

Table 17b Special-Sta	tus Wildlife Species Known or	r with	n Pote	ntial t	o Occi	ur in 1	he Sc	uthe	rn Cali	forni	а Моц	ıntain	s and '	Valle	vs Ec	ologi	cal Se	ection	n (M2	62B)															
		Lis	ting atus													Ť					.andsca	pe													
Scientific Name	Common Name	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	Acr Ass CWH wit	Total reage of sociated 'HR Types ithin the reatable ndscape ¹
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Federal and State Listed/CDFW Fully P	rotected																																		
Anaxyrus californicus	arroyo toad	E	SC	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Х Х	. 7	778,859
Batrachoseps major aridus	desert slender salamander	E	E										Х						Х		Χ										$oxed{oxed}$	Χ			-
Batrachoseps stebbinsi	Tehachapi slender salamander		T		Χ														Χ		Χ		Χ			Χ			Χ	<u> </u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	Χ	\perp		<1
Rana boylii	foothill yellow-legged frog ²		C SC		Х		Х		Х		Х	Х				Χ	Χ				Χ	Х	Х	Х	Х		Χ		Х	Χ		Χ	Х	f	60,941
Rana draytonii	California red-legged frog ²	T	SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х Х	1,3	,341,922
Rana muscosa	southern mountain yellow-legged frog ²	E	E	Χ	Χ	Χ			Х	Χ	Χ	Χ	Х		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	(9	90,834
CDFW Species of Special Concern																																			
Scaphiopus couchii	Couch's spadefoot ²		SC	Χ									Χ	Χ					Χ		Χ						Χ			L		Χ			3,059
Spea hammondii	western spadefoot ²		SC	Χ	Χ		Х		Х	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	Χ	Х Х	. 7	763,343
Taricha torosa	Coast Range newt		SC		Χ				Х		Χ	Χ	Х		Χ	Χ	Х		Χ		Х	Х	Χ	Х	Χ	Χ			Χ	Χ	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	Χ	\bot	1!	157,035
Birds																																			
Federal and State Listed/CDFW Fully P	Protected	ı			I	1					I			1						1 1			I	I	1	I							—	—	
Agelaius tricolor	tricolored blackbird		E SC	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ		Χ	Х	Х	Х	Х	Х	Х		Х	Х		Х	Х Х		816,685
Aquila chrysaetos	golden eagle		FP	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Х Х	1,4	,452,456
Buteo swainsoni	Swainson's hawk		T	Х	Х	Х		Χ					Х					Χ	Х		Х	Х	Χ	Х			Χ		Χ	Х		Χ	Х		<1
Coccyzus americanus occidentalis	western yellow-billed cuckoo	T	E		Χ				Х		Χ	Χ				Χ					Χ								igwdow		$\perp \!\!\! \perp \!\!\! \perp$	Χ			10,375
Elanus leucurus	white-tailed kite		FP	Χ	Χ		Х	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Х Х		,144,050
Empidonax traillii	willow flycatcher		E		Х						Х	Χ				Χ					Х										$\downarrow \downarrow \downarrow$	Χ	\perp		6,522
Empidonax traillii extimus	southwestern willow flycatcher	E	E	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	XX		,310,018
Falco peregrinus anatum	American peregrine falcon		FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х		Х	Х	$\downarrow \downarrow \downarrow$	Χ	Х Х	. 1,1	,155,671
Gymnogyps californianus	California condor	E	E FP		Х		Х	Х	Х		Х	Х	Х		Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х		Х	Х		Х	Х Х	1.	142,774
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х Х	1,2	,262,820
Passerculus sandwichensis beldingi	Belding's savannah sparrow		E	Χ	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Х Х	1,4	,452,456
Pelecanus occidentalis californicus	California brown pelican ²		FP	Χ	Χ							Χ	Х																لــــا		$oxed{oxed}$				<1
Polioptila californica californica	coastal California gnatcatcher	T	SC	Χ	Х		Х	Х	Х	Х	Χ	Х	Χ		Χ	Χ	Χ	Χ	Χ		Χ	Х	Χ	Χ	Х	Χ	Χ	Х	Х	Х		Χ	Х Х	7	794,625
Rallus obsoletus levipes	light-footed Ridgeway's rail ²	E	E FP		Х		Х		Х		Χ	Х									Χ				Х							Χ	Х		731
Sterna antillarum browni	California least tern ²	E	E FP						Х		Χ	Х									Χ				Х										292
Vireo bellii pusillus	least Bell's vireo	E	Ε	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	(8	396,240

Table 17b Special-Sta	tus Wildlife Species Known o	r with	n Pote	ntial t	to Occ	ur in t	he So	uther	n Cali	forni	а Моι	ntains	and '	Valle	vs Ecol	logica	al Sec	tion	(M262	B)													
		Lis	ting						•										Treatable		аре												
		Sta	atus					Τ													<u> </u>	1	_										
Scientific Name	Common Name	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 Lodrande 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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
CDFW Species of Special Concern			1	ı	ı		I	_	ı	1	ı		1	1			-				1	_	ı	ı	1		1 1			1			
Accipiter gentilis	northern goshawk		SC	Х	Х	Χ			Х	Х	Χ	Χ	Χ	Х	Х			Χ	X X	_	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	X X	151,462
Ammodramus savannarum	grasshopper sparrow		SC	Х	Х		Χ		Х	Х	Χ	Χ	Χ				Χ		Х	Х	Х	Х	Х	Χ	Х	Χ		Χ	Χ		Χ	X	611,424
Asio otus	long-eared owl		SC	Х	Х	Χ	Χ	Х	Х	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	X X	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Х Х	1,452,456
Athene cunicularia	burrowing owl		SC	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ		Χ	Χ		Χ	Х	443,871
Aythya Americana	redhead ²		SC	Х	Х		Χ	Х	Х		Χ	Х	Χ			Χ			Χ	Х	Х	Х	Х	Χ	Х	Χ		Χ	Χ		Χ	Х	272,420
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren		SC		Х						Х	Х				Х				Х											Χ		2,567
Charadrius alexandrines	snowy plover (interior population) ²		SC	Χ	Х		Χ	Х	Х		Χ	Χ	Χ			Х			Χ	Х	Χ	Х	Х	Χ				Χ	Χ		Χ		184,935
Charadrius montanus	mountain plover		SC		Х		Χ		Х		Χ	Χ								Х				Χ							Χ	Х	2,712
Circus hudsonius	northern harrier		SC	Χ	Х		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ		Χ	Χ		Χ	X	881,118
Cistothorus palustris clarkae	Clark's marsh wren ²		SC		Х						Χ	Χ								Х											Χ		3,851
Contopus cooperi	olive-sided flycatcher		SC	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ		Х	Х	Χ	Χ	X X	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Х Х	453,741
Coturnicops noveboracensis	yellow rail ²		SC		Χ							Χ								Х					Χ								-
Cypseloides niger	black swift		SC		Χ				Χ		Χ	Χ	Χ		Χ		Χ		Х	Х	Χ	Х	Х	Χ			Χ	Χ	Χ	Χ	Χ	Х	54,213
Dendragapus fuliginosus howardi	Mount Pinos sooty grouse		SC		Х										Х		Χ			Х	Χ	Х	Х	Χ		Χ		Χ	Χ		Χ	Х Х	5,785
Icteria virens	yellow-breasted chat		SC	Х	Х		Χ	Х	Х	Χ	Χ	Χ	Χ	Χ		Х	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Χ		Χ	Х Х	1,169,174
Ixobrychus exilis	least bittern ²		SC								0	0								0													<1
Lanius ludovicianus	loggerhead shrike		SC	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	X X	Х	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Х Х	1,452,456
Mycteria Americana	wood stork ²		SC								Χ	Χ								Х											Χ		212
Oreothlypis luciae	Lucy's warbler		SC		Χ								Χ	Χ				Χ	Χ	Х				Χ	Χ	Χ		Χ			Χ		2,263
Pelecanus erythrorhynchos	American white pelican ²		SC	Χ	Χ	Χ						Χ	Χ	Χ					Χ							Χ		Χ					9,355
Piranga rubra	summer tanager		SC	Χ	Χ				Χ		Χ	Χ	Χ	Χ				Χ	Χ	Х		Х		Χ	Χ	Χ		Χ			Χ		9,100
Pooecetes gramineus affinis	Oregon vesper sparrow		SC	Χ	Х				Х	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	849,896
Progne subis	purple martin		SC	Χ	Х		Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х Х	642,839
Pyrocephalus rubinus	vermilion flycatcher		SC		Х				Χ		Χ	Χ	Χ	Х		Χ		Χ	Χ	Х	Χ	Х		Χ	Х	Χ		Χ			Χ		13,528
Setophaga petechia	yellow warbler		SC	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х Х	1,284,983
Strix occidentalis occidentalis	California spotted owl		SC	Χ	X	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ		Х	Х	Χ	Χ	Х Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Х Х	312,571
Toxostoma bendirei	Bendire's thrasher		SC		Χ								Χ	Χ	Х			Χ	Χ	Х	Χ	Χ	Х			Χ		Χ	Χ		Χ		27,229
Toxostoma crissale	Crissal thrasher		SC	Χ	Х							Χ	Х											Χ				Χ			Χ		2,882
Vireo vicinior	gray vireo		SC	Χ	Х	Χ			Х		Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Х Х	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	176,425
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Χ	X	X		Χ	X		X	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Х	X	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х		Χ	Χ	70,171

