

Appendix 13

Botanical Resources

Line items and numbers identified or noted as “No Action Alternative” represent the “Existing Conditions/No Project/No Action Condition” (described in Chapter 2 Alternatives Analysis).
Table numbering may not be consecutive for all appendixes.

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Appendix 13A Special-status Plant Species Potentially Occurring in Secondary Study Area Aquatic Habitats

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Table 13A-1
Special-status Plant Species Potentially Occurring in Secondary Study Area
Aquatic Habitats

Scientific Name	Common Name	Occ Count	Federal Listing Status	State Listing Status	Global Rank	State Rank	CNPS Rank	Other Status	North Coast	Shasta	Central Valley	Bay/Delta	Folsom	Habitat
<i>Agrostis hendersonii</i>	Henderson's bent grass	19	None	None	G2Q	S2	3.2			X	X			Valley and foothill grassland Vernal pool Wetland
<i>Alopecurus aequalis</i> var. <i>sonomensis</i>	Sonoma alopecurus	21	Endangered	None	G5T1	S1	1B.1					X		Freshwater marsh Marsh and swamp Riparian scrub Wetland
<i>Anthoxanthum nitens</i> spp. <i>nitens</i>	Vanilla-grass	4	None	None	G5	S2	2B.3		X	X				Meadow and seep Wetland
<i>Arenaria paludicola</i>	Marsh sandwort	1	Endangered	Endangered	G1	S1	1B.1					X		Freshwater marsh Marsh and swamp Wetland
<i>Astragalus lemmonii</i>	Lemmon's milk-vetch	1	None	None	G2	S2	1B.2	BLM_S-Sensitive USFS_S-Sensitive		X				Great Basin scrub Marsh & swamp Meadow and seep Wetland
<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i>	Coastal marsh milk-vetch	24	None	None	G2T2	S2	1B.2		X			X		
<i>Astragalus tener</i> var. <i>ferrisiae</i>	Ferris' milk-vetch	18	None	None	G2T1	S1	1B.1	BLM_S-Sensitive			X			Meadow and seep Valley and foothill grassland Wetland
<i>Astragalus tener</i> var. <i>tener</i>	Alkali milk-vetch	50	None	None	G2T2	S2	1B.2				X	X		Alkali playa Valley and foothill grassland Vernal pool Wetland
<i>Atriplex depressa</i>	Brittlescale	47	None	None	G2	S2	1B.2				X	X		Alkali playa Chenopod scrub Meadow and seep Valley and foothill grassland Vernal pool Wetland
<i>Atriplex persistens</i>	Vernal pool smallscale	16	None	None	G2	S2	1B.2				X			Vernal pool Wetland
<i>Bensoniella oregona</i>	<i>bensoniella</i>	10	None	Rare	G3	S2	1B.1	USFS_S-Sensitive	X					Bog and fen Lower montane coniferous forest Meadow and seep Wetland
<i>Betula glandulosa</i>	Dwarf resin birch	4	None	None	G5	S2	2B.2				X			Bog and fen Lower montane coniferous forest Marsh and swamp Meadow and seep
<i>Blennosperma bakeri</i>	Sonoma sunshine	25	Endangered	Endangered	G1	S1	1B.1				X			Valley and foothill grassland Vernal pool Wetland
<i>Botrychium crenulatum</i>	Scalloped moonwort	32	None	None	G4	S3	2B.2	USFS_S-Sensitive		X	X			Bog and fen Lower montane coniferous forest Marsh and swamp Meadow and seep
<i>Botrychium minganense</i>	Mingan moonwort	39	None	None	G4G5	S3	2B.2	USFS_S-Sensitive		X	X			Bog and fen Lower montane coniferous forest Meadow and seep Upper montane coniferous forest
<i>Botrypus virginianus</i>	Rattlesnake fern	22	None	None	G5	S3	2B.3			X				Bog and fen Lower montane coniferous forest Meadow and seep Riparian forest
<i>Brasenia schreberi</i>	Watershield	8	None	None	G5	S3	2B.3				X			Marsh and swamp Wetland
<i>Calamagrostis crassiglumis</i>	Thurber's reed grass	13	None	None	G3Q	S2	2B.1		X			X		Coastal scrub Freshwater marsh Marsh and swamp Wetland
<i>Calochortus longebarbatus</i> var. <i>longebarbatus</i>	Long-haired star-tulip	4	None	None	G4T3	S3	1B.2	BLM_S-Sensitive USFS_S-Sensitive		X				Great Basin scrub Lower montane coniferous forest Meadow and seep Vernal pool
<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	40	None	None	G2	S2	1B.2					X		Chaparral Cismontane woodland Riparian woodland Valley and foothill grassland

