
Appendix C1

Biological Resources Summary Tables

Table 1. Watersheds (HUC 10) Within the Working Area

Working Area	Acreage
<i>Northern California (Lassen Facility)</i>	
Angel Slough	3,105
Antelope Creek	69,005
Ash Creek	110,744
Ash Creek-Sacramento River	1,401
Badger Basin-Willow Creek	66,225
Battle Creek	721
Baxter Creek-Frontal Honey Lake	34,434
Bear Creek	132,000
Beaver Creek	42,458
Beegum Creek	30
Big Chico Creek	27,982
Big French Creek-Trinity River	4,772
Big Sage Reservoir-Rattlesnake Creek	116,268
Blacks Canyon-Pit River	105,803
Bogus Creek-Klamath River	21,945
Browns Creek	18,212
Burney Creek	97,419
Butt Creek	39,016
Butte Creek	109,901
Butte Creek-Ash Creek	15,218
Butte Creek-Lost Creek	153,382
Butte Valley	43,933
Canyon Creek	51,902
Canyon Creek-Scott River	2,982
Castle Creek-Sacramento River	70,921
Cedar Creek	25,424
Churn Creek-Sacramento River	11,313
Claiborne Creek-McCloud River	59,265
Clear Creek	75,120
Clover Swale Creek	42,071
Coffee Creek	74,835
Cold Spring Creek-Madeline Plains	4,957
Copco Reservoir-Klamath River	36,463
Copic Bay	223,635
Cottonwood Creek	19,417
Cottonwood Creek-Ash Creek	48,024
Cow Creek	13,211
Deep Creek	1,693

Deep Creek-Secret Creek	156
Deer Creek	121,947
Dibble Creek-Sacramento River	4
Downie River	12,923
Dry Creek-Frontal Goose Lake	49,933
Dry Creek-South Fork Pit River	37,263
Dry Valley-Grasshopper Valley	20,329
Duck Flat Wash-Frontal Duck Lake	1,007
East Branch North Fork Feather River	48,947
East Fork Scott River	51,082
East Fork Trinity River	74,335
Fall River	117,908
Fletcher Creek-Boles Creek	216,039
French Creek-Scott River	80,719
Greenhorn Creek	43,403
Hamilton Branch	114,832
Hat Creek	202,608
Headwaters North Fork Feather River	68,761
Horse Creek	98,508
Horse Creek-Klamath River	15,305
Horse Lake-Willow Creek	19,973
Humbug Creek-Klamath River	61,797
Indian Creek-Scott River	26,398
Iron Gate Reservoir-Klamath River	434
Jenny Creek	133
Jess Valley-South Fork Pit River	69,875
John C Boyle Reservoir-Klamath River	8,274
Juniper Creek	33,947
Kidder Creek-Scott River	22,422
Kosk Creek-Pit River	165,221
Lake Shastina-Shasta River	54,379
Langell Valley-Lost River	16
Last Chance Creek	130,155
Lights Creek	66,817
Little Cow Creek	31,769
Little Last Chance Creek	59,132
Little Shasta River	37,678
Lower Alkali Lake	23,565
Lower Butte Creek	1,311
Lower Indian Creek	79,175
Lower Klamath Lake	51,545

Lower Long Valley Creek-Frontal Honey Lake	16,684
Lower Middle Fork Feather River	117,979
Lower North Fork Feather River	58,158
Lower North Yuba River	46,674
Lower Pine Creek-Eagle Lake	81,557
Lower Susan River-Frontal Honey Lake	35,543
McCloud River Arm-Shasta Lake	49,515
Medicine Lake-Paynes Creek	157,930
Middle Alkali Lake	41,798
Middle Butte Creek	12,064
Middle Fork Cottonwood Creek	8,350
Middle Middle Fork Feather River	128,954
Middle North Fork Feather River	131,459
Middle Pine Creek	62,810
Mill Creek	66,668
Mills Creek-Lost River	4,276
Moffett Creek	46,084
Mowitz Creek-Clear Lake	110,461
Mud Creek	5,883
Mud Creek-McCloud River	141,877
North Fork Battle Creek	102,254
North Fork Cottonwood Creek	23,737
North Fork Pit River	35,355
North Fork Salmon River	37,626
North Fork Trinity River	14,894
North Fork Willow Creek-Willow Creek	62,849
Oat Creek-Sacramento River	1,463
Old Cow Creek	28,349
Parker Creek	28,750
Parks Creek-Shasta River	87,790
Paynes Creek	15,796
Pine Creek	7,418
Pine Creek-South Fork Pit River	32,676
Pit River Arm-Shasta Lake	65,259
Red Clover Creek	77,758
Red Rock Valley-Antelope Creek	77,556
Roaring Creek-Pit River	69,547
Rock Creek-Lost River	30,534
Rush Creek-Ash Creek	51,441
Sacramento River Arm-Shasta Lake	110,288
Sierra Valley	22,638