Table 17b Special-Stat	us Wildlife Species Known o	r with	n Pote	ntial t	ο Οςςι	ır in t	he So	uther	n Calif	ornia	a Mou	ntains	s and \	/alle	ys Eco	ologic	cal Se	ction	n (M26	62B)												·		
			sting atus												CWH	R Type	es with	in the	Treata	ble L	andscap	эе												
Scientific Name	Common Name	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	White Fir	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Invertebrates																																		
Federal and State Listed/CDFW Fully Pro	otected																																	
Bombus crotchii	Crotch bumble bee ²		С		Χ		Χ	Χ		Х	Χ	Χ			Χ		Χ			Χ			Χ	Χ	Χ	Χ		Х		Χ	Χ	Χ	X	617,922
Bombus occidentalis occidentalis	western bumble bee ²		С		Χ		Χ	Χ			Χ				Χ								Χ	Χ	Χ	Χ				Χ		Χ	X	6,314
Branchinecta conservatio	conservancy fairy shrimp ²	E			Χ		Χ	Χ	Χ		Χ	Χ	Х		Χ	Χ	Χ		Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	χ	116,000
Branchinecta lynchi	vernal pool fairy shrimp ²	T		Χ	Χ		Χ	Χ	Χ		Χ	Χ	Х		Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	X	235,339
Branchinecta sandiegonensis	San Diego fairy shrimp ²	E			Χ				Χ	Χ	Χ	Χ				Χ					Χ					Χ						Χ		46,376
Dinacoma caseyi	Casey's June beetle	E			Χ								Х																					510
Euphydryas editha quino	quino checkerspot butterfly	E		Χ	Χ				Χ	Χ	Χ	Χ	Х	Χ		Χ	Χ		Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ		Χ	Х	501,627
Euproserpinus euterpe	Kern primrose sphinx moth	T			Χ						Χ	Χ	Х						Χ		Χ						Χ		Χ	Χ				2,343
Glaucopsyche lygdamus palosverdesensis	Palos Verdes blue butterfly	E		Χ	Χ			Χ	Χ		Χ	Χ	Х			Χ		Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	X	127,329
Lycaena hermes	Hermes copper butterfly	С			Χ				Χ	Χ	Χ	Χ				Χ					Χ		Χ		Χ	Χ				Χ		Χ		91,752
Monadenia infumata setosa	Trinity bristle snail		T	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	X	1,452,451
Pyrgus ruralis lagunae	Laguna Mountains skipper	E			Χ				Χ		Χ	Χ	Х		Χ		Χ				Χ	Χ	Χ	Χ	Χ	Χ			Χ	Χ		Χ	Х	20,542
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	E			Χ						Χ	Χ				Χ					Χ											Χ		3,671
Speyeria callippe callippe	callippe silverspot butterfly	E		Χ	Χ		Χ	Χ	Χ		Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	X	204,771
Streptocephalus woottoni	Riverside fairy shrimp ²	E		Χ	Χ		Χ	Χ	Χ	Х	Χ	Χ	Χ		Χ	Χ	Χ		Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	X	252,204
Mammals																																		
Federal and State Listed/CDFW Fully Pro	otected																		·	·													Ÿ	,
Ammospermophilus nelson	Nelson's antelope squirrel		T																Χ		Χ						Χ		Χ					<1
Bassariscus astutus	ringtail		FP	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	X	1,452,456
Dipodomys ingens	giant kangaroo rat	E	E								-								Χ		Χ						Χ		Χ					<1
Dipodomys merriami parvus	San Bernardino kangaroo rat	E	SC	Χ	Χ				Χ		Χ	Χ	Х			Χ	Χ		Χ		Χ	Χ	Χ	Χ	Χ	Χ		Х		Χ		Χ		181,076
Dipodomys stephensi	Stephens' kangaroo rat	E	T	Χ	Χ				Χ		Χ	Χ	Х			Х	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	641,243
Microtus californicus scirpensis	Amargosa vole	E	Е		Χ		Χ				Χ				Χ		Χ		Χ		Χ	Χ	Χ	Χ	Χ		Χ		Χ	Χ		Χ	ΧX	7,678
Ovis canadensis nelsoni	desert bighorn sheep		FP	Χ	Χ	Х	Χ		Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	ΧX	564,002
Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	Е	T FP	Х	Х	Х			Х		Χ	Х	Х	Χ			Х		Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Х	Х		135,837
Perognathus longimembris pacificus	Pacific pocket mouse	Е	SC	Χ	Χ			Х	Х		Χ	Χ	Х			Х		Χ	Χ		Χ	Χ	Χ	Χ	Χ	Х	Χ		Χ	Χ		Χ	X	127,329
Sorex ornatus relictus	Buena Vista Lake ornate shrew	Е	SC	Χ	Χ		Х	Χ	Χ		Χ	Χ	Х		Χ	Х	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	X	205,370
Vulpes macrotis mutica	San Joaquin kit fox	Е	T									Χ							Χ		Χ						Χ		Χ					<1
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	X X	1,452,451
Xerospermophilus mohavensis	Mohave ground squirrel		T	Χ	Χ	Х		Χ	Χ				Х					Χ	Χ		Χ	Χ	Χ	Χ	Χ		Χ		Χ	Χ		Χ	X	<1