Scientific Name	Common Name	Occ Count	Federal Listing Status	State Listing Status	Global Rank	State Rank	CNPS Rank	Other Status	North Coast	Shasta	Central Valley	Bay/Delta	Folsom	Habitat
<i>Campanula californicus</i>	Swamp harebell	59	None	None	G3	S3	1B.2	BLM_S-Sensitive				X		Bog and fen Closed-cone coniferous forest Coastal prairie Marsh and swamp
<i>Cardamine angulata</i>	Seaside bittercress	4	None	None	G5	S1	2B.1		X			X		Lower montane coniferous forest North coast coniferous forest Wetland
<i>Carex arcta</i>	Northern clustered sedge	10	None	None	G5	S1	2B.2		X					Bog and fen North coast coniferous forest Wetland
<i>Carex comosa</i>	Bristly sedge	24	None	None	G5	S2	2B.1			X	X	X		Freshwater marsh Marsh and swamp Wetland
<i>Carex cyrtostachya</i>	Sierra arching sedge	13	None	None	G2	S2	1B.2				X			Lower montane coniferous forest Marsh and swamp Meadow and seep Riparian forest
<i>Carex halliana</i>	Oregon sedge	1	None	None	G4G5	S2	2B.3		X					Meadow and seep Subalpine coniferous forest Upper montane coniferous forest Wetland
<i>Carex hystericina</i>	Porcupine sedge	1	None	None	G5	S1	2B.1			X				Freshwater marsh Marsh and swamp Wetland
<i>Carex Klamathensis</i>	Klamath sedge	2	None	None	G2	S2	1B.2	BLM_S-Sensitive			X			Chaparral Cismontane woodland Wetland
<i>Carex lasiocarpa</i>	Woolly-fruited sedge	3	None	None	G5	S2	2B.3			X			X	Bog and fen Freshwater marsh Marsh and swamp Wetland
<i>Carex lenticularis</i> var. <i>limnophila</i>	Lagoon sedge	4	None	None	G5	S2	2B.2		X					Bog and fen Marsh and swamp North coast coniferous forest
<i>Carex leptalea</i>	Bristle-stalked sedge	9	None	None	G5	S1	2B.2		X			X		Bog and fen Freshwater marsh Marsh and swamp Meadow and seep Wetland
<i>Carex limosa</i>	Mud sedge	11	None	None	G5	S3	2B.2				X		X	Bog and fen Freshwater marsh Lower montane coniferous forest Marsh and swamp Meadow and seep Upper montane coniferous forest Wetland
<i>Carex lyngbyei</i>	Lyngbye's sedge	23	None	None	G5	S3	2B.2		X			X		Marsh and swamp Wetland
<i>Carex petasata</i>	Liddon's sedge	1	None	None	G5	S3	2B.3			X				Broadleaved upland forest Lower montane coniferous forest Meadow and seep Pinon & juniper woodlands Wetland
<i>Carex praticola</i>	Northern meadow sedge	10	None	None	G5	S2	2B.2		X		X	X		Meadow and seep Wetland
<i>Carex saliniformis</i>	Deceiving sedge	4	None	None	G2	S2	1B.2		X					Coastal prairie Coastal scrub Marsh and swamp Meadow and seep Wetland
<i>Carex serpenticola</i>	Serpentine sedge	17	None	None	G4	S3	2B.3		X			X		Meadow and seep Wetland
<i>Carex sheldonii</i>	Sheldon's sedge	1	None	None	G4	S2	2B.2						X	Freshwater marsh Lower montane coniferous forest Marsh & swamp Riparian scrub Wetland
<i>Carex viridula</i> var. <i>viridula</i>	Green yellow sedge	5	None	None	G5T5	S2	2B.3		X					Bog and fen Marsh and swamp North coast coniferous forest Wetland
<i>Castilleja ambigua</i> ssp. <i>humboldtiensis</i>	Humboldt bay owl's-clover	25	None	None	G4T2	S2	1B.2	BLM_S-Sensitive	X			X		Marsh and swamp Salt marsh Wetland

