

Dear Mendocino County Board of Supervisors,

I sit on the board of the Sanhedrin Chapter, California Native Plant Society. Although our comments have been thoroughly addressed in a submitted letter, I wanted to point out the documented rare plant species that are found across the county. The attached spreadsheet contains a current list of these rare species queried from the California Natural Diversity Database. The goal of the CNDDDB is to provide the most current information available on the state's most imperiled elements of natural diversity. The list is arranged in order of their degree of rarity or California Rare Plant Rank (CRPR), ie. "1A" being most rare, and representing those species found within Mendocino County. Glancing at the list it's apparent that many occur within habitat common to the county's lands zoned rangeland (RL), such as oak woodland, chaparral, grassland, and associated seasonal wetlands. All of the plants constituting California Rare Plant Ranks 1A - 2B and many CRPR 3 and 4 plants meet the definitions of the California Endangered Species Act of the California Fish and Game Code, and are eligible for state listing. Impacts to these species or their habitat must be analyzed during preparation of environmental documents relating to CEQA, or those considered to be functionally equivalent to CEQA, as they meet the definition of Rare or Endangered under CEQA Guidelines §15125; (c) and/or §15380.

Thank you for your consideration,

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CNDDDB query of rare plants occurring within Mendocino County. Query conducted April 18, 2021 by Kerry Heise  
 California Native Plant Society, Rare Plant Program. 2021. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website <http://www.rareplants.cnps.org> [accessed 18 April 2021].

Scientific Name	Common Name	Family	CRPR	Habitat	Micro Habitat	Counties
<i>Malacothamnus mendocinensis</i>	Mendocino bush-mallow	Malvaceae	1A	Chaparral	Rocky, roadsides	MEN
<i>Plagiobothrys lithocaryus</i>	Mayacamas popcornflower	Boraginaceae	1A	Chaparral, Cismontane woodland, Valley and foothill grassland	mesic	LAK, MEN
<i>Abronia umbellata</i> var. <i>breviflora</i>	pink sand-verbena	Nyctaginaceae	1B.1	Coastal dunes		DNT, HUM, MEN, MRN, SON
<i>Arabis mcdonaldiana</i>	McDonald's rockcress	Brassicaceae	1B.1	Lower montane coniferous forest, Upper montane coniferous forest	serpentine	DNT, MEN, SIS, TRI
<i>Arctostaphylos stanfordiana</i> ssp. <i>raichei</i>	Raiche's manzanita	Ericaceae	1B.1	Chaparral, Lower montane coniferous forest (openings)	rocky, often serpentine	LAK, MEN
<i>Astragalus agnicidus</i>	Humboldt County milk-vetch	Fabaceae	1B.1	Broadleaved upland forest, North Coast coniferous forest	openings, disturbed areas, sometimes roadsides	HUM, MEN
<i>Blennosperma bakeri</i>	Sonoma sunshine	Asteraceae	1B.1	Valley and foothill grassland (mesic), Vernal pools		MEN, SON
<i>Ceanothus confusus</i>	Rincon Ridge ceanothus	Rhamnaceae	1B.1	Closed-cone coniferous forest, Chaparral, Cismontane woodland	volcanic or serpentine	LAK, MEN, NAP, SON
<i>Ceanothus foliosus</i> var. <i>vineatus</i>	Vine Hill ceanothus	Rhamnaceae	1B.1	Chaparral		MEN, SON
<i>Clarkia amoena</i> ssp. <i>whitneyi</i>	Whitney's farewell-to-spring	Onagraceae	1B.1	Coastal bluff scrub, Coastal scrub		HUM, MEN
<i>Cryptantha excavata</i>	deep-scarred cryptantha	Boraginaceae	1B.1	Cismontane woodland (sandy or gravelly)		COL, LAK, MEN, YOL
<i>Erysimum menziesii</i>	Menzies? wallflower	Brassicaceae	1B.1	Coastal dunes		HUM, MEN, MNT
<i>Fritillaria roderickii</i>	Roderick's fritillary	Liliaceae	1B.1	Coastal bluff scrub, Coastal prairie, Valley and foothill grassland		MEN, SON
<i>Harmonia guggolziorum</i>	Guggolz' harmonia	Asteraceae	1B.1	Chaparral (open areas, serpentine)		MEN
<i>Lasthenia burkei</i>	Burke's goldfields	Asteraceae	1B.1	Meadows and seeps (mesic), Vernal pools		LAK, MEN, NAP, SON
<i>Lasthenia conjugens</i>	Contra Costa goldfields	Asteraceae	1B.1	Cismontane woodland, Playas (alkaline), Valley and foothill grassland, Vernal pools	mesic	ALA, CCA, MEN, MNT, MRN, NAP, SBA, SCL, SOL, SON
<i>Lilium maritimum</i>	coast lily	Liliaceae	1B.1	Broadleaved upland forest, Closed-cone coniferous forest, Coastal prairie, Coastal scrub, Marshes and swamps (freshwater), North Coast coniferous forest	sometimes roadside	MEN, MRN, SFO, SMT, SON
