

Appendix C: Special Status Plant Scoping List

Scientific Name	Common Name	Habitat	Habitat In Project Area?	GRANK ¹	SRANK ²	Rare Plant Rank ³	FED List	CAL List
<i>Abronia umbellata</i> var. <i>breviflora</i>	pink sand-verbena	<ul style="list-style-type: none"> Coastal dunes 	Yes	G4G5T2	S2.1	1B.1	None	None
<i>Agrostis blasdalei</i>	Blasdale's bent grass	<ul style="list-style-type: none"> Coastal bluff scrub Coastal dunes Coastal prairie 	Yes	G2	S2.2	1B.2	None	None
<i>Angelica lucida</i>	sea-watch	<ul style="list-style-type: none"> Coastal bluff scrub Coastal dunes Coastal scrub Marshes and swamps (coastal salt) 	Yes	G5	S2S3	4.2	None	None
<i>Arctostaphylos nummularia</i> ssp. <i>mendocinoensis</i>	pygmy manzanita	<ul style="list-style-type: none"> Closed-cone coniferous forest (acidic sandy clay) 	No, pygmy forest	G3?T1	S1	1B.2	None	None
<i>Astragalus agnicidus</i>	Humboldt milk-vetch	<ul style="list-style-type: none"> openings, disturbed areas, sometimes roadsides. Broadleafed upland forest North Coast coniferous forest 	No, forest habitat	G2	S2.1	1B.1	None	Endangered
<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i>	coastal marsh milk-vetch	<ul style="list-style-type: none"> Coastal dunes (mesic) Coastal scrub Marshes and swamps (coastal salt, streamsides) 	Yes	G2T2	S2.2	1B.2	None	None
<i>Blennosperma nanum</i> var. <i>robustum</i>	Point Reyes blennosperma	<ul style="list-style-type: none"> Coastal prairie Coastal scrub 	No	G4T1	S1.2	1B.2	None	Rare
<i>Boschniakia hookeri</i>	small groundcone	<ul style="list-style-type: none"> North Coast coniferous forest 	No, usually redwood	G5	S1S2	2.3	None	None
<i>Calamagrostis bolanderi</i>	Bolander's reed grass	<ul style="list-style-type: none"> mesic. Bogs and fens Broadleafed upland forest Closed-cone coniferous forest Coastal scrub Meadows and seeps (mesic) Marshes and swamps (freshwater) North Coast coniferous forest 	Yes	G3	S3.2	4.2	None	None
<i>Calamagrostis crassiglumis</i>	Thurber's reed grass	<ul style="list-style-type: none"> Coastal scrub (mesic) Marshes and swamps (freshwater) 	Yes	G3Q	S1.2	2.1	None	None
<i>Calamagrostis foliosa</i>	leafy reed grass	<ul style="list-style-type: none"> Coastal bluff scrub (rocky) North Coast coniferous forest 	No	G3	S3.2	4.2	None	Rare

