

## **Appendix E4-2**

**Special-status plant species with potential to  
occur at SMUD facilities**

Appendix Table E4-2. Special-status plant species that may occur at SMUD Facilities.																	
Scientific Name Common Name	Potential to Occur in Facility Area - High (H), Medium (M), Low (L), Unsuitable (U)									Status				Habitat Requirements	Blooming/ Sensitive Period	Existing Information	
	Rubicon River	Little Rubicon River	Gerle Creek & Little Rocky Creek	South Fork Rubicon River	South Fork Silver Creek	Silver Creek	Brush Creek	South Fork American River	Transmission Line	FED	ENF	CA	CNPS				
<i>Allium sanbornii</i> var. <i>congdonii</i> Congdon's onion										L	-	WL	-	4	Chaparral, oak woodland; on serpentine or volcanic substrates	April-July	NA
<i>Allium sanbornii</i> var. <i>sanbornii</i> Sanborn's onion										L	-	WL	-	4	Chaparral, oak woodland, lower mixed conifer; gravelly serpentine.	May-September	NA
<i>Arctostaphylos nissenana</i> Nissenan manzanita										M	FSC	FSS	-	1B	Chaparral, closed cone forest, shale soils	February-March	NA
<i>Astragalus whitneyi</i> var. <i>lenophyllus</i> Whitney's milkvetch	L	L	L	L	L	L	L	L	L	L	-	WL	-	-	Easterly summits of the Sierra Nevada; Open rocky places above 7,000 feet	July-August	NA
<i>Atriplex joaquiniana</i> San Joaquin sparscale										L	FSC	-	-	1B	Valley and foothill grassland, known from Clarksville quad	April-October	NA
<i>Bolandra californica</i> California bolandra	L	L	M	M	M	H	M	L	M	M	-	WL	-	4	Red fir to ponderosa pine forest; wet crevices and rocks	June-July	NA
<i>Botrychium ascendens</i> upswept moonwort	L	L	M	L	M	M	L	L	M	M	FSC	FSS	-	2	Grassy fields, coniferous woods near streams; near Fallen Leaf Lake in ENF	July-August	NA
<i>Botrychium crenulatum</i> scalloped moonwort	L	L	M	L	M	M	L	L	M	M	FSC	FSS	-	1B	Bogs, fens, meadows and marshes, lower coniferous forest	June-July	NA
<i>Botrychium lunaria</i> moonwort	L	L	M	L	M	M	L	L	M	M	-	FSS	-	2	Meadows, subalpine and upper coniferous forest	August	NA
<i>Botrychium montanum</i> western goblin	L	L	M	L	M	M	L	L	M	M	-	FSS	-	2	Meadows in lower mixed conifer forest	July-August	NA
<i>Calochortus clavatus</i> var. <i>avius</i> Pleasant Valley mariposa			L	L	L	H	L	L	H	M	FSC	FSS	-	1B	South-facing rocky openings; mixed conifer and ponderosa pine; Union Valley Reservoir and south	June-July	CALCLAA-CR-02
<i>Calystegia stebbinsii</i> Stebbin's morning glory									H	M	FE	-	CE	1B	Chaparral openings, serpentinite or gabbroic	April-July	Pine Hill formation
<i>Carex limosa</i> shore sedge	L	L	L		L	M		L	M	M	-	-	-	2	Wet meadows, often with Sphagnum moss; Sierran crest; no populations confirmed in ENF	June-August	NA
<i>Ceanothus roderickii</i> Pine Hill ceanothus									H	M	FE	-	CR	1B	Chaparral openings, cismontane woodlands, serpentinite or gabbroic	May-June	NA
<i>Chaenactis douglasii</i> var. <i>alpina</i> alpine dusty maidens	M	M							L	M	-	-	-	2	Alpine boulder fields, typically granitic	August	NA
<i>Chlorogalum grandiflorum</i> Red Hills soaproot						H		H	H	M	FSC	WL	-	1B	Chaparral, oak woodland; serpentine or gabbroic soils	May-June	Pine Hill formation
<i>Clarkia biloba</i> ssp. <i>Brandegeae</i> Brandegee's clarkia								L	M	M	-	-	-	1B	Chaparral, cismontane woodland, often in roadcuts	April-May	NA
<i>Cypripedium montanum</i> mountain lady's slipper	M	M	M	L	L	M	M	M	M	M	-	FSS	-	4	Moist forested hillslopes with <i>Rhododendron</i> sp., <i>Cornus stolonifera</i> ; not known from ENF	May-July	NA
<i>Draba asterophora</i> var. <i>asterophora</i> Tahoe draba	L	L													Subalpine forest and alpine boulder fields	July - August	NA
<i>Draba asterophora</i> var. <i>macrocarpa</i> Cup lake draba	L	L													Rocky subalpine forests	July	NA
<i>Drosera rotundifolia</i> round-leaved sundew			M		H	M			L	M	-	WL	-	-	Bogs and fens	July-August	NA