<i>Limnanthes bakeri</i>	Baker's meadowfoam	Limnathaceae	1B.1	Meadows and seeps, Marshes and swamps (freshwater), Valley and foothill grassland (vernally mesic), Vernal pools		MEN
<i>Lupinus milo-bakeri</i>	Milo Baker's lupine	Fabaceae	1B.1	Cismontane woodland (often along roadsides), Valley and foothill grassland		COL, MEN
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia	Polemoniaceae	1B.1	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland, Vernal pools	Mesic	COL, GLE, LAK, LAS, MEN, MRN, NAP, SOL, SON, SUT, TEH, YOL
<i>Oenothera wolfii</i>	Wolf's evening-primrose	Onagraceae	1B.1	Coastal bluff scrub, Coastal dunes, Coastal prairie, Lower montane coniferous forest	sandy, usually mesic	DNT, HUM, MEN, TRI
<i>Pleuropogon Hooverianus</i>	North Coast semaphore grass	Poaceae	1B.1	Broadleaved upland forest, Meadows and seeps, North Coast coniferous forest	open areas, mesic	MEN, MRN, SON
<i>Trifolium buckwestiorum</i>	Santa Cruz clover	Fabaceae	1B.1	Broadleaved upland forest, Cismontane woodland, Coastal prairie	gravelly, margins	MEN, MNT, SCL, SCR, SMT, SON
<i>Trifolium trichocalyx</i>	Monterey clover	Fabaceae	1B.1	Closed-cone coniferous forest (sandy, openings, burned areas)		MEN, MNT
<i>Agrostis blasdalei</i>	Blasdale's bent grass	Poaceae	1B.2	Coastal bluff scrub, Coastal dunes, Coastal prairie		MEN, MNT, MRN, SCR, SMT, SON
<i>Allium peninsulare</i> var. <i>franciscanum</i>	Franciscan onion	Alliaceae	1B.2	Cismontane woodland, Valley and foothill grassland	clay, volcanic, often serpentine	MEN, NAP, SCL, SMT, SON
<i>Arctostaphylos nummularia</i> ssp. <i>mendocino</i>	pygmy manzanita	Ericaceae	1B.2	Closed-cone coniferous forest (acidic sandy clay)		MEN
<i>Astragalus rattanii</i> var. <i>jepsonianus</i>	Jepson's milk-vetch	Fabaceae	1B.2	Chaparral, Cismontane woodland, Valley and foothill grassland	often serpentine	COL, GLE, LAK, MEN, NAP, SBT, SON, TEH, YOL
<i>Blennosperma nanum</i> var. <i>robustum</i>	Point Reyes blennosperma	Asteraceae	1B.2	Coastal prairie, Coastal scrub		MEN, MRN
<i>Calystegia collina</i> ssp. <i>tridactylosa</i>	three-fingered morning-glory	Convolvulaceae	1B.2	Chaparral, Cismontane woodland	serpentine, rocky, gravelly, openings	COL, LAK, MEN
<i>Calystegia purpurata</i> ssp. <i>saxicola</i>	coastal bluff morning-glory	Convolvulaceae	1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, North Coast coniferous forest		CCA, LAK, MEN, MRN, SON
<i>Campanula californica</i>	swamp harebell	Campanulaceae	1B.2	Bogs and fens, Closed-cone coniferous forest, Coastal prairie, Meadows and seeps, Marshes and swamps (freshwater), North Coast coniferous forest	mesic	MEN, MRN, SCR, SON
<i>Carex saliniformis</i>	deceiving sedge	Cyperaceae	1B.2	Coastal prairie, Coastal scrub, Meadows and seeps, Marshes and swamps (coastal salt)	mesic	HUM, MEN, SCR, SON

Castilleja ambigua var. humboldtensis	Humboldt Bay owl's-clover	Orobanchaceae	1B.2	Marshes and swamps (coastal salt)		HUM, MEN, MRN
Castilleja mendocinensis	Mendocino Coast paintbrush	Orobanchaceae	1B.2	Coastal bluff scrub, Closed-cone coniferous forest, Coastal dunes, Coastal prairie, Coastal scrub		HUM, MEN
Chorizanthe howellii	Howell's spineflower	Polygonaceae	1B.2	Coastal dunes, Coastal prairie, Coastal scrub	sandy, often disturbed areas	MEN
Collinsia corymbosa	round-headed Chinese-houses	Plantaginaceae	1B.2	Coastal dunes		HUM, MEN, MRN, SCL, SFO, SON
Cryptantha dissita	serpentine cryptantha	Boraginaceae	1B.2	Chaparral (serpentinite)		COL, LAK, MEN, NAP, SHA, SIS, SON
Cuscuta pacifica var. papillata	Mendocino dodder	Convolvulaceae	1B.2	Coastal dunes (interdune depressions)		MEN, SON
Epilobium nivium	Snow Mountain willowherb	Onagraceae	1B.2	Chaparral, Upper montane coniferous forest	rocky	COL, GLE, LAK, MEN, TEH, TRI
Epilobium oreganum	Oregon fireweed	Onagraceae	1B.2	Bogs and fens, Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest	mesic	DNT, ELD, GLE, HUM, MEN, NEV, PLA, SHA, SIS, TEH, TRI
Erigeron supplex	supple daisy	Asteraceae	1B.2	Coastal bluff scrub, Coastal prairie		HUM, MEN, MRN, SON
Eriogonum kelloggii	Kellogg's buckwheat	Polygonaceae	1B.2	Lower montane coniferous forest (rocky, serpentinite)		MEN