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<i>Calystegia purpurata</i> ssp. <i>saxicola</i>	coastal bluff morning-glory	<ul style="list-style-type: none"> • Coastal dunes • Coastal scrub • North Coast coniferous forest 	No, out of range	G4T2	S2.2	1B.2	None	None
<i>Campanula californica</i>	swamp harebell	<ul style="list-style-type: none"> • Bogs and fens • Closed-cone coniferous forest • Coastal prairie • Meadows and seeps • Marshes and swamps (freshwater) • North Coast coniferous forest Many occurrences have few plants. 	Yes	G3	S3	1B.2	None	None
<i>Carex californica</i>	California sedge	<ul style="list-style-type: none"> • Bogs and fens • Closed-cone coniferous forest • Coastal prairie • Meadows and seeps • Marshes and swamps (margins) 	Marginal	G5	S2?	2.3	None	None
<i>Carex lenticularis</i> var. <i>limnophila</i>	lagoon sedge	<ul style="list-style-type: none"> • Shores, beaches; often gravelly • Bogs and fens • Marshes and swamps • North Coast coniferous forest 	Yes	G5T5	S1S2.2	2.2	None	None
<i>Carex livida</i>	livid sedge	<ul style="list-style-type: none"> • Bogs and fens 	Yes	G5	SH	1A	None	None
<i>Carex lyngbyei</i>	Lyngbye's sedge	<ul style="list-style-type: none"> • Marshes and swamps (brackish or freshwater) 	Yes	G5	S2.2	2.2	None	None
<i>Carex saliniformis</i>	deceiving sedge	<ul style="list-style-type: none"> • Mesic sites • Coastal prairie • Coastal scrub • Meadows and seeps • Marshes and swamps (coastal salt) 	Yes	G2	S2.2	1B.2	None	None
<i>Carex viridula</i> var. <i>viridula</i>	green yellow sedge	<ul style="list-style-type: none"> • Marshes and swamps (freshwater) • North Coast coniferous forest (mesic) 	Yes	G5T5	S1.3	2.3	None	None
<i>Castilleja affinis</i> ssp. <i>litoralis</i>	Oregon coast paintbrush	<ul style="list-style-type: none"> • Sandy sites • Coastal bluff scrub • Coastal dunes • Coastal scrub 	Yes	G4G5T4	S2.2	2.2	None	None
<i>Castilleja ambigua</i> ssp. <i>humboldtensis</i>	Humboldt Bay owl's-clover	<ul style="list-style-type: none"> • Marshes and swamps (coastal salt) 	Yes	G4T2	S2.2	1B.2	None	None

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<i>Castilleja mendocinensis</i>	Mendocino Coast paintbrush	<ul style="list-style-type: none"> • Coastal bluff scrub • Closed-cone coniferous forest • Coastal dunes • Coastal prairie • Coastal scrub 	Yes	G2	S2.2	1B.2	None	None
<i>Ceanothus gloriosus</i> var. <i>exaltatus</i>	glory bush	<ul style="list-style-type: none"> • Chaparral 	No	G3G4T3	S3.3	4.3	None	None
<i>Ceanothus gloriosus</i> var. <i>gloriosus</i>	Point Reyes ceanothus	<ul style="list-style-type: none"> • Sandy • Coastal bluff scrub • Closed-cone coniferous forest • Coastal dunes • Coastal scrub 	Yes	G3G4T3	S3.3	4.3	None	None
<i>Chorizanthe howellii</i>	Howell's spineflower	<ul style="list-style-type: none"> • Sandy, often disturbed areas • Coastal dunes • Coastal prairie • Coastal scrub 	Yes	G1	S1.2	1B.2	Endangered	Threatened
<i>Clarkia amoena</i> ssp. <i>whitneyi</i>	Whitney's farewell-to-spring	<ul style="list-style-type: none"> • Coastal bluff scrub • Coastal scrub 	Yes	G5T2	S2.1	1B.1	None	None
<i>Collinsia corymbosa</i>	round-headed Chinese-houses	<ul style="list-style-type: none"> • Coastal dunes 	Yes	G1	S1.2	1B.2	None	None
<i>Coptis laciniata</i>	Oregon goldthread	<ul style="list-style-type: none"> • Meadows and seeps • North Coast coniferous forest streambanks 	No, not in coastal dune seeps	G4G5	S3	2.2	None	None
<i>Erigeron supplex</i>	supple daisy	<ul style="list-style-type: none"> • Coastal bluff scrub • Coastal prairie 	Marginal	G1	S1.1	1B.2	None	None
<i>Erysimum menziesii</i> ssp. <i>menziesii</i>	Menzies' wallflower	<ul style="list-style-type: none"> • Coastal dunes 	Yes	G3?T2	S2.1	1B.1	Endangered	Endangered
<i>Erythronium revolutum</i>	coast fawn lily	<ul style="list-style-type: none"> • Bogs and fens • Broadleafed upland forest • North Coast coniferous forest 	Marginal	G4	S2S3	2.2	None	None
<i>Fritillaria roderickii</i>	Roderick's fritillary	<ul style="list-style-type: none"> • Coastal bluff scrub • Coastal prairie • Valley and foothill grassland 	No, no wet clay soils	G1Q	S1.1	1B.1	None	Endangered
<i>Gilia capitata</i> ssp. <i>chamissonis</i>	blue coast gilia	<ul style="list-style-type: none"> • Coastal dunes • Coastal scrub 	Yes	G5T2	S2.1	1B.1	None	None