Slate Creek-Sacramento River	102,334
South Cow Creek	18,666
South Fork Battle Creek	43,333
South Fork Feather River	37,036
South Fork Salmon River	87,078
Spanish Creek	80,355
Squaw Creek	64,033
Squaw Valley Creek	63,000
Stillwater Creek	5,038
Stuart Fork	88,264
Swift Creek-Trinity River	120,279
Tangle Blue Creek-Trinity River	101,394
Taylor Reservoir	229,666
Toomes Creek	9,512
Town of Pittville-Pit River	44,693
Tule Lake	72,665
Turner Creek	48,848
Twentymile Creek	5,646
Upper Alkali Lake	47,431
Upper Butte Creek	55,388
Upper Indian Creek	71,895
Upper Long Valley Creek	3,693
Upper Middle Fork Feather River	124,646
Upper North Fork Feather River	123,229
Upper Pine Creek	59,861
Upper Susan River	116,486
Van Loan Creek-Madeline Plains	6,246
Wagon Creek-Sacramento River	67,655
Warm Springs Valley-Pit River	9,055
Weaver Creek-Trinity River	107,392
West Branch Feather River	68,782
Widow Valley Creek-Pit River	42,098
Willow Creek	53,266
Willow Creek-Frontal Goose Lake	69,028
Wolf Creek	41,981
Yellow Creek	45,150
Yreka Creek-Shasta River	16,733
Central Sierra Nevada (Tuolumne Facility)	
Adobe Valley	60,495
Alkali Valley-Frontal Mono Lake	13,061
Arroyo de la Laguna	3

Bear Creek-Merced River	33,278
Big Creek	85,488
Big Creek-Tuolumne River	62,270
Big Sandy Creek-San Joaquin River	21,020
Camp Creek	36,151
Cherry Creek	90,596
Chiquito Creek	62,463
Clark Fork	43,774
Clavey River	100,554
Coarse Gold Creek	1,264
Coon Creek	32
Cottonwood Creek-San Joaquin River	4,120
Deer Creek	983
Desert Creek	15,958
Dinkey Creek	84,307
Dry Creek	3,946
Dry Creek-Frontal Mono Lake	65,655
Duck Slough	59
El Toro Creek-Salinas River	14
Eleanor Creek	34,225
Falls Creek-Tuolumne River	64,332
Fine Gold Creek	6,123
Fish Creek	57,341
General Creek-Frontal Lake Tahoe	63,809
Granite Creek	40,889
Guadalupe River-Frontal San Francisco Bay Estuaries	6,534
Headwaters East Walker River	135,019
Headwaters Merced River	95,361
Headwaters Tuolumne River	83,689
Hot Creek-Owens River	191,755
Huntoon Valley	4,129
Jackson Creek	782
Kaiser Creek-San Joaquin River	84,925
Lake Tahoe	100
Larious Creek-Silver Creek	219
Lee Vining Creek-Frontal Mono Lake	68,971
Llagas Creek	103
Lower Dry Creek	2
Lower Middle Fork American River	33,757
Lower Middle Fork Stanislaus River	107,156
Lower North Fork American River	29,980

Lower North Fork Mokelumne River	102,210
Lower San Benito River	116
Lower South Fork American River	899
Lower South Fork San Joaquin River	55,041
Lower West Walker River	46
Marlette Lake-Frontal Lake Tahoe	3,829
Maxwell Creek-Merced River	2,801
Middle Bear River	2,408
Middle East Fork Carson River	32,228
Middle Fork Cosumnes River	56,908
Middle Fork Mokelumne River	37,791
Middle Fork San Joaquin River	100,051
Middle Fresno River	71
Middle South Fork American River	38,688
Middle Tuolumne River	42,017
Middle West Walker River	80,798
Mill Creek	7
Moccasin Creek-Tuolumne River	2,252
Mono Creek	65,424
Mono Lake	44,456
Monterey Bay	17,493
Napa River	0
North Fork Calaveras River	10,531
North Fork Cosumnes River	48,086
North Fork Kings River	48,057
North Fork Merced River	65,213
North Fork Middle Fork American River	58,445
North Fork Stanislaus River	173,704
North Fork Tuolumne River	59,984
Pajaro River	8,445
Pescadero Creek	4,263
Pine Flat Reservoir-Kings River	99,825
Prosser Creek-Truckee River	35,513
Rancheria Creek	26,007
Rock Creek	45,557
Rough Creek	2,530
Rubicon River	201,825
Rush Creek	83,202
San Antonio Creek-South Fork Calaveras River	23,047
San Gregorio Creek-Frontal Pacific Ocean	74
San Lorenzo Creek-Frontal San Francisco Bay Estuaries	1,531

San Lorenzo River	20,686
San Pablo Creek-Frontal San Pablo Bay Estuaries	501
Saratoga Creek-Frontal San Francisco Bay Estuaries	5,373
Silver Creek	113,506
Silver Fork American River	71,188
South Fork Cosumnes River	20,781
South Fork Merced River	143,488
South Fork Mokelumne River	36,858
South Fork Stanislaus River	64,081
South Fork Tuolumne River	55,572
Stevenson Creek-San Joaquin River	102,761
Sutter Creek	12,264
Tembladero Slough	52
Third Creek-Frontal Lake Tahoe	14,933
Upper Bear River	36,970
Upper Chowchilla River	21,962
Upper Cosumnes River	129
Upper Coyote Creek	49
Upper Dry Creek	1,953
Upper East Fork Carson River	164,213
Upper East Walker River	51,078
Upper Fresno River	31,403
Upper Middle Fork American River	71,011
Upper Middle Fork Stanislaus River	74,805
Upper Mokelumne River	854
Upper North Fork American River	130,174
Upper North Fork Mokelumne River	125,077
Upper San Benito River	12
Upper South Fork American River	101,463
Upper South Fork San Joaquin River	94,244
Upper South Yuba River	737
Upper Stanislaus River	32,001
Upper Truckee River-Frontal Lake Tahoe	59,262
Upper West Walker River	115,396
Uvas Creek	5,392
Weber Creek	6,748
West Fork Carson River	59,720
Willow Creek	82,971
Wolf Creek	11,514
Woods Creek	4,036
Yosemite Creek-Merced River	100,342