Table 17b Special-Stat	us Wildlife Species Known or	with	Pote	ntial t	о Осс	ur in t	he So	uther	n Cali	forni	a Mou	ntains	and \	/alle\	rs Ecol	ogical	l Sect	ion ((M262I	3)			•										
		List	ting																reatable		аре												
		Sta	itus													, 				I	<u> </u>									П			
Scientific Name	Common Name	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	Jenrey Pine	Joshua Iree	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
CDFW Species of Special Concern	I.	l!	<u> </u>		l	-1	1	1			l		1			!	!					1	1		l	<u>I</u>							
Antrozous pallidus	pallid bat		SC	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ	X .	X :	X	Х Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х Х	1,452,456
Chaetodipus californicus femoralis	Dulzura pocket mouse		SC		Χ				Χ			Χ								Х	Х				Χ			Χ					-
Chaetodipus fallax fallax	northwestern San Diego pocket mouse		SC		Х				Χ			Χ				Х				Х	Х			Χ	Χ			Χ	1		Χ		-
Chaetodipus fallax pallidus	pallid San Diego pocket mouse		SC	Χ	Х								Χ	Χ					Χ						Χ	Χ		Χ	1				-
Choeronycteris Mexicana	Mexican long-tongued bat		SC		Х				Χ	Х	Χ	Χ				Х				Х									1		Χ		5,269
Corynorhinus townsendii	Townsend's big-eared bat		SC	Χ	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	X .	X :	X	Х Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	ХХ	1,452,456
Euderma maculatum	spotted bat		SC	Χ	Χ	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	X .	X :	X	Х Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	ХХ	1,401,434
Eumops perotis californicus	western mastiff bat		SC	Χ	Χ	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	X .	X :	X	Х Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	ХХ	1,452,456
Glaucomys oregonensis californicus	San Bernardino flying squirrel		SC	Χ	Χ	Х			Χ		Χ	Χ	Χ		Χ)	X :	X	Х Х	Х	Х	Х	Χ	Χ		Χ	Χ	Χ	Χ	Х	Χ	Х	75,057
Lasiurus blossevillii	western red bat		SC	Χ	Χ		Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	X 2	X :	X	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	ХХ	1,091,223
Lasiurus xanthinus	western yellow bat		SC	Χ	Χ	Х			Х	Х	Χ	Χ	Χ	Х	Χ	X 2	X :	X	Х Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	1,140,145
Lepus californicus bennettii	San Diego black-tailed jackrabbit		SC	Χ	Χ				Х			Χ	Χ	Χ						Х					Χ			Χ	1		Χ		-
Macrotus californicus	California leaf-nosed bat		SC	Χ	Χ				Х	Х	Χ	Χ	Χ	Χ	Χ	X 2	X :	X	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ		Χ	Χ		Χ		153,236
Microtus californicus stephensi	south coast marsh vole ²		SC	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ		Χ	X 2	X .	X	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	Χ	265,512
Neotoma lepida intermedia	San Diego desert woodrat		SC	Χ	Χ	Х			Χ	Х	Χ	Χ	Χ	Χ	Χ)	X :	X	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	79,078
Nyctinomops femorosaccus	pocketed free-tailed bat		SC	Χ	Χ	Х			Χ	Х	Χ	Χ	Χ	Χ		X .	X		Χ	Х	Х	Х	Χ	Χ	Χ	Χ		Χ	Χ		Χ	Х	936,299
Onychomys torridus ramona	southern grasshopper mouse		SC	Χ	Χ				Χ			Χ	Χ	Χ						Х	Х				Χ			Χ	1		Χ		-
Perognathus alticola alticola	white-eared pocket mouse		SC	Χ	Χ	Х			Χ	Х	Χ		Χ		Χ)	X :	X	Χ	Х	Х	Х	Χ	Χ		Χ	Χ	Χ	Χ		Χ		24,228
Perognathus alticola inexpectatus	Tehachapi pocket mouse		SC		Χ			Х	Χ				Χ		Χ)	X		Χ	Х	Х	Х	Χ	Χ	Χ	Χ		Χ	Χ		Χ	ХХ	23,658
Perognathus longimembris bangsi	Palm Springs pocket mouse		SC	Χ									Χ															Χ	1				-
Perognathus longimembris brevinasus	Los Angeles pocket mouse		SC		Χ				Х			Χ								Х					Χ			Χ	1				-
Perognathus longimembris internationalis	Jacumba pocket mouse		SC	Χ	Χ							Χ	Χ												Χ			Χ	1				-
Taxidea taxus	American badger		SC	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	X 2	X :	X	Х Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х Х	1,452,456
Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel		SC	Χ	Χ								Χ	Χ											Χ				1				-
Reptiles																																	
Federal and State Listed/CDFW Fully Pro	otected																																
Charina umbratica	southern rubber boa		T	Χ	Χ				Χ		Χ	Χ	Χ		Χ		X		Х Х	Х	Χ	Х	Χ	Χ		Χ	Χ	Χ	Χ	Х	Χ	Х	61,473
Coleonyx switaki	barefoot gecko		T	Χ	Χ				Х		Χ	Χ	Χ	Χ					Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Ш	Χ			Χ		74,535
Gambelia sila	blunt-nosed leopard lizard	E	E FP		Х						Х	Χ	Х						Х	Х						Χ		Χ					2,237
Gopherus agassizii	desert tortoise	Т	T	Χ	Χ	Х		Х	Х			Χ	Χ	Х	Χ		2	X	Χ	Х	Х	Х	Х	Χ	Χ	Χ		Χ	Χ		Χ	Х	41,320
Uma inornata	Coachella Valley fringe-toed lizard	Т	Е	Χ	Χ							Χ	Χ	Χ																	Χ		1,201

Table 17b Special-S	tatus Wildlife Species Known o	r with I	Poter	ntial <u>t</u>	o Occ	ur in 1	the So	uthe	n Cali	forni	a Mo	untai <u>n</u> s	and	Valle	ys Ec	ologi	cal Se	ectio	n (M <u>2</u>	(62B)															
		Listir Stati	ing													Ť					andsca	pe													
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
CDFW Species of Special Concern			I.			1			1		1		1											ı					Į.						
Anniella sp.	California legless lizard		SC	Χ	Χ	Х	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	1,440,927
Arizona elegans occidentalis	California glossy snake		SC	Χ	Χ	Х	Х	Χ	Х	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	χ	Χ	Χ		Χ	Χ	Х	1,064,035
Aspidoscelis tigris stejnegeri	coastal whiptail		SC	Χ	Χ	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X	Х	1,257,866
Coleonyx variegatus abbotti	San Diego banded gecko		SC	Χ	Χ				Х	Х	Х	Χ	Х	Х	Х	Χ	Χ		Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	1		396,946
Crotalus ruber	red-diamond rattlesnake		SC	Χ	Χ	Х			Х	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	1	Х	1,051,522
Emys marmorata	western pond turtle ²		SC	Χ	Χ	Х	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	χ	Χ	Χ	Χ	Χ	X	Х	1,262,252
Gambelia copeii	Cope's leopard lizard		SC		Χ				Х		Х	Χ	Х								Χ	Χ			Χ	Χ			Χ			Χ	i		25,284
Masticophis flagellum ruddocki	San Joaquin coachwhip		SC									Χ							Χ		Χ						Χ		Χ				i		21
Masticophis fuliginosus	Baja California coachwhip		SC		Χ				Х	Х	Х	Х	Х			Χ					Χ	Χ			Х	Χ			Χ			Χ			77,708
Phrynosoma blainvillii	coast horned lizard		SC	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	X	Х	1,444,526
Phrynosoma mcallii	flat-tailed horned lizard		SC	Χ	Χ							Х	Х	Х																					3,452
Salvadora hexalepis virgultea	coast patch-nosed snake		SC	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Χ		Χ	Х	Х	1,165,772
Thamnophis hammondii	two-striped garter snake ²		SC	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	1,410,303
Thamnophis sirtalis pop. 1	south coast garter snake		SC	Χ	Χ		Х		Х	Х	Х	Х	Х	Х	Х	Χ	Χ		Х		Χ	Χ	Х	Х	Х	Х	Χ		Χ	Χ		Χ	Х	Х	769,947
Uma notata	Colorado Desert fringe-toed lizard		SC	Χ									Х	Х													Χ								247
Uma scoparia	Mojave fringe-toed lizard		SC	Х	Χ	Х			Х				Х	Х	Х			Χ	Χ		Χ	Χ	Χ	Х	Х		Χ		Χ	Χ		Χ			13,143