Erysimum concinnum	bluff wallflower	Brassicaceae	1B.2	Coastal bluff scrub, Coastal dunes, Coastal prairie		DNT, HUM, MEN, MRN, SON
Fissidens pauperculus	minute pocket moss	Fissidentaceae	1B.2	North Coast coniferous forest (damp coastal soil)		ALA, BUT, DNT, HUM, MEN, MRN, SCR, SMT, SON, YUB
Gentiana setigera	Mendocino gentian	Gentianaceae	1B.2	Lower montane coniferous forest, Meadows and seeps	mesic	DNT, MEN
Gilia capitata ssp. pacifica	Pacific gilia	Polemoniaceae	1B.2	Coastal bluff scrub, Chaparral (openings), Coastal prairie, Valley and foothill grassland		DNT, HUM, MEN, SON
Gilia millefoliata	dark-eyed gilia	Polemoniaceae	1B.2	Coastal dunes		ALA, DNT, HUM, MEN, MRN, SFO, SMT, SON
Gratiola heterosepala	Boggs Lake hedge-hyssop	Plantaginaceae	1B.2	Marshes and swamps (lake margins), Vernal pools	clay	FRE, LAK, LAS, MAD, MEN, MER, MOD, PLA, SAC, SHA, SIS, SJQ, SOL, SON, TEH
Hemizonia congesta ssp. congesta	congested-headed hayfield tarplant	Asteraceae	1B.2	Valley and foothill grassland	sometimes roadsides	LAK, MEN, MRN, SFO, SMT, SON
Hesperovax sparsiflora var. brevifolia	short-leaved evax	Asteraceae	1B.2	Coastal bluff scrub (sandy), Coastal dunes, Coastal prairie		DNT, HUM, MEN, MRN, SCR, SFO, SMT, SON
Hesperocyparis pygmaea	pygmy cypress	Cupressaceae	1B.2	Closed-cone coniferous forest (usually podzol-like soil)		MEN, SON
Hesperolinon adenophyllum	glandular western flax	Linaceae	1B.2	Chaparral, Cismontane woodland, Valley and foothill grassland	usually serpentinite	HUM, LAK, MEN
Horkelia bolanderi	Bolander's horkelia	Rosaceae	1B.2	Chaparral, Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland	edges, vernal mesic areas	COL, LAK, MEN
Horkelia marinensis	Point Reyes horkelia	Rosaceae	1B.2	Coastal dunes, Coastal prairie, Coastal scrub	sandy	MEN, MNT, MRN, SCR, SMT, SON
Horkelia tenuiloba	thin-lobed horkelia	Rosaceae	1B.2	Broadleafed upland forest, Chaparral, Valley and foothill grassland	mesic openings, sandy	MEN, MRN, SON
Lasthenia californica ssp. bakeri	Baker's goldfields	Asteraceae	1B.2	Closed-cone coniferous forest (openings), Coastal scrub, Meadows and seeps, Marshes and swamps		MEN, MRN, SLO, SON
Lasthenia californica ssp. macrantha	perennial goldfields	Asteraceae	1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub		DNT, HUM, MEN, MRN, SCR, SLO, SMT, SON
Layia septentrionalis	Colusa layia	Asteraceae	1B.2	Chaparral, Cismontane woodland, Valley and foothill grassland	sandy, serpentinite	BUT, COL, GLE, LAK, MEN, NAP, SON, SUT, TEH, YOL
Lewisia stebbinsii	Stebbins' lewisia	Montiaceae	1B.2	Lower montane coniferous forest, Upper montane coniferous forest	gravelly, sometimes serpentinite	LAK, MEN, TRI
Lupinus antoninus	Anthony Peak lupine	Fabaceae	1B.2	Lower montane coniferous forest, Upper montane coniferous forest	rocky	COL, LAK, MEN, TEH, TRI
Microseris paludosa	marsh microseris	Asteraceae	1B.2	Closed-cone coniferous forest, Cismontane woodland, Coastal scrub, Valley and foothill grassland		MEN, MNT, MRN, SBT, SCR, SFO, SLO, SMT, SOL, SON
Phacelia insularis var. continentis	North Coast phacelia	Hydrophyllaceae	1B.2	Coastal bluff scrub, Coastal dunes	sandy, sometimes rocky	MEN, MRN
Pinus contorta ssp. bolanderi	Bolander's beach pine	Pinaceae	1B.2	Closed-cone coniferous forest (podzol-like soil)		MEN
Piperia candida	white-flowered rein orchid	Orchidaceae	1B.2	Broadleafed upland forest, Lower montane coniferous forest, North Coast coniferous forest	sometimes serpentinite	DNT, HUM, MEN, SCL, SCR, SIS, SMT, SON, TRI

<i>Sedum laxum</i> ssp. <i>eastwoodiae</i>	Red Mountain stonecrop	Crassulaceae	1B.2	Lower montane coniferous forest (serpentine)		MEN
<i>Sidalcea calycosa</i> ssp. <i>rhizomata</i>	Point Reyes checkerbloom	Malvaceae	1B.2	Marshes and swamps (freshwater, near coast)		MEN, MRN, SON
<i>Sidalcea malviflora</i> ssp. <i>patula</i>	Siskiyou checkerbloom	Malvaceae	1B.2	Coastal bluff scrub, Coastal prairie, North Coast coniferous forest	often roadcuts	DNT, HUM, MEN
<i>Sidalcea malviflora</i> ssp. <i>purpurea</i>	purple-stemmed checkerbloom	Malvaceae	1B.2	Broadleaved upland forest, Coastal prairie		MEN, MRN, SON
<i>Sidalcea oregana</i> ssp. <i>hydrophila</i>	marsh checkerbloom	Malvaceae	1B.2	Meadows and seeps, Riparian forest	mesic	COL, GLE, LAK, MEN, NAP