Table 2. Special-Status Plant Species Habitat in the Region of the Working Area

Scientific Name	Common Name	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Status				Working Area	
			CRPR	CESA	FESA	Other	Northern California/ Oregon Area	Central California/ Sierra/Eastern Nevada
<i>Abies amabilis</i>	Pacific silver fir	Upper montane coniferous forest/perennial evergreen tree/N.A./5580–7200	2B.3	--	--	--	Y	Y
<i>Abies lasiocarpa</i> var. <i>lasiocarpa</i>	subalpine fir	Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest/perennial evergreen tree/3,100–7,295	2B.3	--	--	--	Y	Y
<i>Abronia nana</i> var. <i>covillei</i>	Coville's dwarf abronia	Great Basin scrub, Joshua tree "woodland", Pinyon and juniper woodland, Subalpine coniferous forest, Upper montane coniferous forest; Carbonate, Sandy/perennial herb/May–Aug/5,000–10,170	4.2	--	--	USFS	N	Y
<i>Acmispon rubriflorus</i>	red-flowered bird's-foot trefoil	Cismontane woodland, Valley and foothill grassland/annual herb/Apr–June/655–1395	1B.1	--	--	--	Y	Y
<i>Ageratina shastensis</i>	Shasta ageratina	Chaparral, Lower montane coniferous forest; Carbonate (often), Rocky/perennial herb/June–Oct/1,310–5,905	1B.2	--	--	--	Y	N
<i>Agrostis humilis</i>	mountain bent grass	Alpine boulder and rock field, Meadows and seeps, Subalpine coniferous forest; Carbonate (sometimes)/perennial herb/July–Sep/8,755–10,495	2B.3	--	--	--	N	Y
<i>Alisma gramineum</i>	grass alisma	Marshes and swamps (shallow freshwater)/perennial rhizomatous herb (aquatic)/June–Aug/1,275–5,905	2B.2	--	--	--	Y	N
<i>Allium abramsii</i>	Abrams' onion	Lower montane coniferous forest, Upper montane coniferous forest; Granitic (often)/perennial bulbiferous herb/May–July/2,900–10,005	1B.2	--	--	--	N	Y
<i>Allium atrorubens</i> var. <i>atorrubens</i>	Great Basin onion	Great Basin scrub, Pinyon and juniper woodland; Rocky (sometimes), Sandy (sometimes)/perennial bulbiferous herb/May–June/3,935–7,595	2B.3	--	--	--	Y	Y
<i>Allium geyeri</i> var. <i>tenerum</i>	bulbil onion	Meadows and seeps; Rocky, Streambanks/perennial bulbiferous herb/May/4,900–4,900	2B.1	--	--	--	Y	N
<i>Allium incomptum</i>	Minnesota Mountain onion	Chaparral, Lower montane coniferous forest; Gravelly, Openings, Rocky/perennial bulbiferous herb/Apr–May/3,890–4,250	1B.3	--	--	--	Y	N
<i>Allium jepsonii</i>	Jepson's onion	Chaparral, Cismontane woodland, Lower montane coniferous forest; Serpentine, Volcanic/perennial bulbiferous herb/Apr–Aug/985–4,330	1B.2	--	--	BLM; USFS	Y	N