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 treatable landscape is 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-Stat	us Plant Species Known or w	vith Poter	ntial to (Occur in t	he Southern Cascades Ecological Section (M261D) within the Treatable Landscape
		L	isting Sta	tus	
6 : .:6 N	C N			California	
Scientific Name	Common Name	Federal	State	Rare Plant	Habitat Desription
				Rank	
Federal and State Listed					
Cirsium ciliolatum	Ashland thistle		F	2B.1	Cismontane woodland, valley and foothill grassland. Dry, grassy, south-facing slopes. 2592 to 4003 ft in elevation. Blooms June-August.
Eriastrum tracyi	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.
Gratiola heterosepala	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.
Orcuttia tenuis	slender Orcutt grass	Т Т	F	1B.1	Vernal pools, wetland. Often in gravelly substrate. 82 to 5758 ft in elevation. Blooms May-September (October).
Phlox hirsuta	Yreka phlox	E	F	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	пека ріпох	-		10,2	Lower montane connerous forest, upper montane connerous forest. Open slopes and grassianus, of serpentine graver. 2125 to 4135 ft in elevation, blooms April 3 dire.
Alisma gramineum	grass alisma			2B.2	Marshes and swamps. Freshwater marsh. 410 to 5692 ft in elevation. Blooms June-August.
Allium jepsonii	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.
Androsace filiformis	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.
Anisocarpus scabridus	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).
Anthoxanthum nitens ssp. nitens	<u> </u>			2B.3	Meadows and seeps. Wet sites. 10 to 6217 ft in elevation. Blooms April-July.
Arnica fulgens	vanilla-grass 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).
Astragalus lemmonii	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).
Astragalus pulsiferae var. pulsiferae	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).
Astragalus pulsiferae var. suksdorfii	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.
Balsamorhiza lanata	woolly balsamroot			1B.2	Cismontane woodland. Open woods, grassy slopes. Volcanic substrates. 2625 to 6217 ft in elevation. Blooms April-June.
Betula glandulosa	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.
Botrychium ascendens	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.
Botrychium crenulatum	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.
Botrychium minganense	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.
Botrychium montanum	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.
Botrychium pinnatum	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.
Botrypus virginianus	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.
	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.
Calochortus longebarbatus var. longebarbatus	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.
Calochortus monanthus	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.
Calochortus syntrophus	Callahan's mariposa-lily			1B.1	Cismontane woodland, valley and foothill grassland. In vernally mesic areas. 1411 to 4003 ft in elevation. Blooms May-June.
Campanula wilkinsiana	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.
Cardamine pachystigma var. dissectifolia	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.
Carex comosa	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 island16 to 5315 ft in elevation. Blooms May-September.
Carex halliana	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.
Carex lasiocarpa	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.
Carex limosa	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.
Brasenia schreberi Calochortus greenei Calochortus longebarbatus var. longebarbatus Calochortus monanthus Calochortus syntrophus Campanula wilkinsiana Cardamine pachystigma var. dissectifolia Carex comosa Carex halliana Carex lasiocarpa	watershield Greene's mariposa-lily long-haired star-tulip single-flowered mariposa-lily Callahan's mariposa-lily Wilkin's harebell dissected-leaved toothwort bristly sedge Oregon sedge woolly-fruited sedge			2B.3 1B.2 1B.2 1A 1B.1 1B.2 1B.2 2B.1 2B.3 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. 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. 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. 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. Cismontane woodland, valley and foothill grassland. In vernally mesic areas. 1411 to 4003 ft in elevation. Blooms May-June. Meadows and seeps, upper montane coniferous forest, subalpine coniferous forest. Often on streambanks in meadows. 4167 to 8530 ft in elevation. Blooms July-September. Chaparral, lower montane coniferous forest. Serpentine outcrops and gravelly serpentine talus. 984 to 3117 ft in elevation. Blooms February-May. Marshes and swamps, coastal prairie, valley and foothill grassland. Lake margins, wet places; site below sea level is on a Delta island16 to 5315 ft in elevation. Blooms May-September. Meadows and seeps, subalpine coniferous forest, upper montane coniferous forest. Often on pumice. 4790 to 6824 ft in elevation. Blooms (May), July-September. Bogs and fens, marshes and swamps. Sphagnum bogs, freshwater marsh, lake margins. 1969 to 6398 ft in elevation. Blooms June-July.