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<i>Castilleja elata</i>	Siskiyou paintbrush	35	None	None	G3	S2S3	2B.2		X					Bog and fen Lower montane coniferous forest Wetland
<i>Castilleja leschkeana</i>	Point Reyes paintbrush	2	None	None	GHQ	SH	1A					X		Marsh and swamp Wetland
<i>Castilleja uliginosa</i>	Pitkin Marsh paintbrush	2	None	Endangered	GXQ	SX	1A					X		Freshwater marsh Marsh and swamp Wetland
<i>Centromadia parryi</i> ssp. <i>parryi</i>	Pappose tarplant	25	None	None	G3T2	S2	1B.2	BLM_S-Sensitive			X	X		Coastal prairie Marsh and swamp Meadow and seep Valley and foothill grassland
<i>Chloropyron maritimum</i> ssp. <i>palustre</i>	Point Reyes salty bird's-beak	65	None	None	G4?T2	S2	1B.2	BLM_S-Sensitive	X			X		Marsh and swamp Salt marsh Wetland
<i>Chloropyron molle</i> ssp. <i>hispidum</i>	Hispid bird's-beak	3	None	None	G2T2	S2	1B.1	BLM_S-Sensitive			X	X	X	Alkali playa Meadow and seep Wetland
<i>Chloropyron molle</i> ssp. <i>molle</i>	Soft bird's-beak	25	Endangered	Rare	G2T1	S1	1B.2					X		Marsh and swamp Salt marsh Wetland
<i>Chloropyron palmatum</i>	Palmate-bracted bird's-beak	16	Endangered	Endangered	G1	S1	1B.1				X	X		Chenopod scrub Meadow and seep Valley and foothill grassland Wetland
<i>Cicuta maculata</i> var. <i>bolanderi</i>	Bolander's water-hemlock	16	None	None	G5T4	S2	2B.1					X		Marsh and swamp Salt marsh Wetland
<i>Cirsium fontinale</i> var. <i>fontinale</i>	Crystal springs fountain thistle	5	Endangered	None	G2T1	S1	1B.1					X		Chaparral Cismontane woodland Meadow and seep Valley and foothill grassland Wetland
<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>	Suisun thistle	4	Endangered	None	G2T1	S1	1B.1					X		Marsh and swamp Salt marsh Wetland
<i>Cirsium hydrophilum</i> var. <i>vaseyi</i>	Mt. Tamalpais thistle	14	None	None	G2T1	S1	1B.2					X		Broadleaved upland forest Chaparral Meadow and seep Wetland
<i>Cryptantha crinita</i>	Silky cryptantha	57	None	None	G2	S2	1B.2	BLM_S-Sensitive USFS_S-Sensitive		X	X			Cismontane woodland Lower montane coniferous forest Riparian forest Riparian woodland Valley and foothill grassland
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder	3	None	None	G5T4T5	SH	2B.2				X			Marsh and swamp Wetland
<i>Dirca occidentalis</i>	Western leatherwood	65	None	None	G2	S2	1B.2					X		Broadleaved upland forest Chaparral Cismontane woodland Closed-cone coniferous forest North coast coniferous forest Riparian forest Riparian woodland
<i>Downingia pusilla</i>	Dwarf downingia	85	None	None	GU	S2	2B.2				X	X	X	Valley and foothill grassland Vernal pool Wetland
<i>Drosera anglica</i>	English sundew	3	None	None	G5	S2	2B.3			X	X			Bog and fen Meadow and seep Wetland
<i>Epilobium luteum</i>	Yellow willowherb	1	None	None	G5	S1	2B.3						X	Meadow and seep Subalpine coniferous forest Wetland
<i>Epilobium oreganum</i>	Oregon fireweed	42	None	None	G2	S2	1B.2	BLM_S-Sensitive USFS_S Sensitive	X	X	X			Bog and fen Lower montane coniferous forest Meadow and seep Upper montane coniferous forest Wetland
<i>Epilobium palustre</i>	Marsh willowherb	1	None	None	G5	S2	2B.2						X	Bog and fen Meadow and seep Wetland
<i>Eryngium aristulatum</i> var. <i>hooveri</i>	Hoover's button-celery	9	None	None	G5T1	S1	1B.1					X		Vernal pool Wetland