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<i>Gilia capitata</i> ssp. <i>pacifica</i>	Pacific gilia	<ul style="list-style-type: none"> • Coastal bluff scrub • Chaparral (openings) • Coastal prairie • Valley and foothill grassland 	Yes	G5T3T4	S2.2?	1B.2	None	None
<i>Gilia capitata</i> ssp. <i>tomentosa</i>	woolly-headed gilia	<ul style="list-style-type: none"> • Coastal bluff scrub • Valley and foothill grassland • Rocky, outcrops. 	No, no rocky coastal scrub	G5T1	S1.1	1B.1	None	None
<i>Gilia millefoliata</i>	dark-eyed gilia	<ul style="list-style-type: none"> • Coastal dunes 	Yes	G2	S2.2	1B.2	None	None
<i>Glyceria grandis</i>	American manna grass	<ul style="list-style-type: none"> • Bogs and fens • Meadows and seeps • Marshes and swamps (streambanks and lake margins) 	Yes	G5	S1.3?	2.3	None	None
<i>Hemizonia congesta</i> ssp. <i>congesta</i>	seaside tarplant	<ul style="list-style-type: none"> • Valley and foothill grassland • Sometimes roadsides 	No	G5T2T3	S2S3	1B.2	None	None
<i>Hesperervax sparsiflora</i> var. <i>brevifolia</i>	short-leaved evax	<ul style="list-style-type: none"> • Coastal bluff scrub (sandy) • Coastal dunes 	Yes	G4T2T3	S2S3	1B.2	None	None
<i>Hesperocyparis pygmaea</i>	pygmy cypress	<ul style="list-style-type: none"> • Closed-cone coniferous forest (usually podzol-like soil) 	No	G2	S2	1B.2	None	None
<i>Horkelia marinensis</i>	Point Reyes horkelia	<ul style="list-style-type: none"> • Coastal dunes • Coastal prairie • Coastal scrub • Sandy sites 	Yes	G2	S2.2	1B.2	None	None
<i>Horkelia tenuiloba</i>	thin-lobed horkelia	<ul style="list-style-type: none"> • Broadleaved upland forest • Chaparral • Valley and foothill grassland mesic openings, sandy. • Mesic openings, sandy. 	No, not in sandy dunes	G2	S2.2	1B.2	None	None
<i>Juncus supiniformis</i>	hair-leaved rush	<ul style="list-style-type: none"> • Bogs and fens • Marshes and swamps (freshwater) 	Yes	G5	S2.2?	2.2	None	None
<i>Lasthenia californica</i> ssp. <i>bakeri</i>	Baker's goldfields	<ul style="list-style-type: none"> • Closed-cone coniferous forest (openings) • Coastal scrub • Meadows and seeps • Marshes and swamps 	Yes	G3TH	SH	1B.2	None	None
<i>Lasthenia californica</i> ssp. <i>macrantha</i>	perennial goldfields	<ul style="list-style-type: none"> • Coastal bluff scrub • Coastal dunes • Coastal scrub 	Yes	G3T2	S2.2	1B.2	None	None

