

Appendix 8.16-6

Special-Status Plant List

Special-Status Plant Species

Species	Status			Habitat Description	Bloom Period	Elevational Range	Affected by Project
	Federal	State	CNPS				
Obovate-leaved thornmint <i>Acanthomintha obovata obovata</i>	--	--	4	Chaparral, cismontane woodland, valley and foothill grassland. Heavy clay, alkaline, serpentine soils.	April-July	395-1,500 m	No
Forked fiddleneck <i>Amsinckia vernicosa furcata</i>	FSC	--	4	Cismontane woodland, valley and foothill grassland.	February-May	50-1,000 m	No
Bodie Hills rock cress <i>Arabis bodiensis</i>	FSC	--	1B	Alpine boulder and rock field, Great Basin scrub, pinyon and juniper woodland, and possibly subalpine coniferous forest.	June-August	2,195-3,530 m	No
Kern Plateau milk-vetch <i>Astragalus lentiginosus kernensis</i>	FSC	--	1B	Subalpine coniferous forest. Meadows and seeps.	June-July	2,240-2,750 m	No
Raven's milk-vetch <i>Astragalus monoensis ravenii</i>	FSC	--	1B	Alpine boulder and rock field, upper montane coniferous forest. Gravelly soils.	July-September	3,355-3,460 m	No
Heartscale <i>Atriplex cordulata</i>	FSC	--	1B	Chenopod scrub, meadows and seeps, valley and foothill grassland. Sandy/saline or alkaline soils.	April-October	1-375 m	No
Brittlescale <i>Atriplex depressa</i>	FSC	--	1B	Chenopod scrub, meadows and seeps, playas, valley and foothill grassland, vernal pools. Alkaline or clay soils.	May-October	1-320 m	No
Earlimart oracha <i>Atriplex erecticaulis</i>	FSC	--	1B	Valley and foothill grassland in southern San Joaquin valley. Alkaline soils.	August-September	40-100 m	No
Lesser saltscale <i>Atriplex minuscula</i>	FSC	--	1B	Chenopod scrub, playas, valley and foothill grassland. Alkaline or sandy soils.	May-October	15-200 m	No

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Vernal pool saltbush <i>Atriplex persistens</i>	FSC	--	1B	Vernal pools. Alkaline soils.	June-October	10-115 m	No
Subtle orache <i>Atriplex submillis</i>	FSC	--	1B	Valley and foothill grasslands.	June-October	40-100 m	No
Lost Hills saltbush (=crownscale) <i>Atriplex vallicola</i>	FSC	--	1B	Chenopod scrub, valley and foothill grasslands Vernal pools in alkaline soils.	April-August	50-63 m	No
Scalloped moonwort <i>Botrychium crenulatum</i>	FSC	--	2	Lower montane conifer forest. Meadows, seeps, marshes, and swamps.	June-September	1,500-3,280 m	No
Slender moonwort (=narrowleaf grapefern) <i>Botrychium lineare</i>	FC	--	1B	Upper montane coniferous forest. Known in CA from a single small occurrence near Piute Pass.	Unknown	2,600 m	No
Kaweah brodiaea <i>Brodiaea insignis</i>	FSC	SE	1B	Cismontane woodland, valley and foothill grassland.	April-June	150-1,400 m	No
Alkali Mariposa lily <i>Calochortus striatus</i>	FSC	--	1B	Chaparral, chenopod scrub, Mojavean desert scrub. Meadows and seeps.	April-June	70-1,595 m	No
Shirley Meadows Mariposa lily <i>Calochortus westonii</i>	FSC	--	1B	Lower montane coniferous forest. Meadows and seeps.	May-June	1,500-2,105 m	No

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Mariposa pussy-paws <i>Calyptridium pulchellum</i>	FT	--	1B	Chaparral, cismontane woodland. Sandy or gravelly, granitic soils.	April-August	400-1,220 m	No
South Coast Range morning-glory <i>Calystegia collina venusta</i>	FSC	--	4	Chaparral, cismontane woodland, valley and foothill grasslands. Serpentinite or sedimentary.	April-June	425-1,130 m	No
San Benito evening-primrose <i>Camissonia benitensis</i>	FT	--	1B	Chaparral, cismontane woodland. Serpentinite alluvium, clay or gravelly soils.	May-June	600-1,280 m	No
Mono Hot Springs evening-primrose <i>Camissonia sierrae alticola</i>	FSC	--	1B	Lower montane coniferous forest, upper montane coniferous forest. Granitic, gravel and sand pan soils.	May-August	1,340-2,410 m	No
Carpenteria (=tree-anemone) <i>Carpenteria californica</i>	--	ST	1B	Chaparral, cismontane Woodland. Usually granitic soils.	May-July	340-1,340 m	No
Succulent owl's-clover <i>Castilleja campestris succulenta</i>	FT	SE	1B	Vernal pools (often with acidic soils).	April-May	50-750 m	No
Lemmon's jewelflower <i>Caulanthus coulteri lemmonii</i>	FSC	--	1B	Pinyon and juniper woodland, valley and foothill grasslands.	March-May	80-1,220 m	No
California jewelflower <i>Caulanthus californicus</i>	FE	SE	1B	Chenopod scrub, pinyon and juniper woodland, valley and foothill grasslands. Sandy soils.	February-May	70-1,000 m	No