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<i>Eryngium constancei</i>	Loch Lomond button-celery	1	Endangered	Endangered	G1	S1	1B.1					X		Vernal pool Wetland
<i>Eryngium pinnatisectum</i>	Tuolumne button-celery	1	None	None	G2	S2	1B.2						X	Cismontane woodland Lower montane coniferous forest Vernal pool Wetland
<i>Eryngium racemosum</i>	Delta button-celery	1	None	Endangered	G1	S1	1B.1					X		Riparian scrub Wetland
<i>Eryngium spinosepalum</i>	Spiny-sepaed button-celery	1	None	None	G2	S2	1B.2					X		Valley and foothill grassland Vernal pool Wetland
<i>Erythronium revolutum</i>	Coast fawn lily	130	None	None	G4G5	S3	2B.2		X					Bog and fen Broadleaved upland forest North coast coniferous forest Wetland
<i>Euphorbia hooverii</i>	Hoover's spurge	21	Threatened	None	G1	S1	1B.2				X			Vernal pool Wetland
<i>Gentiana plurisetosa</i>	Klamath gentian	2	None	None	G2G3	S2	1B.3		X					Lower montane coniferous forest Meadow and seep Upper montane coniferous forest Wetland
<i>Gentiana setigera</i>	Mendocino gentian	9	None	None	G2	S1	1B.2	BLM_S-Sensitive USFS_S-Sensitive	X					Bog and fen Lower montane coniferous forest Meadow and seep Ultramafic Upper montane coniferous forest Wetland
<i>Glyceria grandis</i>	American manna grass	4	None	None	G3	S3	2B.3		X				X	Bog and fen Marsh and swamp Meadow and seep Wetland
<i>Gratiola heterosepala</i>	Boggs lake hedge-hyssop	55	None	Endangered	G2	S2	1B.2	BLM_S-Sensitive		X	X	X	X	Freshwater marsh Marsh and swamp Vernal pool Wetland
<i>Hemieva ranunculifolia</i>	Buttercup-leaf suksdorfia	2	None	None	G5	S2	2B.2		X					Meadow and seep Upper montane coniferous forest Wetland
<i>Heteranthera dubia</i>	Water star-grass	5	None	None	G5	S2	2B.2				X	X		Marsh and swamp
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	California hibiscus	117	None	None	G5T3	S3	1B.2				X	X		Freshwater marsh Marsh and swamp Wetland
<i>Hoita strobilina</i>	Loma prieta hoita	29	None	None	G2	S2	1B.1					X		Chaparral Cismontane woodland Riparian woodland Ultramafic
<i>Howellia aquatilis</i>	Water howilia	1	Threatened	None	G3	S2	2B.2					X		Chaparral Cismontane woodland Riparian woodland
<i>Iliamna latibracteata</i>	California globe mallow	27	None	None	G2G3	S2	1B.2	USFS_S-Sensitive	X					Chaparral Lower montane coniferous forest North coast coniferous forest Riparian scrub
<i>Imperata brevifolia</i>	California satintail	3	None	None	G4	S3	2B.1	USFS_S-Sensitive			X			Chaparral Coastal scrub Meadow and seep Mojavean desert scrub Riparian forest Wetland
<i>Ivesia pickeringii</i>	Pickering's ivisia	4	None	None	G2	S2	1B.2		X					Lower montane coniferous forest Meadow and seep Wetland
<i>Ivisia sericoleuca</i>	Plumas ivisia	5	None	None	G2	S2	1B.2						X	Great Basin scrub Lower montane coniferous forest Meadow and seep Vernal pool
<i>Juglans hindsii</i>	Northern california black walnut	2	None	None	G1	S1	1B.1				X	X		Riparian forest Riparian woodland
<i>Juncus digitatus</i>	Finger rush	2	None	None	G1	S1	1B.1			X				Cismontane woodland Lower montane coniferous forest Vernal pool Wetland
<i>Juncus dudleyi</i>	Dudley's rush	7	None	None	G5	S1	2B.3		X	X				Lower montane coniferous forest Wetland
<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush	56	None	None	G2T2	S2	1B.1	BLM_S-Sensitive USFS_S-Sensitive		X	X			Chaparral Cismontane woodland Meadow and seep Valley and foothill grassland Vernal pool Wetland