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<i>Lasthenia conjugens</i>	Contra Costa goldfields	<ul style="list-style-type: none"> • Cismontane woodland • Playas (alkaline) • Valley and foothill grassland • Vernal pools 	No	G1	S1.1	1B.1	Endangered	None
<i>Lilium maritimum</i>	coast lily	<ul style="list-style-type: none"> • Broadleafed upland forest • Closed-cone coniferous forest • Coastal prairie • Coastal scrub • Marshes and swamps (freshwater) • North Coast coniferous forest • Sometimes roadsides 	Yes	G2	S2	1B.1	None	None
<i>Lotus formosissimus</i>	harlequin lotus	<ul style="list-style-type: none"> • Wetlands, roadsides • Broadleafed upland forest • Coastal bluff scrub • Closed-cone coniferous forest • Cismontane woodland • Coastal prairie • Coastal scrub • Meadows and seeps • Marshes and swamps • North Coast coniferous forest • Valley and foothill grassland 	Yes	G4	S3.2	4.2	None	None
<i>Lycopodium clavatum</i>	running-pine	<ul style="list-style-type: none"> • Lower montane coniferous forest (mesic) • Marshes and swamps • North Coast coniferous forest (mesic) • often edges, openings, and roadsides 	No, not coastal fen	G5	S4.1	4.1	None	None
<i>Microseris borealis</i>	northern microseris	<ul style="list-style-type: none"> • Bogs and fens • Lower montane coniferous forest • Meadows and seeps • mesic 	No, not in low elevation	G4?	S1.1	2.1	None	None
<i>Microseris paludosa</i>	marsh microseris	<ul style="list-style-type: none"> • Lower montane coniferous forest (mesic) • Marshes and swamps • North Coast coniferous forest (mesic) • often edges, openings, and roadsides 	No, out of range	G2	S2.2	1B.2	None	None
<i>Mitella caulescens</i>	leafy-stemmed mitrewort	<ul style="list-style-type: none"> • Broadleafed upland forest • Lower montane coniferous forest • Meadows and seeps • North Coast coniferous forest • Mesic sites, and roadsides 	No	G5	S4.2	4.2	None	None

Scientific Name	Common Name	Habitat	Habitat In Project Area?	GRANK ¹	SRANK ²	Rare Plant Rank ³	FED List	CAL List
<i>Oenothera wolffii</i>	Wolf's evening-primrose	<ul style="list-style-type: none"> • Coastal bluff scrub • Coastal dunes • Coastal prairie • Lower montane coniferous forest • sandy, usually mesic 	Yes	G1	S1.1	1B.1	None	None
<i>Packera bolanderi</i> var. <i>bolanderi</i>	seacoast ragwort	<ul style="list-style-type: none"> • Coastal scrub • North Coast coniferous forest • Sometimes roadsides 	No	G4T4	S1.2	2.2	None	None
<i>Phacelia insularis</i> var. <i>continentis</i>	North Coast phacelia	<ul style="list-style-type: none"> • Coastal bluff scrub • Coastal dunes • sandy, sometimes rocky 	Yes	G2T1	S1.2	1B.2	None	None
<i>Pinus contorta</i> ssp. <i>bolanderi</i>	Bolander's beach pine	<ul style="list-style-type: none"> • Closed-cone coniferous forest (podzol-like soil) 	No, pygmy forests	G5T2	S2	1B.2	None	None
<i>Pleuropogon hooverianus</i>	North Coast semaphore grass	<ul style="list-style-type: none"> • Broadleaved upland forest • Meadows and seeps • North Coast coniferous forest • Open areas, mesic. 	No, found in forests	G1	S1.1	1B.1	None	Threatened
<i>Pleuropogon refractus</i>	nodding semaphore grass	<ul style="list-style-type: none"> • Mesic • Lower montane coniferous forest • Meadows and seeps • North Coast coniferous forest • Riparian forest 	No, riparian forests on site not open	G4	S3.2?	4.2	None	None
<i>Puccinellia pumila</i>	dwarf alkali grass	<ul style="list-style-type: none"> • Marshes and swamps (coastal salt) 	Yes	G4?	S1.1?	2.2	None	None
<i>Rhynchospora alba</i>	white beaked-rush	<ul style="list-style-type: none"> • Bogs and fens • Meadows and seeps • Marshes and swamps (freshwater) 	Yes	G5	S2	2.2	None	None
<i>Sanguisorba officinalis</i>	great burnet	<ul style="list-style-type: none"> often serpentinite • Bogs and fens • Broadleaved upland forest • Meadows and seeps • Marshes and swamps • North Coast coniferous forest • Riparian forest 	Yes	G5?	S2.2	2.2	None	None
<i>Sidalcea calycosa</i> ssp. <i>rhizomata</i>	Point Reyes checkerbloom	<ul style="list-style-type: none"> • Marshes and swamps (freshwater, near coast) 	No, not typical wetland habitat	G5T2	S2.2	1B.2	None	None