<i>Thermopsis robusta</i>	robust false lupine	Fabaceae	1B.2	Broadleaved upland forest, North Coast coniferous forest		DNT, HUM, MEN, SIS, TRI
<i>Tracyina rostrata</i>	beaked tracyina	Asteraceae	1B.2	Chaparral, Cismontane woodland, Valley and foothill grassland		HUM, LAK, MEN, SON, TRI
<i>Triquetrella californica</i>	coastal triquetrella	Pottiaceae	1B.2	Coastal bluff scrub, Coastal scrub	soil	CCA, DNT, MEN, MRN, SDG, SFO, SMT, SON
<i>Anisocarpus scabridus</i>	scabrid alpine tarplant	Asteraceae	1B.3	Upper montane coniferous forest (metamorphic, rocky)		COL, HUM, LAK, MEN, SHA, TEH, TRI
<i>Arctostaphylos manzanita</i> ssp. <i>elegans</i>	Konocti manzanita	Ericaceae	1B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest	volcanic	COL, GLE, HUM, LAK, MEN, NAP, SHA, SON, TEH, TRI
<i>Entosthodon kochii</i>	Koch's cord moss	Funariaceae	1B.3	Cismontane woodland (soil)		MEN, MPA, MRN, SLO
<i>Grimmia torenii</i>	Toren's grimmia	Grimmiaceae	1B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest	Openings, rocky, boulder and rock walls, carbonate, volcanic	CCA, COL, LAK, MEN, MNT, SCR, SMT
<i>Hypogymnia schizidiata</i>	island rock lichen	Parmeliaceae	1B.3	Closed-cone coniferous forest, Chaparral	On bark and wood of hardwoods and conifers	MEN, MRN, SBA, SCZ, SMT, SRO
<i>Streptanthus glandulosus</i> ssp. <i>hoffmanii</i>	Hoffman's bristly jewelflower	Brassicaceae	1B.3	Chaparral, Cismontane woodland, Valley and foothill grassland (often serpentine)	rocky	LAK, MEN, SON
<i>Carex livida</i>	livid sedge	Cyperaceae	2A	Bogs and fens		MEN
<i>Calamagrostis crassiglumis</i>	Thurber's reed grass	Poaceae	2B.1	Coastal scrub (mesic), Marshes and swamps (freshwater)		DNT, HUM, MEN, MRN, SON
<i>Carex comosa</i>	bristly sedge	Cyperaceae	2B.1	Coastal prairie, Marshes and swamps (lake margins), Valley and foothill grassland		CCA, LAK, MEN, SAC, SBD, SCR, SFO, SHA, SIQ, SON
<i>Microseris borealis</i>	northern microseris	Asteraceae	2B.1	Bogs and fens, Lower montane coniferous forest, Meadows and seeps	mesic	HUM, MEN
<i>Ramalina thrausta</i>	angel's hair lichen	Ramalinaceae	2B.1	North Coast coniferous forest	On dead twigs and other lichens	DNT, HUM, MEN, MNT, SON
<i>Alisma gramineum</i>	grass alisma	Alismataceae	2B.2	Marshes and swamps (assorted shallow freshwater)		LAS, MEN, MOD, SIS
<i>Botrypus virginianus</i>	rattlesnake fern	Ophioglossaceae	2B.2	Bogs and fens, Lower montane coniferous forest (mesic), Meadows and seeps, Riparian forest	streams	MEN, SHA, SIS, TRI
<i>Cardamine angulata</i>	seaside bittercress	Brassicaceae	2B.2	Lower montane coniferous forest, North Coast coniferous forest	Wet areas, streambanks	DNT, HUM, MEN, MRN, SIS
<i>Carex arcta</i>	northern clustered sedge	Cyperaceae	2B.2	Bogs and fens, North Coast coniferous forest (mesic)		DNT, HUM, MEN, MPA, TUL
<i>Carex lenticularis</i> var. <i>limnophila</i>	lagoon sedge	Cyperaceae	2B.2	Bogs and fens, Marshes and swamps, North Coast coniferous forest	shores, beaches; often gravelly	DNT, HUM, MEN, YOL
<i>Carex lyngbyei</i>	Lyngbye's sedge	Cyperaceae	2B.2	Marshes and swamps (brackish or freshwater)		DNT, HUM, MEN, MRN, NAP
<i>Castilleja litoralis</i>	Oregon coast paintbrush	Orobanchaceae	2B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub	sandy	DNT, HUM, MEN
<i>Cornus canadensis</i>	bunchberry	Cornaceae	2B.2	Bogs and fens, Meadows and seeps, North Coast coniferous forest		DNT, HUM, MEN, SIS
<i>Downingia willamettensis</i>	Cascade downingia	Campanulaceae	2B.2	Cismontane woodland (lake margins), Valley and foothill grassland (lake margins), Vernal pools		DNT, HUM, LAK, MEN
<i>Erythronium oregonum</i>	giant fawn lily	Liliaceae	2B.2	Cismontane woodland, Meadows and seeps	sometimes serpentine, rocky, openings	DNT, HUM, MEN, SIS, TRI
<i>Erythronium revolutum</i>	coast fawn lily	Liliaceae	2B.2	Bogs and fens, Broadleaved upland forest, North Coast coniferous forest	Mesic, streambanks	DNT, HUM, MEN, SIS, SON, TEH, TRI
<i>Heteranthera dubia</i>	water star-grass	Pontederiaceae	2B.2	Marshes and swamps (alkaline, still or slow-moving water)	Requires a pH of 7 or higher, usually in slightly eutrophic waters	BUT, COL, LAS, MEN, MOD, MRN, SFO, SHA, SMT
<i>Howellia aquatilis</i>	water howellia	Campanulaceae	2B.2	Marshes and swamps (freshwater)		HUM, MEN, TRI