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Hoover's spurge <i>Chamaesyce hooveri</i>	FT	--	1B	Vernal pools.	July-August	25-250 m	No
San Benito spineflower <i>Chorizanthe biloba immemora</i>	FSC	--	1B	Chaparral, cismontane woodland.	May-September	600-800 m	No
Slough thistle <i>Cirsium crassicaule</i>	FSC	--	1B	Chenopod scrub, riparian scrub. Marshes and sloughs.	May – August	3 – 1,000 m	No
Springville clarkia <i>Clarkia springvillensis</i>	FT	SE	1B	Chaparral, cismontane woodland, valley and foothill grasslands. Granitic soils.	May-July	245-1,220 m	No
Palmate-bracted bird's-beak <i>Cordylanthus palmatus</i>	FE	SE	1B	Chenopod scrub, valley and foothill grasslands. Alkaline soils.	May-October	5-155 m	No
Fresno County bird's-beak <i>Cordylanthus tenuis barbatus</i>	FSC	--	4	Lower montane coniferous forest.	July-August	1,300-2,000 m	No
Piute cypress <i>Cupressus arizonica nevadensis</i>	FSC	--	1B	Closed-cone conifer forest, chaparral, cismontane woodland, pinyon and juniper woodland.	March-July	720-1,830 m	No
Ewan's larkspur <i>Delphinium hansenii ewanianum</i>	FSC	--	4	Cismontane woodland, valley and foothill grasslands. Rocky soils.	March-May	60-600 m	No
Recurved larkspur <i>Delphinium recurvatum</i>	FSC	--	1B	Chenopod scrub, cismontane woodland, valley and foothill grasslands. Alkaline soils.	March-May	3-750 m	No
Pierpoint Springs liveforever <i>Dudleya cymosa costafolia</i>	FSC	--	1B	Chaparral, cismontane woodland. Carbonate soils.	May-July	1,435-1600 m	No

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Hoover's eriastrum (=wooly-star) <i>Eriastrum hooveri</i>	FT	--	4	Chenopod scrub, valley and foothill grasslands. Clay soils.	March-September	100-550 m	No
Kern River daisy <i>Erigeron multiceps</i>	FSC	--	1B	Upper montane coniferous forest (openings). Meadows and seeps.	June-September	1,500-2,500 m	No
Cottony Buckwheat <i>Eriogonum gossypinum</i>	FSC	--	4	Chenopod scrub, valley and foothill grasslands. Clay soils.	March-September	100-550 m	No
Mouse buckwheat <i>Eriogonum nudum murinum</i>	FSC	--	1B	Chaparral, cismontane woodland, valley and foothill grasslands. Sandy soils.	June – November	365-1,130 m	No
Twisselmann's buckwheat <i>Eriogonum twisselmannii</i>	FSC	Rare	1B	Upper montane conifer forest. Granitic soils.	July-September	2,375-2,805 m	No
Spiny-sepaled coyote-thistle (=button-celery) <i>Eryngium spinosepalum</i>	FSC	--	1B	Valley and foothill grassland. Vernal pools.	April-May	100-255 m	No
Kaweah Lakes fawn-lily <i>Erythronium grandiflorus pus aterii</i>	FSC	--	1B	Subalpine conifer forest. Meadows and seeps.	May-July	2,100-2,775 m	No
Stinkbells <i>Fritillaria agrestis</i>	FSC	--	4	Chaparral, cismontane woodland, pinyon and juniper woodland, valley and foothill grasslands. Clay, sometimes serpentinite soils.	March-June	10-1,555 m	No
Greenhorn adobe-lily <i>Fritillaria striata</i>	FSC	ST	1B	Cismontane woodland, valley and foothill grasslands. Clay soils.	February-April	135-1,455 m	No
Serpentine bedstraw <i>Galium andrewsii gatense</i>	FSC	--	4	Chaparral, cismontane woodland, lower montane coniferous forest. Serpentine, rocky soils.	April-July	150-1,450 m	No