Appendix Table E4-2 (Continued)																
Scientific Name Common Name	Potential to Occur in Facility Area - High (H), Medium (M), Low (L), Unsuitable (U)									Status				Habitat Requirements	Blooming/ Sensitive Period	Existing Information
	Rubicon River	Little Rubicon River	Gerle Creek & Little Rocky Creek	South Fork Rubicon River	South Fork Silver Creek	Silver Creek	Brush Creek South Fork	American River	Transmission Line	FED	ENF	CA	CNPS			
<i>Epilobium howellii</i> subalpine fireweed	L	L	M		M	M			M	-	FSS	-	1B	Wet meadows, marshes; Sierran crest; no populations confirmed in ENF	July-August	NA
<i>Epilobium oregonum</i> Oregon fireweed	L	L	L		L	L			L	FSC	FSS	-	1B	Bogs and fens, mixed conifer, unconfirmed records from ENF are above 7,000 feet	June-August	NA
<i>Eriogonum tripodium</i> tripod buckwheat								L	M	-	-	-	4	Chaparral, oak woodland; on serpentine	May-July	NA
<i>Fremontodendron decumbens</i> Pine Hill flannelbush									H	FE	-	CR	1B	Chaparral openings, cismontane woodlands, rocky, serpentinite or gabbroic	April-July	Pine Hill formation
<i>Galium californicum ssp. sierrae</i> El Dorado bedstraw									H	FE	-	-	1B	Chaparral openings, cismontane woodlands, lower coniferous forest, serpentinite or gabbroic	May-June	Pine Hill formation
<i>Helianthemum suffrutescens</i> Bisbee peak rush-rose									H	-	-	-	3	Chaparral, often serpentinite, gabbroic, lone soils	April-July	Pine Hill formation
<i>Horkelia parryii</i> Parry's horkelia								L	L	FSC	FSS	-	1B	Chaparral, oak woodland; Acid soils of the Ione formation	April-June	NA
<i>Lewisia longipetala</i> long-petaled lewisia	L	L							U	FSC	FSS	-	1B	Subalpine forest and alpine boulder fields	July-August	NA
<i>Lewisia serrata</i> saw-toothed lewisia						H	L	L	L	FSC	FSS	-	1B	North-facing rock faces near streams or seeps, lower montane coniferous forest	May-June	NA
<i>Lilium humboldtii</i> Humboldt lily			L	L	L	M	H	H	M	-	WL	-	4	Openings in chaparral, lower conifer forest	June-July	NA
<i>Lomatium stebbinsii</i> Stebbins' lomatium						L	L	L	L	FSC	FSS	-	1B	Gravelly, volcanic clay "balds" in chaparral, lower conifer forest; not known from ENF	March-April	NA
<i>Myrica hartwegii</i> Sierra sweet bay	L	L	L	L	M	H	M	M	M	-	WL	-	-	Stream banks below 5,000 feet, ponderosa pine forest	May-June	NA
<i>Navarretia myersii ssp. myersii</i> pincushion navarretia									L	-	-	-	1B	Vernal pools	May	NA
<i>Navarretia prolifera ssp. lutea</i> yellow bur navarretia								L	H	FSC	FSS	-	4	Openings of volcanic soil outcrops, lower coniferous forest; all populations south of Jaybird Powerhouse	May-July	Unconfirmed @ Slab Creek Res.
<i>Orcuttia viscida</i> Sacramento Orcutt grass									L	FE	-	CE	1B	Vernal pools	April-June	NA
<i>Phacelia stebbinsii</i> Stebbin's phacelia	L	L	H	H	H	H	M	M	M	FSC	FSS	-	1B	Metamorphic rocks and rubble often near streams, lower montane coniferous forest	June	NA
<i>Phacelia vallicola</i> Mariposa phacelia	L	L	M	M	M	H	M	M	M	-	WL	-	-	Volcanic outcrops, dry sites	May-June	NA
<i>Piperia leptopetala</i> narrow-petaled reinorchid	M	M	M	M	M		M	L	L	-	WL	-	-	Dry sites in mixed conifer forest, chaparral	May-September	NA
<i>Potamogeton epihydrus ssp. nuttallii</i> Nuttall's pondweed	H	H	H	L					L	-	-	-	2	Quiet water of marshes and swamps	July- Aug	NA
<i>Rorippa subumbellata</i> Tahoe yellow cress	L	L												Sandy beaches, lakeside margins, riparian, known only from Lake Tahoe	June - July	NA
<i>Scutellaria galericulata</i> marsh skullcap	L	L	M		M	M		L	L	-	-	2	2	Meadows, seeps, lower montane coniferous forest	April-July	NA