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<i>Juncus luciensis</i>	Santa Lucia dwarf rush	2	None	None	G3	S3	1B.2			X			X	Chaparral Great Basin scrub Lower montane coniferous forest Meadow and seep
<i>Juncus nevadensis</i> var. <i>inventus</i>	Sierra rush	1	None	None	G5T3T4	S1	2B.2		X					Bog and fen Wetland
<i>Lasthenia burkei</i>	Burke's goldfields	27	Endangered	Endangered	G1	S1	1B.1					X		Meadow and seep Vernal pool Wetland
<i>Lasthenia californica</i> ssp. <i>bakeri</i>	Baker's goldfields	9	None	None	G3T1	S1	1B.2					X		Closed-cone coniferous forest Coastal scrub Marsh and swamp Meadow and seep
<i>Lasthenia conjugens</i>	Contra costa goldfields	24	Endangered	None	G1	S1.1	1B.1				X	X		Cismontane woodland Valley and foothill grassland Vernal pool Wetland
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	3	None	None	G4T2	S2	1B.1	BLM_S-Sensitive			X			Alkali playa Marsh and swamp Salt marsh Valley and foothill grassland Vernal pool Wetland
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	104	None	None	G5T2	S2	1B.2				X	X		Freshwater marsh Marsh and swamp Wetland
<i>Lathyrus palustris</i>	Marsh pea	11	None	None	G5	S2	2B.2		X			X		Bog and fen Coastal prairie Coastal scrub Lower montane coniferous forest Marsh and swamp North coast coniferous forest Wetland
<i>Legenere limosa</i>	Legenere	65	None	None	G2	S2	1B.1	BLM_S-Sensitive		X	X	X	X	Vernal pool Wetland
<i>Lewisia serrata</i>	Saw-toothed lewisia	11	None	None	G2	S2	1B.1	USFS_S-Sensitive					X	Broadleaved upland forest Lower montane coniferous forest Riparian forest
<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	148	None	Rare	G2	S2	1B.1				X	X		Freshwater marsh Marsh and swamp Riparian scrub Wetland
<i>Lilium maritimum</i>	Coast lily	12	None	None	G2	S2	1B.1					X		Broadleaved upland forest Closed-cone coniferous forest Coastal prairie Coastal scrub Marsh and swamp North coast coniferous forest
<i>Lilium occidentale</i>	Western lily	16	Endangered	Endangered	G1	S1.2	1B.1		X					Bog and fen Coastal bluff scrub Coastal prairie Coastal scrub Freshwater marsh Marsh and swamp North coast coniferous forest Wetland
<i>Lilium pardalinum</i> spp. <i>pitkinense</i>	Pitkin Marsh lily	4	Endangered	Endangered	G5T1	S1	1B.1					X		Cismontane woodland Freshwater marsh Marsh and swamp Meadow and seep Wetland
<i>Limnanthes douglasii</i> ssp. <i>sulphurea</i>	Point Reyes meadowfoam	12	None	Endangered	G4T1	S1	1B.2					X		Cismontane woodland Coastal prairie Freshwater marsh Marsh and swamp Vernal pool
<i>Limnanthes floccosa</i> ssp. <i>bellingiana</i>	Bellinger's meadowfoam	5	None	None	G4T2T3	S1.1	1B.2	BLM_S-Sensitive USFS_S Sensitive		X				Cismontane woodland Meadow and seep Wetland
<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte county meadowfoam	21	Endangered	Endangered	G4T1	S1	1B.1	USFS_S-Sensitive			X			Valley and foothill grassland Vernal pool Wetland
<i>Limnanthes vinculans</i>	Sebastopol meadowfoam	43	Endangered	Endangered	G1	S1	1B.1					X		Meadow and seep Valley and foothill grassland Vernal pool Wetland
<i>Limosella australis</i>	Delta mudwort	35	None	None	G4G5	S2	2B.1					X		Brackish marsh Freshwater marsh Marsh and swamp Riparian scrub Wetland