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<i>Allium punctum</i>	dotted onion	Pinyon and juniper woodland; Rocky/perennial bulbiferous herb/Apr–May/3,935–5,245	2B.2	--	--	--	Y	N
<i>Allium tribracteatum</i>	three-bracted onion	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; Volcanic/perennial bulbiferous herb/Apr–Aug/3,605–9,840	1B.2	--	--	USFS	N	Y
<i>Allium tuolumnense</i>	Rawhide Hill onion	Cismontane woodland (serpentinite)/perennial bulbiferous herb/Mar–May/985–1,965	1B.2	--	--	BLM	N	Y
<i>Allium yosemitense</i>	Yosemite onion	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest; Granitic (sometimes), Metamorphic (sometimes), Rocky/perennial bulbiferous herb/Apr–July/1,755–7,215	1B.3	CR	--	USFS	N	Y
<i>Anastrophyllum minutum</i>	Comb notchwort	Northern boreal, montane, peaty soil/perennial liverwort/N.A./above 5,500	--	--	--	USFS	Y	N
<i>Androsace filiformis</i>	slender-stemmed androsace	Meadows and seeps, Upper montane coniferous forest/annual herb/June–Oct/5,905–6,000	2B.3	--	--	--	Y	N
<i>Anemone multifida</i> var. <i>multifida</i>	cut-leaf anemone	Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Carbonate (sometimes), Gravelly, Rocky, Volcanic (sometimes)/perennial herb/Apr–July/5,575–9,020	2B.2	--	--	--	N	Y
<i>Anisocarpus scabridus</i>	scabrid alpine tarplant	Upper montane coniferous forest (metamorphic, rocky)/perennial herb/July–Aug(Sep)/5,410–7,545	1B.3	--	--	USFS	Y	N
<i>Angelica wheeleri</i>	Utah angelica	Riparian, wetland areas, in seeps and springs; UT endemic/perennial forb or herb/June–August/5,000–10,007	--	--	--	USFS	N	Y
<i>Antennaria arcuata</i>	Meadow pussy-toes	Moist alkaline meadows, seeps and springs (in sagebrush steppe/grasslands); Bare, periodically disturbed soil/perennial herbaceous forb/June–Aug/4,500–7,500	--	--	--	BLM; USFS	N	Y
<i>Antennaria soliceps</i>	Charleston Mountain Pussy-toes	Limestone talus (gravel areas), timbered mountain meadows, bristlecone pine woodland, alpine zones; Spring Mtns, NV endemic/perennial herb/June–Aug/8,660–11,650	--	--	--	USFS	N	Y
<i>Anthoxanthum nitens</i> ssp. <i>nitens</i>	vanilla-grass	Meadows and seeps (mesic)/perennial rhizomatous herb/Apr–July/4,920–6,215	2B.3	--	--	--	Y	N
<i>Arabis rigidissima</i> var. <i>demota</i>	Galena Creek rockcross	Broadleafed upland forest, Upper montane coniferous forest; Rocky/perennial herb/July–Aug/7,395–8,395	1B.2	--	--	USFS	N	Y
<i>Arabis rigidissima</i> var. <i>rigidissima</i>	Trinity Mountains rockcross	Upper montane coniferous forest (gravelly, rocky)/perennial herb/June–Aug/3,900–7,215	1B.3	--	--	--	Y	N
<i>Arctostaphylos klamathensis</i>	Klamath manzanita	Chaparral (montane), Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Gabbroic (sometimes), Rocky, Serpentine	1B.2	--	--	--	Y	N

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		(sometimes)/perennial evergreen shrub/May–Aug/4,490–7,380						
<i>Arctostaphylos myrtifolia</i>	lone manzanita	Chaparral, Cismontane woodland; Acidic, Clay (sometimes), Sandy (sometimes)/perennial evergreen shrub/Nov–Mar/195–1,900	1B.2	--	FT	--	N	Y
<i>Arctostaphylos nissenana</i>	Nissenan manzanita	Chaparral, Closed-cone coniferous forest; Rocky/perennial evergreen shrub/Feb–Mar/1,475–3,605	1B.2	--	--	BLM; USFS	N	Y
<i>Arnica fulgens</i>	hillside arnica	Great Basin scrub, Lower montane coniferous forest, Meadows and seeps; Mesic/perennial rhizomatous herb/May–July(Aug)/4,900–8,855	2B.2	--	--	--	Y	N
<i>Artemisia tripartita</i> ssp. <i>tripartita</i>	threetip sagebrush	Upper montane coniferous forest (openings); Rocky, Volcanic/perennial shrub/Aug/7,215–8,530	2B.3	--	--	--	Y	Y
<i>Asclepias eastwoodiana</i> ¹	Eastwood milkweed	Desert scrub, Lower pinyon-juniper zones, shrubby grasslands, valleys, shale outcrops; Calcareous clay knolls, sand, carbonate, basaltic gravels; NV endemic/perennial herb; forb/Apr-June/4,590-7,220	--	--	--	BLM; USFS	N	Y
<i>Asplenium septentrionale</i>	northern spleenwort	Chaparral, Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Rocky/perennial rhizomatous herb/July–Aug/5,295–10,990	2B.3	--	--	--	Y	N
<i>Astragalus aequalis</i>	Clokey milkvetch	Pinon-juniper woodland, Sagebrush; Calcareous gravel flats and open ridges; NV endemic/perennial herb/Apr-June/6,000-8,200	--	--	--	USFS	N	Y
<i>Astragalus agrestis</i>	field milk-vetch	Great Basin scrub (vernally mesic), Meadows and seeps (vernally mesic); Vernally Mesic/perennial herb/Apr–July (Aug)/5,120–5,415	2B.2	--	--	BLM	Y	Y
<i>Astragalus anxius</i>	Ash Valley milk-vetch	Great Basin scrub, Pinyon and juniper woodland, Upper montane coniferous forest; Volcanic/perennial herb/May–July/5,085–5,395	1B.3	--	--	BLM; USFS	Y	N
<i>Astragalus applegatei</i>	Applegate’s milkvetch	Flat-lying, sparse floodplain grasslands; Seasonally moist, alkaline soils (fine silt loam); OR endemic/perennial herb/June-Aug/3,935-4,595	--	--	FE	USFW, USFS	N	Y
<i>Astragalus austinae</i>	Austin’s astragalus	Alpine boulder and rock field, Subalpine coniferous forest; Rocky/perennial herb/(May)July–Sep/8,005–9,740	1B.3	--	--	--	N	Y
<i>Astragalus geyeri</i> var. <i>geyeri</i>	Geyer’s milk-vetch	Chenopod scrub, Great Basin scrub; Sandy/annual herb/May–Aug/3,805–6,495	2B.2	--	--	--	Y	Y

¹ *Asclepias eastwoodiana* belongs to a group of milkweed that taxonomically controversial (Decker 2006; Flora of North America 2024). *Asclepias eastwoodiana* has been grouped with several closely related milkweed taxa under *Asclepias uncialis* (wheel milkweed), however, each of these taxa demonstrate genetic, chemical and morphological differences which may warrant a specific rank (Decker 2006; Flora of North America 2024). The taxa *A. eastwoodiana* is endemic to Nevada and is considered a species of conservation concern (Flora of North America 2024).