	5) 5 1 1/				
Table 18a Special-Stat	us Plant Species Known or w				ne Southern Cascades Ecological Section (M261D) within the Treatable Landscape
		L	isting Sta	tus	
Scientific Name	Common Name			California	Habitat Desription
500.15		Federal	State	Rare Plant Rank	nastat 2 st. pao.
				rank	
Carex petasata	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.
Carex sheldonii	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.
Carex xerophila	chaparral sedge			1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. Serpentinite, gabbroic. 902 to 2526 ft in elevation. Blooms March-June.
Castilleja lassenensis	Lassen paintbrush			1B.3	Subalpine coniferous forest, meadows and seeps. Volcanic. 3133 to 10236 ft in elevation. Blooms June-September.
Chaenactis suffrutescens	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.
Clarkia borealis ssp. arida	Shasta clarkia			1B.1	Cismontane woodland, lower montane coniferous forest. Openings. 1394 to 1952 ft in elevation. Blooms June-August.
Clarkia borealis ssp. borealis	northern clarkia			1B.3	Chaparral, cismontane woodland, lower montane coniferous forest. Often seen in roadcuts. 1132 to 5052 ft in elevation. Blooms June-September.
Clarkia gracilis ssp. albicaulis	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.
Clarkia mildrediae ssp. mildrediae	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.
Climacium dendroides	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 .
Cordylanthus tenuis ssp. pallescens	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.
Cryptantha crinita	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.
Cuscuta jepsonii	Jepson's dodder			1B.2	North coast coniferous forest. Streamsides. 397 to 9006 ft in elevation. Blooms July-September.
Draba carnosula	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.
Drosera anglica	English sundew			2B.3	Bogs and fens, meadows. 4265 to 6562 ft in elevation. Blooms June-September.
Epilobium oreganum	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.
Epilobium palustre	marsh willowherb			2B.3	Wetland. Bogs and fens, meadows and seeps. Mesic sites. 5430 to 7710 ft in elevation. Blooms July-August.
Erigeron lassenianus var. deficiens	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.
Erigeron nivalis	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.
Eriogonum pyrolifolium var. pyrolifolium	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.
Eriogonum umbellatum var. ahartii	Ahart's buckwheat			1B.2	Cismontane woodland, chaparral. Serpentinite. On slopes, in openings. 902 to 4856 ft in elevation. Blooms June-September.
Erythranthe inflatula	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.
Erythronium klamathense	Klamath fawn lily			2B.2	Upper montane coniferous forest, meadows and seeps. 3937 to 6070 ft in elevation. Blooms April-July.
Erythronium revolutum	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).
Eurybia merita	subalpine aster			2B.3	Upper montane coniferous forest. 4265 to 6562 ft in elevation. Blooms .
Frangula purshiana ssp. ultramafica	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.
Galium serpenticum ssp. scotticum	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.
Geum aleppicum	Aleppo avens			2B.2	Meadows, Great Basin scrub, lower montane coniferous forest. 1476 to 4921 ft in elevation. Blooms June-August.
Helodium blandowii	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 .
Heteranthera dubia	water star-grass			2B.2	
Horkelia daucifolia var. indicta	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.
Hulsea nana	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.
Hymenoxys lemmonii	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).
Ivesia pickeringii	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).
Juncus digitatus	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.
Janeas algradas	961 14311			10,1	Blooms (April), May-June.

- 11 40					
Table 18a Special-State	us Plant Species Known or w				ne Southern Cascades Ecological Section (M261D) within the Treatable Landscape
		L	isting Sta	tus	
Scientific Name	Common Name			California	Habitat Desription
Scientific (value	Common raume	Federal	State	Rare Plant Rank	Habitat Beshpaon
				Name	
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush			1B.1	Chaparral, valley and foothill grassland, cismontane woodland, vernal pools, meadows and seeps. Vernally mesic sites. Sometimes on edges of vernal pools. 98 to 3363 ft in elevation. Blooms March-June.
Juncus luciensis	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.
Limnanthes floccosa ssp. bellingeriana	Bellinger's meadowfoam			1B.2	Meadows and seeps, cismontane woodland. Vernally wet sites including wet edges of meadows, and damp, stony flats. 935 to 3609 ft in elevation. Blooms April-June.
Lomatium peckianum	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).
Lysimachia thyrsiflora	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.
Meesia uliginosa	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.
_	· ·			27.0	Blooms July-October.
Mertensia longiflora	long bluebells			2B.2	Great Basin scrub, lower montane coniferous forest. 4347 to 6004 ft in elevation. Blooms April-June.
Microseris laciniata ssp. detlingii	Detling's silverpuffs			2B.2	Cismontane woodland. Openings in clay soils. 1969 to 4921 ft in elevation. Blooms May-June.
Monardella follettii	Follett's monardella			1B.2	Lower montane coniferous forest. Open rocky serpentine slopes. 1969 to 6562 ft in elevation. Blooms June-September.
Moneses uniflora	woodnymph			2B.2	Broadleafed upland forest, North coast coniferous forest. 328 to 3609 ft in elevation. Blooms May-August.
Navarretia leucocephala 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.
Ophioglossum pusillum	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.
Opuntia fragilis	brittle prickly-pear			2B.1	Pinyon and juniper woodland. Volcanic soils. 2690 to 2887 ft in elevation. Blooms April-July.
Orthocarpus pachystachyus	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.
Orthotrichum holzingeri	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.
Packera eurycephala var. lewisrosei	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).
Paronychia ahartii	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.
Penstemon sudans	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).
Phacelia cookei	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.
Phacelia inundata	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).
Phlox muscoides	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.
Picea engelmannii	Engelmann spruce			2B.2	Upper montane coniferous forest. Slopes and hillsides, often on alluvial terrace. 3494 to 7005 ft in elevation. Blooms .
Polemonium carneum	Oregon polemonium			2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. 0 to 6004 ft in elevation. Blooms April-September.
Polygonum polygaloides ssp. esotericum	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 Deschampsia, Navarretia, etc. 2904 to 5545 ft in elevation. Blooms May-September.
Potamogeton praelongus	white-stemmed pondweed			2B.3	Marshes and swamps. Deep water, lakes. 5906 to 9843 ft in elevation. Blooms July-August.
Potamogeton zosteriformis	eel-grass pondweed			2B.2	Marshes and swamps. Ponds, lakes, streams. 295 to 7005 ft in elevation. Blooms June-July.
Potentilla newberryi	Newberry's cinquefoil			2B.3	Marshes and swamps, vernal pools. Receding shorelines; drying wetland margins. 4216 to 6332 ft in elevation. Blooms May-August.
Rhamnus alnifolia	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.
Ribes hudsonianum var. petiolare	western black currant			2B.3	Riparian scrub. Along creeks with Salix, Heracleum, etc. 4921 to 7316 ft in elevation. Blooms May-July.
Rorippa columbiae	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.
Rosa gymnocarpa var. serpentina	Gasquet rose			1B.3	Chaparral, cismontane woodland. Serpentinite. Often on roadsides, sometime on ridges, streambanks, and in openings. 1198 to 7316 ft in elevation. Blooms April-June (August).
Rupertia hallii	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).
Salix bebbiana	Bebb's willow			2B.3	Riparian scrub, marshes and swamps. Streambanks, lakeshores. 3937 to 7316 ft in elevation. Blooms May.
Scheuchzeria palustris	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-Sta	tus Plant Species Known or	with Po <u>ter</u>	ntial to (Occur in tl	he Southern Cascades Ecological Section (M261D) within the Treatable Landscape
			isting Sta		
Scientific Name	Common Name	Federal	State	California Rare Plant Rank	Habitat Desription
Schoenoplectus heterochaetus	slender bulrush			2B.1	Marshes and swamps, lower montane coniferous forest. Montane lake margins. In California: 5249 to 5249 ft in elevation. Blooms August.
Scirpus pendulus	pendulous bulrush			2B.2	Meadows and seeps, freshwater marsh. Mesic sites. 2625 to 3281 ft in elevation. Blooms June-August.
Scutellaria galericulata	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.
Sedum obtusatum ssp. paradisum	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.
Sidalcea robusta	Butte County checkerbloom			1B.2	Chaparral, cismontane woodland. Small draws and rocky crevices. 246 to 1312 ft in elevation. Blooms April-June.
Silene occidentalis ssp. longistipitata	long-stiped campion			1B.2	Chaparral, lower montane coniferous forest, upper montane coniferous forest. 3281 to 6562 ft in elevation. Blooms June-August.
Silene suksdorfii	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.
Stachys pilosa	hairy marsh hedge-nettle			2B.3	Great Basin scrub, meadows and seeps. Mesic sites. 2575 to 6709 ft in elevation. Blooms June-August.
Stellaria longifolia	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.
Stenotus lanuginosus var. lanuginosus	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.
Stuckenia filiformis 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.
Thelypodium howellii ssp. howellii	Howell's thelypodium			1B.2	Great Basin scrub, meadows and seeps. Moist alkaline meadows. 3297 to 6709 ft in elevation. Blooms May-July.
Trifolium piorkowskii	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.
Trifolium siskiyouense	Siskiyou clover			1B.1	Meadows and seeps. Mesic sites. 2887 to 4921 ft in elevation. Blooms June-July.
Triteleia grandiflora	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.
Triteleia hendersonii	Henderson's triteleia			2B.2	Cismontane woodland. Open slopes and road banks. 2493 to 3937 ft in elevation. Blooms May-July.
Utricularia intermedia	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.
Utricularia ochroleuca	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.
Vaccinium scoparium	little-leaved huckleberry			2B.2	Subalpine coniferous forest. Rocky, subalpine woods. Sometimes serpentine. 3396 to 7218 ft in elevation. Blooms June-August.