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<i>Lycopodiella inundata</i>	Inundated bog-clubmoss	1	None	None	G5	S1?	2B.2		x					Bog and fen Lower montane coniferous forest Marsh and swamp Wetland
<i>Lysimachia europaea</i>	Arctic starflower	4	None	None	G5	S1	2B.2		X					Bog and fen Meadow and seep Wetland
<i>Lysimachia thyrsoflora</i>	Tufted loostripe	3	None	None	G5	S1?	2B.3			X				Meadow and seep Upper montane coniferous forest Wetland
<i>Meesia uliginosa</i>	Broad-nerved hump moss	5	None	None	G5	S3	2B.2	USFS_S-Sensitive		X	X		X	Bog and fen Meadow and seep Subalpine coniferous forest Upper montane coniferous forest Wetland
<i>Mertensia bella</i>	Oregon lungwort	1	None	None	G4	S1	2B.2		X					Meadow and seep Upper montane coniferous forest Wetland
<i>Microseris borealis</i>	Northern microseris	2	None	None	G5	S1	2B.1		X					Bog and fen Lower montane coniferous forest Meadow and seep Wetland
<i>Montia howellii</i>	Howell's montia	97	None	None	G3G4	S2	2B.2	USFS_S-Sensitive	X					Meadow and seep North coast coniferous forest Vernal pool Wetland
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia	42	None	None	G4T2	S2	1B.1	BLM_S-Sensitive			X	X		Cismontane woodland Lower montane coniferous forest Meadow and seep Valley and foothill grassland Vernal pool Wetland
<i>Navarretia leucocephala</i> ssp. <i>plieantha</i>	Many-flowered navarretia	2	Endangered	Endangered	G4T1	S1	1B.2					X		Vernal pool Wetland
<i>Navarretia myersii</i> ssp. <i>myersii</i>	Pincushion navarretia	14	None	None	G1T2	S2	1B.1				X		X	Valley and foothill grassland Vernal pool Wetland
<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	Shining navarretia	5	None	None	G4T2	S2	1B.2				X	X		Cismontane woodland Valley and foothill grassland Vernal pool Wetland
<i>Navarretia prostrata</i>	Prostrate vernal pool navarretia	4	None	None	G2	S2	1B.1					X		Coastal scrub Meadow and seep Valley and foothill grassland Vernal pool
<i>Neostapfia colusana</i>	Colusa grass	8	Threatened	Endangered	G1	S1	1B.1				X			Vernal pool Wetland
<i>Neviusia cliftonii</i>	Shasta snow-wreath	24	None	None	G2	S2	1B.2	BLM_S-Sensitive USFS_S-Sensitive		X				Limestone Lower montane coniferous forest Riparian woodland
<i>Ophioglossum pusillum</i>	Northern adder's-tongue	1	None	None	G5	S1	2B.2						X	Marsh and swamp Meadow and seep Wetland
<i>Orcuttia inaequalis</i>	San Joaquin Valley Orcutt grass	1	Threatened	Endangered	G1	S1	1B.1				X	X		Vernal pool Wetland
<i>Orcuttia pilosa</i>	Hairy Orcutt grass	13	Endangered	Endangered	G1	S1	1B.1				X			Vernal pool Wetland
<i>Orcuttia tenuis</i>	Slender Orcutt grass	57	Threatened	Endangered	G2	S2	1B.1	USFS_S-Sensitive		X	X			Valley and foothill grassland Vernal pool Wetland
<i>Orcuttia viscida</i>	Sacramento Orcutt grass	12	Endangered	Endangered	G1	S1	1B.1				X			Vernal pool Wetland
<i>Panicum acuminatum</i> var. <i>thermale</i>	Geysers panicum	8	None	Endangered	G5T2Q	S2	1B.2			X		X		Closed-cone coniferous forest Riparian forest Valley and foothill grassland Wetland
<i>Parnassia cirrara</i> var. <i>intermedia</i>	Cascade grass-of-Parnassus	26	None	None	G5T4	S3	2B.2	USFS_S-Sensitive	X					Bog and fen Meadow and seep Wetland
<i>Paronychia ahartii</i>	Ahart's paronychia	58	None	None	G3	S3	1B.1	BLM_S-Sensitive			X			Cismontane woodland Valley and foothill grassland Vernal pool Wetland
<i>Pinguicula macroceras</i>	Horned butterwort	22	None	None	G4	S2	2B.2		X					Bog and fen Wetland
<i>Plagiobothrys glaber</i>	Hairless popcorn-flower	8	None	None	GH	SH	1A					X		Marsh and swamp Salt marsh Vernal pool Wetland
<i>Plagiobothrys hystriculus</i>	Bearded popcorn-flower	11	None	None	G2	S2	1B.1				X			Valley and foothill grassland Vernal pool Wetland