<i>Juncus supiniformis</i>	hair-leaved rush	Juncaceae	2B.2	Bogs and fens, Marshes and swamps (freshwater)	near coast	MEN
<i>Lathyrus palustris</i>	marsh pea	Fabaceae	2B.2	Bogs and fens, Coastal prairie, Coastal scrub, Lower montane coniferous forest, Marshes and swamps, North Coast coniferous forest	mesic	DNT, HUM, MEN, SON

Ophioglossum pusillum	northern adder's-tongue	Ophioglossaceae	2B.2	Meadows and seeps, Marshes and swamps (margins)		ELD, LAK, MEN, SIS
Packera bolanderi var. bolanderi	seacoast ragwort	Asteraceae	2B.2	Coastal scrub, North Coast coniferous forest	Sometimes roadsides	DNT, HUM, MEN
Potamogeton epihydrus	Nuttall's ribbon-leaved pondweed	Potamogetonaceae	2B.2	Marshes and swamps (assorted shallow freshwater)		ELD, MAD, MEN, MOD, MPA, PLA, PLU, SHA, TUO
Puccinellia pumila	dwarf alkali grass	Poaceae	2B.2	Marshes and swamps (coastal salt)		HUM, MEN
Rhynchospora alba	white beaked-rush	Cyperaceae	2B.2	Bogs and fens, Meadows and seeps, Marshes and swamps (freshwater)		INY, MEN, MPA, NEV, PLU, SON, TRI
Sanguisorba officinalis	great burnet	Rosaceae	2B.2	Bogs and fens, Broadleaved upland forest, Meadows and seeps, Marshes and swamps, North Coast coniferous forest, Riparian forest	often serpentinite	DNT, HUM, MEN
Trichodon cylindricus	cylindrical trichodon	Ditrichaceae	2B.2	Broadleaved upland forest, Meadows and seeps, Upper montane coniferous forest	sandy, exposed soil, roadbanks	HUM, LAK, MEN, PLU, SHA, SIE, SIS, TUL
Viola palustris	alpine marsh violet	Violaceae	2B.2	Bogs and fens (coastal), Coastal scrub (mesic)		DNT, HUM, MEN, SHA
Brasenia schreberi	watershield	Cabombaceae	2B.3	Marshes and swamps (freshwater)		BUT, CAL, ELD, FRE, KRN, LAK, LAS, MEN, MER, NEV, PLU, SAC, SHA, SIE, SIS, SIQ, SON, SUT, TEH, TRI, TUL, TUO
Carex californica	California sedge	Cyperaceae	2B.3	Bogs and fens, Closed-cone coniferous forest, Coastal prairie, Meadows and seeps, Marshes and swamps (margins)		MEN, SON
Carex viridula ssp. viridula	green yellow sedge	Cyperaceae	2B.3	Bogs and fens, Marshes and swamps (freshwater), North Coast coniferous forest (mesic)		DNT, HUM, MEN, SIS, TUO
Glyceria grandis	American manna grass	Poaceae	2B.3	Bogs and fens, Meadows and seeps, Marshes and swamps (streambanks and lake margins)		ELD, FRE, HUM, MEN, MNO, PLA, TUL
Jaffuelobryum raui	Rau's jaffuelobryum moss	Grimmiaceae	2B.3	Alpine dwarf scrub, Chaparral, Mojavean desert scrub, Sonoran desert scrub	Dry openings, rock crevices, carbonate	INY, MEN, RIV, SBD, TEH, TUL
Kopsiopsis hookeri	small groundcone	Orobanchaceae	2B.3	North Coast coniferous forest		DNT, HUM, MEN, MRN, SON, TRI
Viburnum ellipticum	oval-leaved viburnum	Adoxaceae	2B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest		ALA, CCA, ELD, FRE, GLE, HUM, LAK, MEN, MPA, NAP, PLA, SHA, SOL, SON, TEH
Erigeron biolettii	streamside daisy	Asteraceae	3	Broadleaved upland forest, Cismontane woodland, North Coast coniferous forest	rocky, mesic	HUM, MEN, MRN, NAP, SOL, SON
Bryoria pseudocapillaris	false gray horsehair lichen	Parmeliaceae	3.2	Coastal dunes (SLO Co.), North Coast coniferous forest (immediate coast)	Usually on conifers	DNT, HUM, MEN, SLO
Lycopodium clavatum	running-pine	Lycopodiaceae	4.1	Lower montane coniferous forest (mesic), Marshes and swamps, North Coast coniferous forest (mesic)	often edges, openings, and roadsides	DNT, HUM, MEN, SON
Angelica lucida	sea-watch	Apiaceae	4.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, Marshes and swamps (coastal salt)		DNT, HUM, MEN
Asclepias solanoana	serpentine milkweed	Apocynaceae	4.2	Chaparral, Cismontane woodland, Lower montane coniferous forest	serpentine	COL, GLE, LAK, MEN, NAP, SHA, SON, TEH, TRI, YOL
Astragalus breweri	Brewer's milk-vetch	Fabaceae	4.2	Chaparral, Cismontane woodland, Meadows and seeps, Valley and foothill grassland (open, often gravelly)	often serpentinite, volcanic	COL, LAK, MEN, MRN, NAP, SON, YOL
Calamagrostis bolanderi	Bolander's reed grass	Poaceae	4.2	Bogs and fens, Broadleaved upland forest, Closed-cone coniferous forest, Coastal scrub, Meadows and seeps (mesic), Marshes and swamps (freshwater), North Coast coniferous forest	mesic	HUM, MEN, SON
Calamagrostis foliosa	leafy reed grass	Poaceae	4.2	Coastal bluff scrub, North Coast coniferous forest	rocky	DNT, HUM, MEN