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Boggs Lake hedge-hyssop <i>Gratiola heterosepala</i>	--	SE	1B	Marshes and swamps (lake margins), vernal pools. Clay soils.	April- August	10-2,375 m	No
Hollisteria <i>Hollisteria lantana</i>	FSC	--	--	Grasslands with clay soils.	Unknown	15-975 m	No
Vernal Barley <i>Hordeum intercedens</i>	--	--	3	Coastal dunes, coastal scrub, valley and foothill grasslands (saline flats and depressions), vernal pools.	March - June	5 –1000 m	No
Tulare horkelia <i>Horkelia tularensis</i>	FSC	--	1B	Upper montane conifer forest. Rocky soils.	July- August	2,300-2,875 m	No
Short-leaved hulsea <i>Hulsea brevifolia</i>	FSC	--	1B	Montane conifer forest. Granitic or volcanic, gravelly or sandy soils.	May- August	1,500-3,200 m	No
Field ivesia <i>Ivesia campestris</i>	FSC	--	1B	Subalpine conifer forest upper montane conifer forest. Meadows and seeps.	June- August	1,975-3,350 m	No
Delta tule-pea <i>Lathyrus jepsonii jepsonii</i>	FSC	--	1B	Marshes and swamps (freshwater and brackish).	May- September	0-4 m	No
Rayless layia <i>Layia discoidea</i>	FSC	--	1B	Chaparral, cismontane woodland, lower montane coniferous forest. Serpentinite soils, talus and alluvial terraces.	May	795-1,585 m	No
Pale-yellow layia <i>Layia heterotricha</i>	FSC	--	1B	Cismontane woodland, pinyon and juniper woodland, valley and foothill grasslands. Alkaline or clay soils.	March- June	300-1,600 m	No

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Munz's tidy-tips <i>Layia munzii</i>	FSC	--	1B	Chenopod scrub, valley and foothill grasslands. Alkaline and clay soils.	March-April	150-700 m	No
Madera linanthus <i>Linanthus serrulatus</i>	FSC	--	1B	Cismontane woodland, lower montane conifer forest.	April-May	300-1,300 m	No
Panoche peppergrass <i>Lepidium jaredii album</i>	FSC	--	1B	Valley and foothill grasslands. Alluvial fans and washes.	February-June	185-275 m	No
Yosemite lewisia <i>Lewisia disepala</i>	FSC	--	1B	Lower montane coniferous forest, pinyon and juniper woodland, upper montane coniferous forest. Granitic, sandy soils.	March-June	1,340-3,500 m	No
Long-petaled lewisia <i>Lewisia longipetala</i>	FSC	--	1B	Alpine boulder and rock field, subalpine coniferous forest. Mesic, rocky, granitic soils.	April-July	2,500-2,925 m	No
Orange lupine <i>Lupinus citrinus citrinus</i>	FSC	--	1B	Chaparral, cismontane woodland, lower montane coniferous forest. Granitic soils.	April-July	380-1,700 m	No
DeDecker's lupine <i>Lupinus padre-crowleyi</i>	FSC	Rare	1B	Great Basin scrub, riparian forest, riparian scrub, upper montane conifer forest. Decomposing granitic soils.	July-August	3,200-4,000 m	No
Showy madia <i>Madia radiata</i>	FSC	--	1B	Cismontane woodland, valley and foothill grasslands.	March-May	25-900 m	No
Kaweah monkeyflower <i>Mimulus norrisii</i>	FSC	--	1B	Chaparral, cismontane woodland. Carbonate, rocky soils.	March-May	365-1,300 m	No