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<i>Sidalcea malachroides</i>	maple-leaved checkerbloom	<ul style="list-style-type: none"> • Broadleafed upland forest • Coastal prairie • Coastal scrub • North Coast coniferous forest • Riparian woodland • often in disturbed areas 	Marginal	G3G4	S3S4.2	4.2	None	None
<i>Sidalcea malviflora</i> ssp. <i>patula</i>	Siskiyou checkerbloom	<ul style="list-style-type: none"> • Coastal bluff scrub • Coastal prairie • North Coast coniferous forest • often roadcuts 	Marginal	G5T2	S2	1B.2	None	None
<i>Sidalcea malviflora</i> ssp. <i>purpurea</i>	purple-stemmed checkerbloom	<ul style="list-style-type: none"> • Broadleafed upland forest • Coastal prairie 	Marginal	G5T2	S2.2	1B.2	None	None
<i>Triquetrella californica</i>	coastal triquetrella	<ul style="list-style-type: none"> • Coastal bluff scrub • Coastal scrub 	Yes	G1	S1	1B.2	None	None
<i>Usnea longissima</i>	long-beard lichen	<ul style="list-style-type: none"> • Semi-open canopy forests • Old-growth forests 	No	G4	S4.2	None	None	None
<i>Veratrum fimbriatum</i>	fringed false-hellebore	<ul style="list-style-type: none"> • Mesic • Bogs and fens • Coastal scrub • Meadows and seeps • North Coast coniferous forest 	Yes	G3	S3.3	4.3	None	None
<i>Viola palustris</i>	alpine marsh violet	<ul style="list-style-type: none"> • Bogs and fens (coastal) • Coastal scrub (mesic) . 	Yes	G5	S1S2	2.2	None	None

¹Global Ranking

The *global rank* (G-rank) is a reflection of the overall status of an element throughout its global range.

Both Global and State ranks represent a letter+number score that reflects a combination of Rarity, Threat and Trend factors, with weighting being heavier on Rarity than the other two.

SPECIES OR NATURAL COMMUNITY LEVEL

G1 = Critically Imperiled—At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors.

G2 = Imperiled—At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors.

G3 = Vulnerable—At moderate risk of extinction due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors.

G4 = Apparently Secure—Uncommon but not rare; some cause for long-term concern due to declines or other factors.

G5 = Secure—Common; widespread and abundant.

Subspecies Level

Subspecies receive a **T-rank** attached to the G-rank. With the subspecies, the G-rank reflects the condition of the entire species, whereas the T-rank reflects the global situation of just the subspecies or variety. For example: *Chorizanthe robusta* var. *hartwegii*. This plant is ranked G2T1. The G-rank refers to the whole species range i.e., *Chorizanthe robusta*. The T-rank refers only to the global condition of var. *hartwegii*.

²State Ranking

The *state rank* (S-rank) is assigned much the same way as the global rank, but state ranks refer to the imperilment status only within California's state boundaries.

S1 = Critically Imperiled—Critically imperiled in the state because of extreme rarity (often 5 or fewer occurrences) or because of some factor(s) such as very steep declines making it especially vulnerable to extirpation from the state/province.

S2 = Imperiled—Imperiled in the state because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the nation or state/province.

S3 = Vulnerable—Vulnerable in the state due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation.

S4 = Apparently Secure—Uncommon but not rare; some cause for long-term concern due to declines or other factors.

S5 = Secure—Common, widespread, and abundant in the state.

² The California Rare Plant Ranks

1A. Presumed extinct in California

1B. Rare or Endangered in California and elsewhere

2. Rare or Endangered in California, more common elsewhere

3. Plants for which we need more information - Review list

4. Plants of limited distribution - Watch list

Threat ranks:

The CRPR's use a decimal-style threat rank. This extension replaces the E (Endangerment) value from the R-E-D Code. Rare Plant Ranks therefore read like this: 1B.1, 1B.2, etc.

New Threat Code extensions and their meanings:

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

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

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

Note that all List 1A (presumed extinct in California) and some List 3 (need more information- a review list) plants lacking any threat information receive no threat code extension.

List of rare plants with the potential for occurrence in the project area was derived from “Special Vascular Plants, Bryophytes, and Lichens List” (DFG 2011a), RareFind (DFG 2011b), BIOS (DFG 2011c), and the California Native Plant Society’s Online Inventory of Rare and Endangered Plants (CNPS 2011).