Calandrinia breweri	Brewer's calandrinia	Montiaceae	4.2	Chaparral, Coastal scrub	sandy or loamy, disturbed sites and burns	CCA, LAX, MEN, MNT, MPA, MRN, NAP, ORA, RIV, SBA, SBD, SCL, SCR, SCZ, SDG, SHA, SLO, SMT, SON, SRO, VEN

Calochortus uniflorus	pink star-tulip	Liliaceae	4.2	Coastal prairie, Coastal scrub, Meadows and seeps, North Coast coniferous forest		CCA, COL, LAK, MEN, MNT, MRN, NAP, SCR, SLO, SMT, SON, TEH, TRI
Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	Convolvulaceae	4.2	Chaparral, Lower montane coniferous forest, Valley and foothill grassland	rocky, sometimes roadside	BUT, DNT, MEN, SHA, TEH
Calystegia collina ssp. oxyphylla	Mt. Saint Helena morning-glory	Convolvulaceae	4.2	Chaparral, Lower montane coniferous forest, Valley and foothill grassland	serpentine	LAK, MEN, MRN, NAP, SBT, SON
Castilleja ambigua var. ambigua	johnny-nip	Orobanchaceae	4.2	Coastal bluff scrub, Coastal prairie, Coastal scrub, Marshes and swamps, Valley and foothill grassland, Vernal pools margins		ALA, CCA, DNT, HUM, MRN, MRN, NAP, SCR, SFO, SLO, SMT, SON
Clarkia gracilis ssp. tracyi	Tracy's clarkia	Onagraceae	4.2	Chaparral (openings, usually serpentine)		COL, HUM, LAK, MEN, NAP, TEH, TRI
Coptis laciniata	Oregon goldthread	Ranunculaceae	4.2	Meadows and seeps, North Coast coniferous forest (streambanks)	Mesic	DNT, HUM, MEN
Cypripedium californicum	California lady's-slipper	Orchidaceae	4.2	Bogs and fens, Lower montane coniferous forest	seeps and streambanks, usually serpentine	BUT, DNT, HUM, MEN, MRN, PLU, SHA, SIS, SON, TRI
Cypripedium fasciculatum	clustered lady's-slipper	Orchidaceae	4.2	Lower montane coniferous forest, North Coast coniferous forest	usually serpentine seeps and streambanks	BUT, DNT, GLE, HUM, MEN, NEV, PLU, SCL, SCR, SHA, SIE, SIS, SMT, TEH, TRI, YUB
Cypripedium montanum	mountain lady's-slipper	Orchidaceae	4.2	Broadleaved upland forest, Cismontane woodland, Lower montane coniferous forest, North Coast coniferous forest		DNT, GLE, HUM, MAD, MEN, MOD, MPA, PLU, SCR, SHA, SIE, SIS, SMT, SON, TEH, TRI, TUO
Eriogonum umbellatum var. bahiiforme	bay buckwheat	Polygonaceae	4.2	Cismontane woodland, Lower montane coniferous forest	rocky, often serpentine	ALA, CCA, COL, GLE, HUM, LAK, MEN, MNT, NAP, SBT, SCL, SIS, SIQ, STA
Fritillaria agrestis	stinkbells	Liliaceae	4.2	Chaparral, Cismontane woodland, Pinyon and juniper woodland, Valley and foothill grassland	Clay, sometimes serpentine	ALA, CCA, FRE, KRN, MEN, MER, MNT, MPA, PLA, SAC, SBA, SBT, SCL, SCR, SLO, SMT, STA, TUO, VEN, YUB
Fritillaria glauca	Siskiyou fritillaria	Liliaceae	4.2	Alpine boulder and rock field, Subalpine coniferous forest, Upper montane coniferous forest	serpentine, talus slopes	COL, DNT, GLE, LAK, MEN, SHA, TEH, TRI
Glehnia littoralis ssp. leiocarpa	American glehnia	Apiaceae	4.2	Coastal dunes		DNT, HUM, MEN
Hosackia gracilis	harlequin lotus	Fabaceae	4.2	Broadleaved 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	wetlands, roadsides	DNT, HUM, MEN, MNT, MRN, SBT, SCR, SFO, SLO, SMT, SON
Iliamna bakeri	Baker's globe mallow	Malvaceae	4.2	Chaparral, Great Basin scrub, Lower montane coniferous forest (openings), Pinyon and juniper woodland	volcanic, often in burned areas	COL, LAK, LAS, MEN, MOD, SHA, SIS, TEH, TRI
Iris longipetala	coast iris	Iridaceae	4.2	Coastal prairie, Lower montane coniferous forest, Meadows and seeps	mesic	ALA, CCA, HUM, MEN, MNT, MRN, NAP, SBT, SCL, SFO, SMT, SOL, SON
Leptosiphon acicularis	bristly leptosiphon	Polemoniaceae	4.2	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland		ALA, BUT, CCA, FRE, HUM, LAK, MEN, MRN, NAP, SCL, SMT, SON
Lilium rubescens	redwood lily	Liliaceae	4.2	Broadleaved upland forest, Chaparral, Lower montane coniferous forest, North Coast coniferous forest, Upper montane coniferous forest	Sometimes serpentine, sometimes roadsides	DNT, GLE, HUM, LAK, MEN, NAP, SCR, SHA, SIS, SON, TRI
Listera cordata	heart-leaved twayblade	Orchidaceae	4.2	Bogs and fens, Lower montane coniferous forest, North Coast coniferous forest		DNT, HUM, MEN, SIS, TRI
Mitellastrum caulescens	leafy-stemmed mitrewort	Saxifragaceae	4.2	Broadleaved upland forest, Lower montane coniferous forest, Meadows and seeps, North Coast coniferous forest	mesic, sometimes roadsides	DNT, HUM, MEN, SIS, TEH, TRI