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<i>Astragalus johannis-howellii</i>	Long Valley milk-vetch	Great Basin scrub (sandy loam)/perennial herb/June-Aug/6,690-8,300	1B.2	CR	-	BLM; USFS	N	Y
<i>Astragalus lentiginosus var. latus</i>	Broad-pod freckled milk-vetch	Conifer Woodland, Open moderate to steep slopes on limestone; Gravelly or sandy calcareous soils; NV endemic/perennial herb/Apr-June/7,500-9,500	-	-	-	BLM; USFS	N	Y
<i>Astragalus lemmonii</i>	Lemmon's milk-vetch	Great Basin scrub, Marshes and swamps (lake margins), Meadows and seeps/perennial herb/May-Aug(Sep)/3,300-7,215	1B.2	-	-	BLM; USFS	Y	Y
<i>Astragalus oophorus var. clokeyanus</i>	Clokey eggvetch	Pinyon-juniper sagebrush woodland; Gravelly soil (limestone or rhyolitic volcanics), dry open slopes; NV endemic/perennial herb/May-July/8,100-9,100	-	-	-	USFS	N	Y
<i>Astragalus oophorus var. lavinii</i>	Lavin's milk-vetch	Great Basin scrub, Pinyon and juniper woodland/perennial herb/June/8,035-10,005	1B.2	-	-	BLM	N	Y
<i>Astragalus peckii</i>	Peck's milk-vetch	Sagebrush-juniper woodlands, ponderosa pine and lodgepole pine forests; Sandy and pumice soil; OR endemic/perennial herb/May-Aug/2,952-4,925	-	-	-	USFS	N	Y
<i>Astragalus pulsiferae var. coronensis</i>	Modoc Plateau milk-vetch	Great Basin scrub, Lower montane coniferous forest, Pinyon and juniper woodland; Gravelly, Sandy, Volcanic/perennial herb/(Apr)May-July/4,410-6,200	4.2	-	-	USFS	Y	N
<i>Astragalus pulsiferae var. pulsiferae</i>	Pulsifer's milk-vetch	Great Basin scrub, Lower montane coniferous forest, Pinyon and juniper woodland; Granitic (usually), Rocky (sometimes), Sandy (sometimes)/perennial herb/May-Aug(Sep)/4,265-5,905	1B.2	-	-	BLM; USFS	Y	N
<i>Astragalus pulsiferae var. suksdorfii</i>	Suksdorf's milk-vetch	Great Basin scrub, Lower montane coniferous forest, Pinyon and juniper woodland; Gravelly, Rocky, Volcanic/perennial herb/May-Aug/4,265-6,560	1B.2	-	-	BLM; USFS	Y	N
<i>Astragalus remotus</i>	Springs Mountains milk-vetch	Desert shrub and washes, rocky hillsides and ledges, canyons; Gravelly, sandy calcareous soil (carbonate or sandstone); NV endemic/perennial herb/Mar-June/2,950-5,500	-	-	-	BLM; USFS	N	Y
<i>Astragalus robbinsii var. occidentalis</i>	Lamoille Canyon milk-vetch	Seeps, Riparian edges and strips, near stream banks, high-elevation meadow margins; Moist, sandy loam soil; NV endemic/perennial herb/June-Aug/7,500-10,000	-	-	-	USFS	N	Y
<i>Astragalus tener var. ferrisiae</i>	Ferris' milk-vetch	Meadows and seeps (vernally mesic), Valley and foothill grassland (subalkaline flats)/annual herb/Apr-May/5-245	1B.1	-	-		Y	Y
<i>Astragalus tener var. tener</i>	alkali milk-vetch	Playas, Valley and foothill grassland (adobe clay), Vernal pools; Alkaline/annual herb/Mar-June/5-195	1B.2	-	-		N	Y
<i>Astragalus toquimanus</i>	Toquima milk-vetch	Stony hillsides, canyon benches, Sagebrush, Pinon-juniper zones; Stiff, sandy to gravelly calcareous soil; Toquima Range, Nye County, NV endemic/perennial herb/May-July/7,000	-	-	-	BLM; USFS	N	Y

