

**Appendix D:**  
**Special-Status Plant Species Known or with Potential  
to Occur in the Study Area**

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**Special-Status Plant Species Known or with Potential to Occur in the Study Area**

<b>Common Name Scientific Name</b>	<b>Status<sup>a</sup> Federal/State/ CNPS</b>	<b>Geographic Distribution</b>	<b>General Habitat Description</b>	<b>Habitat Present/ Absent</b>	<b>Rationale</b>
Brittlescale <i>Atriplex depressa</i>	-/-/1B.2	Western and eastern Central Valley and adjacent foothills on west side of Central Valley	Alkaline clay soils in chenopod scrub, playas, valley and foothill grasslands; 1-320 meters; blooms Apr-Oct	Absent	Alkaline soils absent from study area
Big-scale balsamroot <i>Balsamorhiza macrolepis</i>	-/-/1B.2	Scattered occurrences in the Coast Ranges and Sierra Nevada Foothills	Sometimes on serpentine soils in chaparral, cismontane woodland, valley and foothill grassland; 90-1,555 meters; blooms Mar-Jun	Present	Suitable California annual grassland present
California alkali grass <i>Puccinellia simplex</i>	-/-/1B.2	Tehachapi Mountain Area Subregion, Great Central Valley Region, San Francisco Bay Area Subregion, west Mojave Desert Region	Alkaline, vernal mesic; sinks, flats, and lake margins; chenopod scrub; meadows and seeps; valley and foothill grassland; vernal pools; (Saline flats, mineral springs) below 900 meters; blooms Mar-May	Absent	Alkaline soils absent from study area
Caper-fruited tropidocarpum <i>Tropidocarpum capparideum</i>	-/-/1B.1	Historically known from the northwest San Joaquin Valley and adjacent Coast Range foothills; currently known from Fresno, Monterey, and San Luis Obispo Counties	Grasslands on alkaline hills; below 455 meters; blooms Mar-Apr	Absent	Alkaline soils absent from study area

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Congdon's tarplant <i>Centromadia parryi</i> ssp. <i>congdonii</i>	-/-/1B.1	East San Francisco Bay Area, Salinas Valley, Los Osos Valley	Alkaline soils in annual grassland, on lower slopes, flats, and swales, sometimes on saline soils; below 230 meters; blooms May-Oct (Nov)	Present	Alkaline soils absent from study area, but other suitable soils and California annual grassland present
Hairless popcorn-flower <i>Plagiobothrys glaber</i>	-/-/1A	Coastal valleys from Marin County to San Benito Counties	Alkaline meadows and seeps, coastal salt marsh and swamps; 15-180 meters; blooms Mar-May	Absent	Alkaline soils and coastal salt marsh and swamps absent from study area
Lesser saltscale <i>Atriplex minuscula</i>	-/-/1B.1	Sacramento and San Joaquin Valley, Butte County and from Merced County to Kern County	Sandy alkaline soils in chenopod scrub, playas, valley and foothill grassland; 15-200 meters; blooms May-Oct	Absent	Alkaline soils absent from study area
Livermore tarplant <i>Deinandra bacigalupii</i>	-/-/1B.2	Endemic to Alameda County (Livermore Valley)	Alkaline meadows and seeps, not in Jepson Manual; 150-185 meters; blooms Jun-Oct	Absent	Alkaline soils absent from study area
Palmate-bracted bird's-beak <i>Chloropyron palmatum</i>	E/E/1B.1	Livermore Valley and scattered locations in the Central Valley from Colusa County to Fresno County	Alkaline sites in grassland and chenopod scrub; 5-155 meters; blooms May-Oct	Absent	Alkaline soils absent from study area
Prostrate vernal pool navarretia <i>Navarretia prostrata</i>	-/-/1B.1	Western San Joaquin Valley, interior South Coast Ranges, central South Coast, Peninsular Ranges: Alameda, Los Angeles, Merced, Monterey, Orange, Riverside, San Bernardino*?, San Diego, and San Luis Obispo Counties	Vernal pools and mesic areas in coastal scrub and alkali grasslands; 15-1210 meters; blooms Apr-Jul	Present	Suitable vernal pool and mesic features present in study area

<b>Common Name</b> <b>Scientific Name</b>	<b>Status<sup>a</sup></b> <b>Federal/State/ CNPS</b>	<b>Geographic Distribution</b>	<b>General Habitat Description</b>	<b>Habitat Present/ Absent</b>	<b>Rationale</b>
Saline clover <i>Trifolium hydrophilum</i>	-/-/1B.2	Sacramento Valley, central western California	Salt marsh, mesic alkaline areas in valley and foothill grasslands, vernal pools, marshes and swamps; below 300 meters; blooms Apr-June	Absent	Alkaline soils and salt marsh absent from study area
San Joaquin spearscale <i>Extriplex joaquinana</i>	-/-/1B.2	West edge of Central Valley from Glenn County to Tulare County	Alkaline soils in chenopod scrub, meadows and seeps, playas, valley and foothill grassland; 1-835 meters; blooms Apr-Oct	Absent	Alkaline soils absent from study area

\* = populations extirpated in the county.

<sup>a</sup> Status explanations:

Federal

E = listed as endangered under the federal Endangered Species Act (ESA).

T = listed as threatened under ESA.

-- = no listing.

State

E = listed as endangered under the California Endangered Species Act (CESA).

R = listed as rare under CESA

-- = no listing.

California Native Plant Society (CNPS) California Rare Plant Rank

1A = List 1A species: plants presumed extirpated in California and either rare or extinct elsewhere.

1B = List 1B species: plants rare, threatened, or endangered in California and elsewhere.

2B = List 2B species: plants rare, threatened, or endangered in California, but more common elsewhere.

CNPS Code Extensions:

0.1 = seriously endangered in California (over 80% of occurrences threatened/high degree and immediacy of threat).

0.2 = fairly endangered in California (20-80% of occurrences threatened).

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

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