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San Joaquin wooly-threads <i>Monolopia (=Lembertia) congdonii</i>	FE	--	1B	Chenopod scrub, valley and foothill grasslands. Sandy soils.	February-May	60-800 m	No
Calico monkeyflower <i>Mimulus pictus</i>	FSC	--	1B	Cismontane woodland. Granitic soils.	March-May	100-1,300 m	No
Flax-like monardella Monardella linoides oblonga	FSC	--	1B	Montane conifer forest, pinyon and juniper woodland.	June-August	900-2,470 m	No
Little mousetail <i>Myosurus minimus apus</i>	FSC	--	3	Valley and foothill grasslands. Vernal pools with alkaline soils.	March-June	20-640 m	No
Piute Mountains navarretia <i>Navarretia setiloba</i>	FSC	--	1B	Cismontane woodland, pinyon and juniper woodland, valley and foothill grasslands. Clay or gravelly loam soils.	April-June	305-2,100 m	No
Twisselmann's nemacladus <i>Nemacladus twisselmannii</i>	FSC	--	1B	Upper montane conifer forest. Sandy or rocky granitic soils.	July	2,240-2,450 m	No
San Joaquin Valley Orcutt grass <i>Orcuttia inaequalis</i>	FT	SE	1B	Vernal pools.	April-September	30-755m	No
Hairy Orcutt grass <i>Orcuttia pilosa</i>	FE	SE	1B	Vernal pools.	May-September	55-200 m	No
Purple mountain-parsley <i>Oreonana purpurascens</i>	FSC	--	1B	Subalpine conifer forest, upper montane conifer forest. Metamorphic soils.	May-June	2,395-2,865 m	No

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Charlotte's phacelia <i>Phacelia nashiana</i>	FSC	--	1B	Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland. Granitic, sandy soils.	March-June	600-2,200 m	No
Nine Mile Canyon phacelia <i>Phacelia novemmillensis</i>	FSC	--	1B	Cismontane woodland, pinyon and juniper woodland, upper montane conifer forest. Sandy or gravelly soils.	May-June	1,645-2,640 m	No
Hartweg's golden sunburst <i>Pseudobahia bahiifolia</i>	FE	SE	1B	Cismontane woodland, valley and foothill grasslands. Clay soils.	March-April	15-50 mm	No
San Joaquin adobe sunburst <i>Pseudobahia peirsonii</i>	FT	SE	1B	Cismontane woodland, valley and foothill grasslands. Adobe clay soils.	March-April	90-800 m	No
Aromatic canyon gooseberry <i>Ribes menziesii ixoderme</i>	FSC	--	1B	Chaparral, cismontane woodland.	April	610-1,160 m	No
Sequoia gooseberry <i>Ribes tulareense</i>	FSC	--	1B	Montane conifer forest	May	1,500-2,075 m	No
Sanford's arrowhead <i>Sagittaria sanfordii</i>	--	--	1B	Marshes and swamps (assorted shallow freshwater).	May-October	<610 m	No
Keck's checker-mallow (=checkerbloom) <i>Sidalcea keckii</i>	FE	--	1B	Cismontane woodland, valley and foothill grasslands. Serpentine and clay soils.	April-May	120-425 m	No
Tehipite Valley jewelflower <i>Streptanthus fenestratus</i>	FSC	--	1B	Lower montane coniferous forest, upper montane coniferous forest.	April-July	1,065-1,750 m	No
Alpine streptanthus (=jewelflower) <i>Streptanthus gracilis</i>	FSC	--	1B	Subalpine coniferous forest, upper montane coniferous forest. Granitic rocky soils.	July-August	2,800-3,500 m	No

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Parasol (=Bolander's) clover <i>Trifolium bolanderi</i>	FSC	--	1B	Montane coniferous forest. Meadows and seeps.	June-August	2,075-2,600 m	No
Greene's tuctoria (=Orcutt grass) <i>Tuctoria greenei</i>	FE	Rare	1B	Vernal pools.	May-September	30-1,070 m	No
King's gold <i>Twisselmannia californica</i>	FCS	--	1B	Chaparral scrub. Subalkaline sandy clay soil.	March	65 m	No

Federal status:

- FE Listed as endangered under the Federal Endangered Species Act
- FT Listed as threatened under the Federal Endangered Species Act
- PE Proposed for listing as endangered under the Federal Endangered Species Act
- PT Proposed for listing as threatened under the Federal Endangered Species Act
- FC Candidate species for listing under the Federal Endangered Species Act
- FSC Species of concern as identified by the U.S. Fish and Wildlife Service

State Status:

- SE Listed as endangered under the California Endangered Species Act
- ST Listed as threatened under the California Endangered Species Act
- CSC Species of concern as identified by the California Department of Fish and Game
- Rare Species identified as rare by the California Department of Fish and Game

California Native Plant Society Status (CNPS 2003):

- 1A Plant species that are presumed extinct in California
- 1B Plant species that are rare, threatened, or endangered in California and elsewhere
- 2 Plant species that are rare, threatened, or endangered in California, but are more common elsewhere
- 3 Plant species that lack the necessary information to assign them to a listing status
- 4 Plant species that have a limited distribution or that are infrequent throughout a broader area in California