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<i>Astragalus uncialis</i>	Currant milk-vetch	Hillside, sagebrush slopes (NV), Shadscale areas (UT); Alluvial fans; Calcareous sandy-clay soil; Great Basin (NV/UT) endemic/perennial herb/Apr-June/4,500-5,980	--	--	--	BLM; USFS	N	Y
<i>Astragalus webberi</i>	Webber's milk-vetch	Broadleaved upland forest, Lower montane coniferous forest, Meadows and seeps/perennial herb/May-July/2,395-4,100	1B.2	--	--	USFS	Y	N
<i>Atriplex argentea</i> var. <i>hillmanii</i>	Hillman's silverscale	Great Basin scrub, Meadows and seeps; Alkaline/annual herb/June-Sep/3,935-5,575	2B.2	--	--	--	Y	N
<i>Atriplex cordulata</i> var. <i>cordulata</i>	heartscale	Chenopod scrub, Meadows and seeps, Valley and foothill grassland (sandy); Alkaline (sometimes)/annual herb/Apr-Oct/0-1,835	1B.2	--	--	BLM	Y	Y
<i>Atriplex gardneri</i> var. <i>falcata</i>	falcate saltbush	Chenopod scrub, Great Basin scrub; Alkaline (often)/perennial herb/May-Aug/3,935-5,575	2B.2	--	--	--	Y	Y
<i>Atriplex minuscula</i>	lesser saltscale	Chenopod scrub, Playas, Valley and foothill grasslands; Alkaline, sandy soil; CA endemic/annual herb/May-Oct/50-655	1B.1	--	--	--	Y	Y
<i>Atriplex persistens</i>	vernal pool smallscale	Vernal pools (alkaline)/annual herb/June-Oct/35-375	1B.2	--	--	--	N	Y
<i>Atriplex subtilis</i>	subtle orache	Valley and foothill grassland; Alkaline/annual herb/(Apr)June-Sep (Oct)/130-330	1B.2	--	--	--	N	Y
<i>Balsamorhiza lanata</i>	woolly balsamroot	Cismontane woodland; Rocky, Volcanic/perennial herb/Apr-June/2,620-6,215	1B.2	--	--	BLM	Y	N
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot	Chaparral, Cismontane woodland, Valley and foothill grassland; Serpentinite (sometimes)/perennial herb/Mar-June/150-5,100	1B.2	--	--	BLM; USFS	Y	Y
<i>Balsamorhiza sericea</i>	silky balsamroot	Lower montane coniferous forest (serpentinite)/perennial herb/Apr-May (June-July)/2,785-6,985	1B.3	--	--	--	Y	N
<i>Balsamorhiza serrata</i>	serrated balsamroot	Great Basin scrub (rocky)/perennial herb/May-June/4,590-5,790	2B.3	--	--	--	Y	N
<i>Barbilophozia lycopodioides</i>	Greater Pawwort	Forest floors, Rock ledges, outcrops, cliffs, Humus, Alpine peaks, Circumboreal; Peaty soil/liverwort/N.A./3,400-7,500	--	--	--	USFS	Y	N
<i>Betula glandulosa</i>	dwarf resin birch	Bogs and fens, Lower montane coniferous forest, Marshes and swamps, Meadows and seeps, Subalpine coniferous forest; Mesic/perennial deciduous shrub/May-July/4,265-7,545	2B.2	--	--	--	Y	N
<i>Blepharizonia plumosa</i>	big tarplant	Valley and foothill grassland; Clay (usually)/annual herb/July-Oct/100-1,655	1B.1	--	--	--	N	Y
<i>Boechera bodiensis</i>	Bodie Hills rockcross	Alpine boulder and rock field, Great Basin scrub, Pinyon and juniper woodland, Subalpine coniferous forest/perennial herb/June-July(Aug)/6,840-11,580	1B.3	--	--	BLM; USFS	N	Y

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<i>Boechera constancei</i>	Constance's rockcress	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; Rocky, Serpentinite/perennial herb/May-July/3,195-6,640	1B.1	--	--	USFS	Y	N
<i>Boechera falcatoria</i>	Grouse Creek rockcress	Sagebrush, Mountain scrub, Mountain mahogany and pinyon-juniper zones, Rock outcrops; Gravelly soil; Box Elder County, UT endemic/perennial herb/May-June/5,400-8,200	--	--	--	BLM; USFS	N	Y
<i>Boechera nevadensis</i>	Spring Mountains rockcress	Limestone cliff ledges and talus; Spring Mtns, NV endemic/perennial herb/June/9,840-11,155	--	--	--	USFS	N	Y
<i>Boechera ophira</i>	Ophir rockcress	Mountain sagebrush, Subalpine conifer zones; Loam to clay soil in quartzitic scree, colluvium, outcrops; NV endemic/perennial herb/May-June/9,840-10,535	--	--	--	USFS	N	Y
<i>Boechera pinzliae</i>	Pinzl's rockcress	Alpine boulder and rock field, Subalpine coniferous forest (scree, sandy)/perennial herb/July/9,840-10,990	1B.3	--	--	USFS	N	Y
<i>Boechera rectissima</i> var. <i>simulans</i> [<i>Arabis rectissima</i> var. <i>simulans</i>]	Washoe tall cress	Open Jeffrey pine-Sierra Nevada white fir forests, Gentle slopes; Sandy, granitic or andesitic soils (dry, deep)/biennial or perennial herb/May-June/6,000-7,335	--	--	--	BLM, USFS	N	Y
<i>Boechera rigidissima</i> var. <i>demota</i>	Galena Creek rockcress	Upper montane coniferous forest, Broadleaf upland forest, Rocky, open forests/perennial herb/July-Aug/7,400-8400	1B.2	--	--	USFS	N	Y
<i>Boechera rollei</i>	Rolle's rockcress	Upper montane coniferous forest; Rocky, Slopes/perennial herb/Aug/5,250-5,905	1B.1	--	--	--	Y	N
<i>Boechera tiehmii</i>	Tiehm's rockcress	Alpine boulder and rock field (granitic)/perennial herb/July-Aug/9,740-11,775	1B.3	--	--	USFS	N	Y
<i>Boechera tularensis</i>	Tulare rockcress	Subalpine coniferous forest, Upper montane coniferous forest; Roadsides (sometimes), Rocky, Slopes/perennial herb/(May)June-July (Aug)/5,985-10,990	1B.3	--	--	USFS	N	Y
<i>Botrychium ascendens</i>	upswept moonwort	Lower montane coniferous forest, Meadows and seeps; Mesic/perennial rhizomatous herb/(June)July-Aug/3,655-9,990	2B.3	--	--	USFS	Y	Y
<i>Botrychium crenulatum</i>	scalloped moonwort	Bogs and fens, Lower montane coniferous forest, Marshes and swamps (freshwater), Meadows and seeps, Upper montane coniferous forest/perennial rhizomatous herb/June-Sep/4,160-10,760	2B.2	--	--	USFS	Y	Y
<i>Botrychium lineare</i>	slender moonwort	Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest (often disturbed areas)/perennial herb/Unk/8,395-8,530	1B.1	--	--	USFS	N	Y
<i>Botrychium minganense</i>	Mingan moonwort	Bogs and fens, Lower montane coniferous forest, Meadows and seeps (edges), Upper montane coniferous forest; Mesic/perennial rhizomatous herb/July-Sep(Oct)/3,900-10,790	4.2	--	--	USFS	Y	Y