Scientific Name	Common Name	Occ Count	Federal Listing Status	State Listing Status	Global Rank	State Rank	CNPS Rank	Other Status	North Coast	Shasta	Central Valley	Bay/Delta	Folsom	Habitat
<i>Plagiobothrys mollis</i> var. <i>vestitus</i>	Petaluma popcornflower	1	None	None	G4?TX	SX	1A					X		Marsh and swamp Salt marsh Valley and foothill grassland Wetland
<i>Pleuropogon hooverianus</i>	North Coast semaphore grass	7	None	Threatened	G2	S2	1B.1					X		Broadleaved upland forest Meadow and seep North coast coniferous forest Wetland
<i>Polygonum marinense</i>	Marin knotweed	30	None	None	G2Q	S2	3.1					X		Brackish marsh Marsh and swamp Salt marsh Wetland
<i>Polygonum polygaloides</i> ssp. <i>esotericum</i>	Modoc County knotweed	1	None	None	G4G5T3	S3	1B.1	BLM_S-Sensitive		X				Great Basin scrub Lower montane coniferous forest Meadow & seep Vernal pool
<i>Potamogeton epihydrus</i>	Nuttall's ribbon-leaved pondweed	4	None	None	G5	S2S3	2B.2			X			X	Marsh and swamp Wetland
<i>Potamogeton foliosus</i> var. <i>fibrillosus</i>	Fibrous pondweed	1	None	None	G5T2T4	S1S2	2B.3		X					Marsh and swamp Wetland
<i>Potamogeton praelongus</i>	White-stemmed pondweed	1	None	None	G5	S2	2B.3			X		X		Marshes and swamps Wetland
<i>Potamogeton robbinsii</i>	Robbins' pondweed	1	None	None	G5	S3	2B.3						X	Marshes and swamps Wetland
<i>Potamogeton zosteriformis</i>	Eel-grass pondweed	8	None	None	G5	S3	2B.2			X		X		Marshes and swamps Wetland
<i>Potentilla hickmanii</i>	Hickman's cinquefoil	2	None	None	G5	S3	2B.2					X		Closed-cone coniferous forest Coastal bluff scrub Freshwater marsh Marsh and swamp Meadow and seep Wetland
<i>Potentilla newberryi</i>	Newberry's cinquefoil	1	None	None	G3G4	S2S3	2B.3			X				Marsh and swamp Vernal pool Wetland
<i>Potentilla uliginosa</i>	Cunningham Marsh cinquefoil	1	None	None	GH	SH	1A					X		Marshes and swamps Wetland
<i>Puccinellia howellii</i>	Howell's alkali grass	1	None	None	G1	S1	1B.1	BLM_S-Sensitive		X				Meadow and seep Wetland
<i>Puccinellia pumila</i>	Dwarf alkali grass	1	None	None	G4?	SH	2B.1		X					Marshes and swamps Wetland
<i>Pyrocoma racemosa</i> var. <i>congesta</i>	Del Norte pyrocoma	13	None	None	G5T4	S2	2B.2		X					Chaparral Lower montane coniferous forest Wetland
<i>Raillardella pringlei</i>	Showy raillardia	14	None	None	G2G3	S2S3	1B.2	BLM_S-Sensitive USFS_S-Sensitive	X					Bog and fen Meadow and seep Upper montane coniferous forest Wetland
<i>Rhamnus alnifolia</i>	Alder buckthorn	10	None	None	G5	S2	2B.2				X		X	Lower montane coniferous forest Meadow and seep Riparian scrub Upper montane coniferous forest Wetland
<i>Rhynchospora alba</i>	White beaked-rush	3	None	None	G5	S2	2B.2			X		X		Bog and fen Marsh and swamp Wetland
<i>Rhynchospora californica</i>	California beaked rush	8	None	None	G1	S1	1B.1	BLM_S-Sensitive			X	X		Freshwater marsh Lower montane coniferous forest Marsh and swamp Meadow and seep Wetland
<i>Rhynchospora capitellata</i>	Brownish beaked-rush	14	None	None	G5	S2S3	2B.2		X		X	X	X	Lower montane coniferous forest Marsh and swamp Meadow and seep Upper montane coniferous forest Wetland
<i>Rhynchospora globularis</i>	Round-headed beaked-rush	2	None	None	G4	S1	2B.1					X		Freshwater marsh Marsh and swamp Wetland
<i>Rorippa columbiae</i>	Columbia yellow cress	1	None	None	G3	S1	1B.1	BLM_S-Sensitive USFS_S-Sensitive	X					Alkali playa Lower montane coniferous forest Meadow and seep Vernal pool Wetland
<i>Rorippa subumbellata</i>	Tahoe yellow cress	28	None	Endangered	G1	S1	1B.1	USFS_S-Sensitive					X	Freshwater marsh Lower montane coniferous forest Marsh and swamp Meadow and seep Wetland
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	71	None	None	G3	S3	1B.2	BLM_S-Sensitive	X	X	X	X	X	Marsh and swamp Wetland