Navarretia cotulifolia	cotula navarretia	Polemoniaceae	4.2	Chaparral, Cismontane woodland, Valley and foothill grassland	adobe	ALA, BUT, CCA, COL, GLE, LAK, MEN, MRN, NAP, SBT, SCL, SIS, SOL, SON, SUT, YOL

<i>Perideridia gairdneri</i> ssp. <i>gairdneri</i>	Gairdner's yampah	Apiaceae	4.2	Broadleaved upland forest, Chaparral, Coastal prairie, Valley and foothill grassland, Vernal pools	vernally mesic	CCA, KRN, LAX, MEN, MNT, MRN, NAP, ORA, SBT, SCL, SCR, SDG, SLO, SMT, SOL, SON
<i>Pityopus californicus</i>	California pinefoot	Ericaceae	4.2	Broadleaved upland forest, Lower montane coniferous forest, North Coast coniferous forest, Upper montane coniferous forest	mesic	DNT, FRE, HUM, MEN, MPA, MRN, NAP, SIS, SON, TRI, TUL
<i>Pleuropogon refractus</i>	nodding semaphore grass	Poaceae	4.2	Lower montane coniferous forest, Meadows and seeps, North Coast coniferous forest, Riparian forest	Mesic	DNT, HUM, MEN, MRN
<i>Ranunculus lobbii</i>	Lobb's aquatic buttercup	Ranunculaceae	4.2	Cismontane woodland, North Coast coniferous forest, Valley and foothill grassland, Vernal pools	mesic	ALA, CCA, MEN, MRN, NAP, SCR, SMT, SOL, SON
<i>Sidalcea malachroides</i>	maple-leaved checkerbloom	Malvaceae	4.2	Broadleaved upland forest, Coastal prairie, Coastal scrub, North Coast coniferous forest, Riparian woodland	Often in disturbed areas	DNT, HUM, MEN, MNT, SCL, SCR, SON
<i>Silene campanulata</i> ssp. <i>campanulata</i>	Red Mountain catchfly	Caryophyllaceae	4.2	Chaparral, Lower montane coniferous forest	usually serpentine, rocky	COL, GLE, MEN, SHA, TEH, TRI
<i>Stellaria littoralis</i>	beach starwort	Caryophyllaceae	4.2	Bogs and fens, Coastal bluff scrub, Coastal dunes, Coastal scrub, Marshes and swamps		HUM, MEN, MRN, SFO, SON
<i>Streptanthus barbiger</i>	bearded jewelflower	Brassicaceae	4.2	Chaparral (serpentine)		COL, LAK, MEN, NAP, SON, TEH
<i>Toxicoscordion fontanum</i>	marsh zigadenus	Melanthiaceae	4.2	Chaparral, Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Marshes and swamps	vernally mesic, often serpentine	LAK, MEN, MNT, MRN, NAP, SBT, SCR, SLO, SMT, SON
<i>Usnea longissima</i>	Methuselah's beard lichen	Parmeliaceae	4.2	Broadleaved upland forest, North Coast coniferous forest	On tree branches; usually on old growth hardwoods and conifers	DNT, HUM, MEN, SCR, SMT, SON
<i>Antirrhinum virga</i>	twig-like snapdragon	Plantaginaceae	4.3	Chaparral, Lower montane coniferous forest	rocky, openings, often serpentine	LAK, MEN, NAP, SON, YOL
<i>Astragalus rattanii</i> var. <i>rattanii</i>	Rattan's milk-vetch	Fabaceae	4.3	Chaparral, Cismontane woodland, Lower montane coniferous forest	gravelly streambanks	COL, GLE, HUM, LAK, MEN, PLU, SON, TEH, TRI
<i>Bryum chryseum</i>	brassy bryum	Bryaceae	4.3	Chaparral (openings), Cismontane woodland, Valley and foothill grassland		AMA, BUT, FRE, MAD, MEN
<i>Calamagrostis ophitidis</i>	serpentine reed grass	Poaceae	4.3	Chaparral (open, often north-facing slopes), Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland	serpentine, rocky	LAK, MEN, MRN, NAP, SON
<i>Calyptidium quadripetalum</i>	four-petaled pussypaws	Montiaceae	4.3	Chaparral, Lower montane coniferous forest	sandy or gravelly, usually serpentine	GLE, LAK, MEN, NAP, SON, TEH, TRI
<i>Ceanothus gloriosus</i> var. <i>exaltatus</i>	glory brush	Rhamnaceae	4.3	Chaparral		HUM, MEN, MRN, SON
<i>Ceanothus gloriosus</i> var. <i>gloriosus</i>	Point Reyes ceanothus	Rhamnaceae	4.3	Coastal bluff scrub, Closed-cone coniferous forest, Coastal dunes, Coastal scrub	sandy	MEN, MRN, SON
<i>Chrysosplenium glechomifolium</i>	Pacific golden saxifrage	Saxifragaceae	4.3	North Coast coniferous forest, Riparian forest	Streambanks, sometimes seeps, sometimes roadsides	DNT, HUM, MEN
<i>Collomia diversifolia</i>	serpentine collomia	Polemoniaceae	4.3	Chaparral, Cismontane woodland	serpentine, rocky or gravelly	CCA, COL, GLE, LAK, MEN, NAP, SHA, STA, YOL
<i>Epilobium septentrionale</i>	Humboldt County fuchsia	Onagraceae	4.3	Broadleaved upland forest, North Coast coniferous forest	sandy or rocky	HUM, MEN, TRI
<i>Erigeron robustior</i>	robust daisy	Asteraceae	4.3	Lower montane coniferous forest, Meadows and seeps	sometimes serpentine	HUM, MEN, TRI
<i>Eriogonum strictum</i> var. <i>greenei</i>	Greene's buckwheat	Polygonaceae	4.3	Lower montane coniferous forest (serpentine, rocky)		COL, MEN, SIS, TEH, TRI