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<i>Botrychium montanum</i>	western goblin	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Mesic/perennial rhizomatous herb/July-Sep/4,805-7,150	2B.1	--	--	USFS	Y	Y
<i>Botrychium neolunaria</i>	North American moonwort	Meadows and seeps; Mesic, Rocky (sometimes)/perennial rhizomatous herb/June-Sep/6,495-11,200	2B.3	--	--	USFS	Y	Y
<i>Botrychium paradoxum</i>	paradox moonwort	Alpine boulder and rock field (limestone, marble), Upper montane coniferous forest (moist)/perennial rhizomatous herb/Aug/5,705-13,775	2B.1	--	--	USFS	N	Y
<i>Botrychium pedunculosum</i>	stalked moonwort	Meadows and seeps, Upper montane coniferous forest; Granitic, Volcanic/perennial rhizomatous herb/Aug/6,050-6,050	2B.1	--	--	USFS	N	Y
<i>Botrychium pinnatum</i>	northwestern moonwort	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Mesic/perennial rhizomatous herb/July-Oct/5,805-6,690	2B.3	--	--	USFS	Y	N
<i>Botrychium pumicola</i>	pumice moonwort	Alpine boulder and rock field, Subalpine coniferous forest; Volcanic/perennial rhizomatous herb/July-Sep/9,020-9,020	2B.2	--	--	USFS	Y	N
<i>Botrychium tunux</i>	moosewort	Alpine boulder and rock field/perennial rhizomatous herb/Aug-Sep/10,005-10,005	2B.1	--	--	USFS	N	Y
<i>Botrypus virginianus</i>	rattlesnake fern	Bogs and fens, Lower montane coniferous forest (mesic), Meadows and seeps, Riparian forest; Streambanks/perennial herb/June-Sep/2,345-4,445	2B.2	--	--	--	Y	N
<i>Brasenia schreberi</i>	watershield	Marshes and swamps (freshwater)/perennial rhizomatous herb (aquatic)/June-Sep/0-7,215	2B.3	--	--	--	Y	Y
<i>Brodiaea matsonii</i>	Sulphur Creek brodiaea	Cismontane woodland (streambanks), Meadows and seeps; Rocky/perennial bulbiferous herb/May-June/640-720	1B.1	--	--	BLM	N	Y
<i>Brodiaea pallida</i>	Chinese Camp brodiaea	Cismontane woodland, Valley and foothill grassland; Serpentinite (often)/perennial bulbiferous herb/May-June/540-1,260	1B.1	CE	FT	--	N	Y
<i>Brodiaea rosea</i>	Indian Valley brodiaea	Chaparral, Cismontane woodland, Closed-cone coniferous forest, Valley and foothill grassland; Serpentinite/perennial bulbiferous herb/May-June/1,095-4,755	3.1	CE	--	BLM; USFS	Y	N
<i>Bruchia bolanderi</i>	Bolander's bruchia	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest/moss//5,575-9,185	4.2	--	--	USFS	Y	Y
<i>Buxbaumia viridis</i>	green shield-moss	Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest/moss//3,195-7,215	2B.2	--	--	BLM; USFS	Y	N