Listing Status California Rare Plant Rank

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

T = Threatened 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

R = Rare

Table 18b Special-Sta	atus Wildlife Species Knov	vn or v	with <u>F</u>	Potentia <u>l</u>	to Oc	cur ir	the S	Southe	ern <u>C</u>	asca	des <u>E</u> c	ologic	al Secti	ion (M	261D)_																	
·		List	ting itus												VHR Typ	oes with	nin the	Treatab	le Land	scape												
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Amphibians																																
Federal and State Listed/CDFW Fully I	Protected																															
Hydromantes shastae	Shasta salamander		T		Х			Х	Χ		Х	Х			Χ			Х	Χ	Χ	Χ	Χ		Χ	Χ		Х				Х	164
Rana boylii	foothill yellow-legged frog ²		C SC		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	818,875
Rana cascadae	Cascades frog ²		C SC		Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	Х	Х	Х	Х	Х		Х	462,971
Rana draytonii	California red-legged frog ²	T	SC		Χ	Х		Χ	Χ	Χ	Χ	Χ	Х			Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ	Χ	351,191
Rana pretiosa	Oregon spotted frog ²	T			Х		Χ					Χ		Χ				Χ	Χ	Χ	Χ		Χ	Χ		Х	Х					7,862
Rana sierrae	Sierra Nevada yellow-legged frog ²	Е	T		Х		Χ					Χ	Х						Χ			Χ		Χ	Х	Х	Х				Χ	<1
CDFW Species of Special Concern											•			•								'l					•					
Ambystoma macrodactylum sigillatum	southern long-toed salamander ²		SC	Χ		Х	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		Х	455,983
Ascaphus truei	Pacific tailed frog ²		SC		Χ	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	χ	Χ	Χ	Х	Χ	Χ	Х	Х		Χ	269,762
Lithobates pipiens	Northern leopard frog ²		SC		Χ	Х		Х	Х			Χ	Х	Х		Χ	Χ	Χ	Χ	Χ	Χ	χ	Χ	Χ		Χ	Χ				Χ	32,681
Birds																																
Federal and State Listed/CDFW Fully I	Protected																															
Agelaius tricolor	tricolored blackbird		E SC		Х	Х	Х	Х	Х		Х	Х		Х				Х	Х	Χ	Χ	Χ	Х	Χ		Х	Х		Х	Χ		17,437
Antigone canadensis tabida	greater sandhill crane		T FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Χ	Х	991,633
Aquila chrysaetos	golden eagle		FP	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	1,535,830
Buteo swainsoni	Swainson's hawk		T	Х	Х	Х	Х		Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Х			Χ	Χ	220,043
Elanus leucurus	white-tailed kite		FP		Х			Х	Χ		Χ							Х	Χ	Χ	Χ		Χ	Χ		Χ	Χ		Х	Χ		<1
Empidonax traillii	willow flycatcher		Е		Х	Х	Χ	Х	Χ		Х	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х		Х	Χ	Χ	479,142
Empidonax traillii brewsteri	little willow flycatcher		Е	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	1,535,830
Falco peregrinus anatum	American peregrine falcon		FP	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Χ	1,535,830
Haliaeetus leucocephalus	bald eagle		E FP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	1,535,830
Passerculus sandwichensis beldingi	Belding's savannah sparrow		Е	Х	Х	Х	Χ	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	903,286
Riparia riparia	bank swallow		Т	Х	Х	Χ	Х	Х	Χ			Х	Х	Х			Х	Х	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ					45,473
Strix nebulosa	great gray owl		Е		Х	Х	Х	Х	Χ	Χ	Х	Х	Х		Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Х		Х	Χ	Х	631,978
Strix occidentalis caurina	northern spotted owl	Т	T SC	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Х		Х	Χ	Х	7,872

Table 18b Special-Sta	atus Wildlife Species Know	n or w	ith P	otential	to Oc	cur ir	the S	South	ern C	asca	des Ec	ologic	al Secti	ion (M	261D)																	
		Listir	ng									<u> </u>			WHR Typ	oes with	nin the	Treatab	ole Land	Iscape												
		Stati	us																		Ι.									—		
Scientific Name	Common Name	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	Fow 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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
CDFW Species of Special Concern																																
Accipiter gentilis	northern goshawk		SC		Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	1,354,897
Ammodramus savannarum	grasshopper sparrow		SC		Х	Χ	Χ	Χ	Χ		Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ		Χ	Χ		Χ	Χ	Χ	70,173
Anser albifrons elgasi	Tule greater white-fronted goose		SC	Χ		Χ					Χ											Χ			Х						Χ	<1
Asio flammeus	short-eared owl		SC	Χ	Х	Х	Χ		Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Х	Х		Х	Χ	588,289
Asio otus	long-eared owl		SC	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	1,535,830
Athene cunicularia	burrowing owl		SC		Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х		Χ	Χ	Χ	970,087
Aythya americana	redhead ²		SC	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ		Χ	Х	Χ	623,190
Centrocercus urophasianus	greater sage-grouse		SC									Х		Х												Χ						37
Chaetura vauxi	Vaux's swift		SC	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	1,535,830
Charadrius alexandrinus	snowy plover (interior population) ²		SC		Χ		Χ					Χ											Χ			Χ						<1
Chlidonias niger	black tern ²		SC	Χ	Χ	Х	Χ		Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	537,188
Circus cyaneus	northern harrier		SC	Χ	Χ	Х	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х			Χ	Χ	478,851
Contopus cooperi	olive-sided flycatcher		SC	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	1,535,830
Coturnicops noveboracensis	yellow rail ²		SC		Х							Χ	Х		Χ				Χ				Χ			Χ	Χ				Χ	-
Cypseloides niger	black swift		SC		Χ	Х	Χ	Х	Χ	Χ	Χ	Х			Χ		Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ				Χ	82,016
Histrionicus histrionicus	harlequin duck ²		SC		Χ							Χ	Χ			Χ			Χ			Х	Χ	Χ		Χ	Χ		Χ		Χ	17,913
Icteria virens	yellow-breasted chat		SC		Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	Χ		Χ	Х	Χ	757,056
Ixobrychus exilis	least bittern ²		SC		Χ									Χ									Χ			Χ						983
Lanius ludovicianus	loggerhead shrike		SC	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х		Χ	Х	Х	322,063
Pelecanus erythrorhynchos	American white pelican ²		SC	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	1,012,859
Progne subis	purple martin		SC	Χ	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ		Χ	1,160,836
Setophaga petechia	yellow warbler		SC	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	1,535,830
Strix occidentalis occidentalis	California spotted owl		SC	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х		Х	Х	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ		Χ	Χ	Х	Х	5,845
Xanthocephalus xanthocephalus	yellow-headed blackbird ²		SC	Χ	Х	Χ	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	Χ	Х	Χ	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	951,273
Invertebrates																																
Federal and State Listed/CDFW Fully I	Protected																															
Bombus crotchii	Crotch bumble bee ²		С		Х	Χ		Х	Χ	Χ	Х	Χ	Х		Х	Х				Х	Х	Χ	Χ	Х	Х		Х	Х	Χ	Х	Χ	545,456
Bombus franklini	Franklin's bumble bee ²		С		Х	Χ					Х	Х	Х		Х					Х	Х	Χ	Χ	Χ			Х				Χ	26,946
Bombus occidentalis occidentalis	western bumble bee ²		С		Х	Χ		Χ	Х	Χ	Х	Х	Х		Χ	Χ				Χ	Х	Χ	Χ	Χ	Х		Х	Х	Χ	Х	Χ	1,246,377
Bombus suckley	Suckley cuckoo bumble bee ²		С		Х	Х		Χ	Х	Χ	Х	Х	Х		Х	Χ				Χ	Х	Χ	Χ	Χ	Х		Х	Х	Х	Х	Χ	632,555