Appendix Table E4-2 (Continued)																	
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	Rubicon River	Little Rubicon River	Gerle Creek & Little Rocky Creek	South Fork Rubicon River	South Fork Silver Creek	Silver Creek	Brush Creek	South Fork American River	Transmission Line <sup>1</sup>	FED	ENF	CA				CNPS	
<i>Senecio layneae</i> Layne's ragwort									L	H	FT	FSS	CR	1B	Oak woodland, chaparral; serpentine or gabbroic soils	April-July	Pine Hill formation
<i>Silene invisa</i> hidden petal campion	M	M	M	L	M	L				M	-	FSS	-	4	Meadow edges, open forests of red fir above 6,000 feet	July-August	NA
<i>Taxus brevifolia</i> Pacific yew	L	L	L	L	L	H	H	M	M	M	-	WL	-	-	Streambanks, ravines, lower coniferous forest mostly below 3,000 feet	May-September	NA
<i>Viburnum ellipticum</i> oval-leaved viburnum							L	L		M	-	-	-	2	Chaparral openings, cismontane woodlands, lower coniferous forest	May-June	NA
<i>Viola tomentosa</i> wooly violet	H	H	H	H	H	H	L			H	-	WL	-	1B	Gravelly or coarse sandy openings in ponderosa pine forest above 5,000 feet	May-August	Unconfirmed @ Union Valley Res.
<i>Wyethia reticulata</i> El Dorado County mule ears										H	FSC	-	-	1B	Chaparral openings, cismontane woodlands, lower coniferous forest, serpentinite or gabbroic	May-July	Pine Hill formation

<sup>1</sup>SMUD Transmission Line from Folsom Junction to Loon Lake and Jones Fork Powerhouses.

- FSC = Federal Species of Special Concern  
 FE = Endangered on the Federal ESA  
 FT = Threatened on Federal ESA  
 FSS = United States Forest Service Sensitive Species  
 WL = Watch List  
 CNPS 1B = Species considered by the California Native Plant Society as rare or endangered in California or elsewhere.  
 CNPS 2 = Species considered by the California Native Plant Society as rare or endangered in California but more common elsewhere  
 CNPS 4 = Species considered by the California Native Plant Society as plants of limited distribution.