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<i>Sanguisorba officinalis</i>	Great burnet	19	None	None	G5?	S2	2B.2		X					Bog and fen Broadleaved upland forest Marsh and swamp Meadow and seep North coast coniferous forest Riparian forest Wetland
<i>Schoenoplectus heterochaetus</i>	Slender bulrush	1	None	None	G5	S1	2B.1				X			Lower montane coniferous forest Marsh and swamp Wetland
<i>Schoenoplectus subterminalis</i>	Water bulrush	11	None	None	G4G5	S3	2B.3		X	X	X		X	Bog and fen Marsh and swamp Wetland
<i>Scutellaria galericulata</i>	Marsh skullcap	15	None	None	G5	S2	2B.2			X	X	X	X	Lower montane coniferous forest Marsh and swamp Meadow and seep Wetland
<i>Scutellaria lateriflora</i>	Side-flowering skullcap	8	None	None	G5	S2	2B.2				X			Marsh and swamp Meadow and seep Wetland
<i>Sidalcea calycosa</i> ssp. <i>rhizomata</i>	Point Reyes checkerbloom	28	None	None	G5T2	S2	1B.2					X		Freshwater marsh Marsh and swamp Wetland
<i>Sidalcea oregana</i> ssp. <i>eximia</i>	Coast checkerbloom	18	None	None	G5T1	S1	1B.2	BLM_S-Sensitive	X					Lower montane coniferous forest Meadow and seep North coast coniferous forest Wetland
<i>Sidalcea oregana</i> ssp. <i>hydrophila</i>	Marsh checkerbloom	11	None	None	G5T2	S2	1B.2				X			Meadow and seep Riparian forest Wetland
<i>Sidalcea oregana</i> ssp. <i>valida</i>	Kenwood Marsh checkerbloom	2	Endangered	Endangered	G5T1	S1	1B.1					X		Freshwater marsh Marsh and swamp Wetland
<i>Spergularia canadensis</i> var. <i>occidentalis</i>	Western sand-spurry	4	None	None	G5T4	S1	2B.1		X					Marsh and swamp Wetland
<i>Stellaria longifolia</i>	Long-leaved starwort	6	None	None	G5	S2	2B.2			X	X			Bog and fen Meadow and seep Riparian woodland Upper montane coniferous forest Wetland
<i>Stuckenia filiformis</i> ssp. <i>apina</i>	Slender-leaved pondweed	12	None	None	G5T5	S3	2B.2			X	X	X	X	Marsh and swamp Wetland
<i>Suaeda californica</i>	California seablite	10	Endangered	None	G1	S1	1B.1					X		Freshwater marsh Marsh and swamp Wetland
<i>Symphotrichum lentum</i>	Suisun marsh aster	129	None	None	G2	S2	1B.2				X	X		Brackish marsh Freshwater marsh Marsh and swamp Wetland
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis	2	None	None	G4T3	S1	2B.1				X			Marsh and swamp Meadow and seep Riparian forest Vernal pool Wetland
<i>Trichostema ruygtii</i>	Napa bluecurls	1	None	None	G1G2	S1S2	1B.2					X		Chaparral Cismontane woodland Lower montane coniferous forest Valley and foothill grassland Vernal pool Wetland
<i>Trifolium hydrophilum</i>	Saline clover	35	None	None	G2	S2	1B.2				X	X		Marsh and swamp Valley and foothill grassland Vernal pool Wetland
<i>Trifolium jokerstii</i>	Butte county golden clover	11	None	None	G2	S2	1B.2	BLM_S-Sensitive			X			Valley and foothill grassland Vernal pool Wetland
<i>Trifolium siskiyouense</i>	Siskiyou clover	1	None	None	GH	SH	1B.1			X				Meadow and seep Wetland
<i>Tuctoria greenei</i>	Greene's tuctoria	22	Endangered	Rare	G1	S1	1B.1			X	X			Valley and foothill grassland Vernal pool Wetland
<i>Tuctoria mucronata</i>	Crampton's tuctoria or Solano grass	4	Endangered	Endangered	G1	S1.1	1B.1				X			Valley and foothill grassland Vernal pool Wetland
<i>Utricularia intermedia</i>	Flat-leaved bladderwort	1	None	None	G5	S3	2B.2				X			Bog and fen Marsh and swamp Meadow and seep Vernal pool Wetland

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<i>Utricularia ochroleuca</i>	Cream-flowered bladderwort	1	None	None	G4G5	S1	2B.2						X	Marsh and swamp Meadow and seep Wetland
<i>Vaccinium shastense</i> ssp. <i>shastense</i>	Shasta huckleberry	21	None	None	G4T3	S3	1B.3			X				Chaparral Cismontane woodland Lower montane coniferous forest Riparian forest Subalpine coniferous forest
<i>Viola langsdorffii</i>	Langsdorf's violet	2	None	None	G4	S1	2B.1		X					Bog and fen Wetland
<i>Viola palustris</i>	Alpine marsh violet	10	None	None	G5	S1S2	2B.2		X					Bog and fen Coastal scrub Wetland
<i>Viola primulifolia</i> ssp. <i>occidentalis</i>	Western white bog violet	18	None	None	G5T2	S2	1B.2	USFS_S-Sensitive	X					Bog and fen Marsh and swamp Ultramafic Wetland
<i>Wolffia brasiliensis</i>	Brazilian watermeal	4	None	None	G5	S1	2B.3				X			Marsh and swamp Wetland

Notes:

Rarefind 5 search of 18 Counties with SWP or CVP facilities - part of Sites Reservoir Project Affected Environment - Secondary Study Area.

Source: California Department of Fish and Game (DFG). California Natural Diversity Database (CNDDB). 2017. Data from RareFind 5 retrieved March 4, 2017

Search Criteria: Taxonomic Group is (Ferns or Gymnosperms or Monocots or Dicots or Lichens or Bryophytes) and County is (Alameda or Butte or Colusa or Contra Costa or Del Norte or El Dorado or Glenn or Humboldt or Marin or Placer or Sacramento or San Francisco or San Mateo or Santa Clara or Shasta or Solano or Sonoma or Sutter or Tehama or Trinity or Yolo or Yuba) and Elevation is less than or equal to "2700" and Habitat is (Alkali marsh or Aquatic or Brackish marsh or Estuary or Freshwater marsh or Klamath/North coast flowing waters or Klamath/North coast standing waters or Marine bay or Marsh and swamp or Mud shore/flats or Riparian forest or Riparian scrub or Riparian woodland or Sacramento/San Joaquin flowing waters or Sacramento/San Joaquin standing waters or Salt marsh or Swamp or Wetland).

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