Table 18b Special-St	atus Wildlife Species Knov	vn or	with I	Potential	to Oc	cur in	the S	outhe	ern C	asca	des Ec	ologic	al Secti	on (M	261D)_																	
Special 30	Species Kilov	List	ting atus							J.G.		gic			WHR Typ	es with	nin the	Treatab	ole Land	lscape												
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Branchinecta conservatio	conservancy fairy shrimp ²	Е			Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ		Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ		Х	Χ	Χ	171,089
Branchinecta lynchi	vernal pool fairy shrimp ²	Т			Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Х	601,337
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	Т			Х			Х	Χ									Х	Х	Х	Χ			Χ			Х		Х			7,118
Lepidurus packardi	vernal pool tadpole shrimp ²	Е			Х	Χ	Х	Χ	Х	Χ	Χ	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	500,474
Monadenia infumata setosa	Trinity bristle snail		T	Х	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Х	1,535,473
Pacifastacus fortis	Shasta crayfish ²	Е	Е		Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х		Χ	Х	Х	417,783
Pseudocopaeodes eunus obscurus	Carson wandering skipper	Е										Х		Х					Х							Х	Х					3,773
Speyeria callippe callippe	callippe silverspot butterfly	Е			Χ		Х					Χ	Х	Х		Χ	Х		Х		Χ	Χ	Χ	Χ	Х	Χ	Χ				Х	85,663
Speyeria zerene hippolyta	Oregon silverspot butterfly	Т			Х	Х	Х			Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х			Х	481,806
Mammals														,														L				
Federal and State Listed/CDFW Fully	Protected																															
Bassariscus astutus	ringtail		FP		Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	1,429,426
Canis lupus	gray wolf	E	Е	Х	Χ	Х	Х		Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х			Х	583,234
Gulo gulo	California wolverine	С	T FP		Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Х	Х	Χ	Х	629,377
Martes caurina humboldtensis	Humboldt marten		E SC	Х	Х	Х	Х			Х	Χ	Х	Х	Х	X	Χ	Х	Х	Χ	Χ	Х	Х	Х	Χ	Х	Х	Χ	Х			Χ	514,597
Microtus californicus scirpensis	Amargosa vole	E	E		Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ		Х	Χ	Χ	852,120
Pekania pennanti	fisher - West Coast DPS		T SC		Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	X	Χ	Х	Х	Χ	Χ	Х	Х	Х	Χ	Х	Χ	Χ	Х	Х	Χ	Χ	1,247,334
Sorex ornatus relictus	Buena Vista Lake ornate shrew	E	SC		Х		Х					Х	Х	Х		Χ	Х		Χ		Χ	Χ	Χ	Χ	Х	Х	Х				Χ	85,663
Vulpes vulpes necator	Sierra Nevada red fox	С	T	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	X	Х	Х	Х	Χ	Х	Χ	Х	1,450,280
CDFW Species of Special Concern																																
Antrozous pallidus	pallid bat		SC	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	1,535,830
Aplodontia rufa californica	Sierra Nevada mountain beaver		SC		Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	565,514
Brachylagus idahoensis	pygmy rabbit		SC									Х														Х						<1
Corynorhinus townsendii	Townsend's big-eared bat		SC	Х	Х	X	Х	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Х	1,535,830
Euderma maculatum	spotted bat		SC	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	1,466,291
Eumops perotis californicus	western mastiff bat		SC	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Х	1,187,054
Lasiurus blossevillii	western red bat		SC		Х	Х		Х	Х	Х	Χ	Х	Х		Х	Χ		Х	Χ	Х	Х	Χ	Χ	Χ	Х	Χ	Χ		Х	Χ	Х	303,969
Lepus americanus klamathensis	Oregon snowshoe hare		SC		Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	813,712

Table 18b Special-St	atus Wildlife Species Know	vn or	with F	otential	to Oc	cur ir	the S	South	ern C	ascac	des Ec	ologic	al Secti	ion (N	1261D)												,			,		
			ting atus											C	WHR Ty	pes wit	hin the	Treata	ble Lan	dscape												
Scientific Name	Common Name	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	Total Acreage of Associated CWHR Types within the Treatable Landscape ¹
Lepus americanus tahoensis	Sierra Nevada snowshoe hare		SC		Х	Х	Х	Х	Х		Χ	Х	Х			Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ		Х		Χ	327,269
Taxidea taxus	American badger		SC	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Χ	Х	1,535,830
Reptiles			•			•																										
CDFW Species of Special Concern																																
Emys marmorata	western pond turtle ²		SC	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х		Х	Χ	Х	973,564
Phrynosoma blainvillii	coast horned lizard		SC															Х		Х	Х											<1

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 treatable, 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 v	Legal S		10 000	cur by E	cologica	al Section					Eco	oregion								
Scientific Name	Common Name	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			1					ı				I
Acipenser medirostris	green sturgeon	T	SC				Х						Х	Х							
Catostomus microps	Modoc sucker		E FP																X		
Catostomus santaanae	Santa Ana sucker	T			Х																Х
Chasmistes brevirostris	shortnose sucker	E	E FP													Х			Х		
Cottus asperrimus	rough sculpin		T FP										Х			X			Х		
Cyprinodon macularius	desert pupfish	E	E						Х	Х											Х
Cyprinodon radiosus	Owens pupfish	E	E FP					Х		Х	Х	Х					Х				
Cyprinodon salinus milleri	Cottonball Marsh pupfish		T					Χ			Х										
Deltistes luxatus	Lost River sucker	E	E FP													Х			Х		
Eucyclogobius newberryi	tidewater goby	E	SC	Х	Χ		Χ							Х	Х						Х
Gasterosteus aculeatus williamsoni	unarmored threespine stickleback	E	E FP		Х																Х
Gila bicolor ssp. snyderi	Owens Tui Chub	E -	E					Х		Х	Х						Х				
Gila elegans	bonytail	E	E				v	Х	Х											.,	
Hypomesus transpacificus Lavinia exilicauda chi	Delta smelt Clear Lake hitch		E	Х		Х	Х							Х						Х	
Oncorhynchus clarkii henshawi	Lahontan cutthroat trout	Т								Х	Х			^			Х				
Oncorhynchus clarkia seleneris	Paiute cutthroat trout	T								^	^						Х				
Oncorhynchus kisutch pop. 2	coho salmon - southern Oregon / northern California ESU	T	Т				Х							Х	Х		Х				
Oncorhynchus kisutch pop. 4	coho salmon - central California coast ESU	Е	Е	Х			Х							Х	Х						
Oncorhynchus mykiss irideus pop. 10	steelhead - southern California DPS	E		Χ	Х															Х	Х
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	T		Χ		Χ	Х						Χ	Х	Х	Χ	Х	Х		Х	
Oncorhynchus mykiss irideus pop. 16	steelhead - northern California DPS	Т					Х						Χ	Х							
Oncorhynchus mykiss irideus pop. 8	steelhead - central California coast DPS	T		Х		Х	Х							Х	Х					Х	