<i>Erythranthe nudata</i>	bare monkeyflower	Phrymaceae	4.3	Chaparral, Cismontane woodland	serpentine seeps	LAK, MEN, NAP
<i>Erythronium citrinum</i> var. <i>citrinum</i>	lemon-colored fawn lily	Liliaceae	4.3	Chaparral, Lower montane coniferous forest	usually serpentine	DNT, HUM, MEN, SIS, TRI
<i>Eschscholzia hypocoides</i>	San Benito poppy	Papaveraceae	4.3	Chaparral, Cismontane woodland, Valley and foothill grassland	serpentine clay	FRE, IMP, MEN, MNT, SBT, SLO
<i>Eucephalus glabratus</i>	Siskiyou aster	Asteraceae	4.3	Lower montane coniferous forest, Upper montane coniferous forest	rocky openings	DNT, HUM, MEN, SIS, TRI
<i>Fritillaria purdyi</i>	Purdy's fritillary	Liliaceae	4.3	Chaparral, Cismontane woodland, Lower montane coniferous forest	usually serpentine	COL, GLE, HUM, LAK, MEN, NAP, TEH, TRI, YOL
<i>Hackelia amethystina</i>	amethyst stickseed	Boraginaceae	4.3	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest	openings, disturbed areas	GLE, LAK, LAS, MEN, PLA, PLU, TEH, TRI
<i>Hemizonia congesta</i> ssp. <i>calyculata</i>	Mendocino tarplant	Asteraceae	4.3	Cismontane woodland, Valley and foothill grassland	sometimes serpentine	LAK, MEN
<i>Hemizonia congesta</i> ssp. <i>tracyi</i>	Tracy's tarplant	Asteraceae	4.3	Coastal prairie, Lower montane coniferous forest, North Coast coniferous forest	openings, sometimes serpentine	HUM, MEN, TRI
<i>Lathyrus glandulosus</i>	sticky pea	Fabaceae	4.3	Cismontane woodland		HUM, MEN

<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	Polemoniaceae	4.3	Broadleafed upland forest, Cismontane woodland		COL, DNT, GLE, HUM, LAK, MEN, NAP, SHA, SON, TEH, TRI
<i>Leptosiphon rattanii</i>	Rattan's leptosiphon	Polemoniaceae	4.3	Cismontane woodland, Lower montane coniferous forest	rocky or gravelly	COL, GLE, LAK, MEN, TEH
<i>Lomatium engelmannii</i>	Engelmann's lomatium	Apiaceae	4.3	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest	Serpentine	MEN, SIS, TRI
<i>Lomatium tracyi</i>	Tracy's lomatium	Apiaceae	4.3	Lower montane coniferous forest, Upper montane coniferous forest	serpentine	HUM, MEN, SHA, SIS, TEH, TRI
<i>Melica spectabilis</i>	purple onion grass	Poaceae	4.3	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest	mesic	ELD, GLE, HUM, MEN, MNO, MOD, NAP, NEV, SIS, TRI
<i>Micranthes marshallii</i>	Marshall's saxifrage	Saxifragaceae	4.3	Riparian forest	rocky streambanks	BUT, DNT, HUM, MEN, SIS, TRI
<i>Navarretia linearifolia</i> ssp. <i>pinnatisecta</i>	pinnate-leaved navarretia	Polemoniaceae	4.3	Chaparral, Lower montane coniferous forest	serpentine or volcanic	GLE, HUM, LAK, MEN, NAP, TEH, TRI
<i>Navarretia subuligera</i>	awl-leaved navarretia	Polemoniaceae	4.3	Chaparral, Cismontane woodland, Lower montane coniferous forest	rocky, mesic	AMA, BUT, DNT, LAK, MEN, MOD, NAP, SHA, TEH
<i>Orobancha valida</i> ssp. <i>howellii</i>	Howell's broomrape	Orobanchaceae	4.3	Chaparral (serpentine or volcanic)		GLE, LAK, MEN, NAP, SON, TEH
<i>Pleuropogon californicus</i> var. <i>davyi</i>	Davy's semaphore grass	Poaceae	4.3	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps		LAK, MEN
<i>Ptilidium californicum</i>	Pacific fuzz wort	Ptilidiaceae	4.3	Lower montane coniferous forest, Upper montane coniferous forest	Usually epiphytic on trees, fallen and decaying logs, and stumps; rarely on humus over boulders	DNT, HUM, MEN, SHA, SIS, TRI
<i>Ribes roezlii</i> var. <i>amictum</i>	hoary gooseberry	Grossulariaceae	4.3	Broadleafed upland forest, Cismontane woodland, Lower montane coniferous forest, Upper montane coniferous forest		HUM, LAK, MEN, SHA, TRI
<i>Ribes victoris</i>	Victor's gooseberry	Grossulariaceae	4.3	Broadleafed upland forest, Chaparral	mesic, shady	MEN, MRN, NAP, SOL, SON
<i>Streptanthus drepanoides</i>	sickle-fruit jewelflower	Brassicaceae	4.3	Chaparral, Cismontane woodland, Lower montane coniferous forest	serpentine	BUT, COL, GLE, LAK, MEN, SHA, TEH, TRI
<i>Veratrum fimbriatum</i>	fringed false-hellebore	Melanthiaceae	4.3	Bogs and fens, Coastal scrub, Meadows and seeps, North Coast coniferous forest	mesic	MEN, SON
<i>Wyethia longicaulis</i>	Humboldt County wyethia	Asteraceae	4.3	Broadleafed upland forest, Coastal prairie, Lower montane coniferous forest	sometimes roadsides	HUM, MEN, TRI