	Fish Species Known or w	Legal S		1 10 000	ar by Ex	orogrea	1 Section					Eco	oregion								
Scientific Name	Common Name	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
Incorbynchiic mykicc iridaiic nan U	steelhead - south-central California coast DPS	T		Х																Х	
Oncorhynchus mykiss whitei	Little Kern golden trout	T															Х				
Incorbynchuc tchayaytccha non 1/	chinook salmon - California coastal ESU	Т					Х						Х	Х							
incorn/nchi ic tcha/M/tccha non h	chinook salmon - Central Valley spring-run ESU	T	Т	Х		Х	Х						Х	Х	Х	Х	Х	Х			
Incorbynchuc tchawytccha non /	chinook salmon - Sacramento River winter-run ESU	E	E	Χ		Х	Х						Х		Х	Х		Х			
Ptychocheilus lucius (Colorado pikeminnow	Е	E FP					Х	Х												
Salvelinus confluentus	bull trout	T	E										Х			Х					
iiphateles bicolor mohavensis	Mohave tui chub	E	E FP					Х													Х
iiphateles bicolor snyderi (Owens tui chub	E	E					Х		Х	Х						Х				
pirinchus thaleichthys	longfin smelt	C	T SC	Х		Х	X														
haleichthys pacificus	eulachon	T				Χ	Χ						Х	X							
pirinchus thaleichthys	longfin smelt	С	T SC	Х		Х	Х														
haleichthys pacificus	eulachon	T				Χ	Х														
•	razorback sucker	Е	E FP					Х	Х												
DFW Species of Special Concern			,														1				
	Sacramento perch		SC	Χ		Χ								Х	Х	Χ	Х	Х		Х	
	Owens sucker		SC					X		Х	Х						Х				
	Goose Lake sucker		SC																Х		
1 1 1	mountain sucker		SC							Х		Х				Χ	Х		Х		
	Klamath largescale sucker		SC													Χ			Х	ļ	
	bigeye marbled sculpin		SC										Х			Х			Х		
	Amargosa pupfish		SC					X		Х											
	Saratoga Springs pupfish		SC					Х													
	Shoshone pupfish		SC					Х			.,										
	Salt Creek pupfish		SC					Х			Х				<u> </u>						
·	northern California brook lamprey		SC			.,										Х	.,	.,	Х		
intosphenus hubbsi	Kern brook lamprey		SC			Χ					I			1	1		Х	Χ			

Table 19 Special-State	us Fish Species Known or v	with Po	tent <u>i</u> a	al to <u>Occ</u>	ur by <u>E</u>	cologi <u>c</u>	al Se <u>ctior</u>	n													
		Legal S										Eco	oregion								
Scientific Name	Common Name	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
Entosphenus similis	Klamath River lamprey		SC				Х						Х	Х		Х					
Entosphenus tridentatus	Pacific lamprey		SC	Χ	X	Χ	Χ						Χ	Χ	Χ	Χ	Х	Х		Х	Χ
Entosphenus tridentatus ssp. 1	Goose Lake lamprey		SC																Χ		
Gila coerulea	blue chub		SC													Χ			Χ		
Gila orcuttii	arroyo chub		SC	Χ	Х															Х	Χ
Hysterocarpus traskii pomo	Russian River tule perch		SC				Х							Х							
Lampetra ayresii	river lamprey		SC	Χ		Х	Х						Х	Х	Х			Х		Х	
Lavinia symmetricus mitrulus	Pit roach		SC										Х			Х			Х		
Lavinia symmetricus navarroensis	Navarro roach		SC				Х							Х							
Lavinia symmetricus parvipinnis	Gualala roach		SC				Х														
Lavinia symmetricus ssp. 1	San Joaquin roach		SC			Х												Х			
Lavinia symmetricus ssp. 2	Tomales roach		SC				Х														
Lavinia symmetricus ssp. 3	Red Hills roach		SC															Х			
Lavinia symmetricus subditus	Monterey roach		SC	Χ																Х	
Mylopharodon conocephalus	Hardhead		SC	Х		Х	Х						Χ	Х	Х	Х	Х	Х	Х	Х	
Oncorhynchus clarkii clarkii	coast cutthroat trout		SC				Х						Х	Х							
Oncorhynchus mykiss aguabonita	California golden trout		SC														Х				
Oncorhynchus mykiss aquilarum	Eagle Lake rainbow trout		SC													Х			Х		
Oncorhynchus mykiss irideus pop. 1	steelhead - Klamath Mountains Province DPS		SC				Х						Х	Х		Х					
Oncorhynchus mykiss irideus pop. 16	steelhead - northern California DPS (summer run)		SC				Х							Х							
Oncorhynchus mykiss irideus pop. 36	summer-run steelhead trout		SC				Χ						Х	Х							
Oncorhynchus mykiss gilberti	Kern River rainbow trout		SC														Х	Χ			
Oncorhynchus mykiss ssp. 1	Goose Lake redband trout		SC													Х			Χ		
Oncorhynchus mykiss ssp. 2	McCloud River redband trout		SC										Х			Х					
Oncorhynchus tshawytscha pop. 13	chinook salmon – Central Valley fall-run ESU		SC	Х		Х	Х						Χ	Х	Х	Х	Х	Х		Х	
Oncorhynchus tshawytscha pop. 30	chinook salmon - upper Klamath and Trinity Rivers ESU		SC				Х						Х	Х		Х					
Pogonichthys macrolepidotus	Sacramento splittail		SC	Χ		Х	Х								Х			Х		Х	
Rhinichthys osculus ssp. 1	Amargosa Canyon speckled dace		SC					Х													
Rhinichthys osculus ssp. 2	Owens speckled dace		SC					Х		Х	Х						Х				
Rhinichthys osculus ssp. 3	Santa Ana speckled dace		SC		Х			Х													Х
Rhinichthys osculus ssp. 5	Long Valley speckled dace		SC							Х											

		Legal	Status									Eco	oregion								
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Siphateles bicolor pectinifer	Lahontan Lake tui chub		SC														Х				
Siphateles bicolor ssp. 1	Eagle Lake tui chub		SC													Χ			Χ		
Siphateles bicolor thalassinus	Goose Lake tui chub		SC																Х		
Siphateles bicolor vaccaceps	Cow Head tui chub		SC									χ							Χ		