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<i>Calochortus clavatus</i> <i>var. avius</i>	Pleasant Valley mariposa-lily	Lower montane coniferous forest (Josephine silt loam, volcanic)/perennial bulbiferous herb/May-July/1,000-5,905	1B.2	--	--	USFS	N	Y
<i>Calochortus greenei</i>	Greene's mariposa-lily	Cismontane woodland, Meadows and seeps, Pinyon and juniper woodland, Upper montane coniferous forest; Volcanic/perennial bulbiferous herb/June-Aug/3,395-6,200	1B.2	--	--	BLM; USFS	Y	N
<i>Calochortus longebarbatus</i> <i>var. longebarbatus</i>	long-haired star-tulip	Great Basin scrub, Lower montane coniferous forest (openings, drainages), Meadows and seeps, Vernal pools; Clay, Mesic/perennial bulbiferous herb/June-Aug (Sep)/3,295-6,230	1B.2	--	--	--	Y	N
<i>Calochortus monanthus</i>	single-flowered mariposa-lily	Meadows and seeps/perennial bulbiferous herb/June/2445-2625	1A	--	--	--	Y	N
<i>Calochortus persistens</i>	Siskiyou mariposa-lily	Lower montane coniferous forest, North Coast coniferous forest; Acidic, Rocky/perennial bulbiferous herb/June-July/3,280-6,100	1B.2	CR	--	USFS	Y	N
<i>Calochortus syntrophus</i>	Callahan's mariposa-lily	Cismontane woodland, Valley and foothill grassland (vernally mesic)/perennial bulbiferous herb/May-June/1,720-3,755	1B.1	--	--	--	Y	N
<i>Calycadenia hooveri</i>	Hoover's calycadenia	Cismontane woodland, Valley and foothill grassland; Rocky/annual herb/July-Sep/215-985	1B.3	--	--	--	N	Y
<i>Calycadenia oppositifolia</i>	Butte County calycadenia	Chaparral, Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland; Granitic (sometimes), Openings, Serpentinite (sometimes), Volcanic/annual herb/Apr-July/295-3,100	4.2	--	--	USFS	Y	N
<i>Calycadenia spicata</i>	spicate calycadenia	Cismontane woodland, Valley and foothill grassland; Adobe, Clay, Disturbed areas, Dry, Gravelly, Openings, Roadsides, Rocky/annual herb/May-Sep/130-4,595	1B.3	--	--	--	Y	Y
<i>Calyptridium pulchellum</i>	Mariposa pussypaws	Chaparral, Cismontane woodland; Granitic, Gravelly (sometimes), Sandy (sometimes)/annual herb/Apr-Aug/1,310-3,605	1B.1	--	FT	--	N	Y
<i>Calyptridium pygmaeum</i>	pygmy pussypaws	Subalpine coniferous forest, Upper montane coniferous forest; Gravelly (sometimes), Sandy (sometimes)/annual herb/June-Aug/6,495-10,200	1B.2	--	--	USFS	N	Y
<i>Calystegia stebbinsii</i>	Stebbins' morning-glory	Chaparral (openings), Cismontane woodland; Gabbroic (sometimes), Seeps (sometimes)/perennial rhizomatous herb/Apr-July/605-3,575	1B.1	CE	FE	--	N	Y
<i>Calystegia vanzuukiae</i>	Van Zuuk's morning-glory	Chaparral, Cismontane woodland; Gabbroic, Serpentinite/perennial rhizomatous herb/May-Aug/1,640-3,870	1B.3	--	--	BLM	N	Y

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<i>Camissonia lacustris</i>	grassland suncup	Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland; Granitic, Gravelly, Serpentinite/annual herb/Mar-June/590-4,000	1B.2	--	--	--	N	Y
<i>Camissonia pusilla</i>	Little wiry suncup	Sagebrush scrub, Pinyon-juniper zones, Dry slopes, flats, roadsides; Sandy soil/annual herb/Apr-June/2,490-9,840	--	--	--	USFS	Y	N
<i>Camissonia sierrae</i> ssp. <i>alticola</i>	Mono Hot Springs evening-primrose	Lower montane coniferous forest, Upper montane coniferous forest; Granitic, Gravelly/annual herb/May-Aug/3,395-7,905	1B.2	--	--	USFS	N	Y
<i>Campanula shetleri</i>	Castle Crags harebell	Lower montane coniferous forest (rocky)/perennial rhizomatous herb/June-Sep/4,000-6,000	1B.3	--	--	USFS	Y	N
<i>Campylium stellatum</i>	Yellow starry feather-moss	Open calcareous wetlands, Mineral-rich fens, meadows, Lake and river shores, Seepy spring margins; Wet soil or humus; Circumpolar and circumboreal/moss/N.A./low to high	--	--	--	USFS	Y	N
<i>Canbya candida</i>	white pygmy-poppy	Joshua tree "woodland", Mojavean desert scrub, Pinyon and juniper woodland; Granitic, Gravelly, Sandy/annual herb/Mar-June/1,965-4,790	4.2	--	--	USFS	N	Y
<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort	Chaparral, Lower montane coniferous forest; Rocky, Serpentinite (usually)/perennial rhizomatous herb/Feb-May/835-6,885	1B.2	--	--	--	Y	N
<i>Carex atherodes</i>	wheat sedge	Marshes and swamps, Meadows and seeps, Pinyon and juniper woodland; Mesic/perennial rhizomatous herb/June-Aug/4,265-5,050	2B.2	--	--	--	Y	Y
<i>Carex comosa</i>	bristly sedge	Coastal prairie, Marshes and swamps (lake margins), Valley and foothill grassland/perennial rhizomatous herb/May-Sep/0-2,050	2B.1	--	--	--	Y	N
<i>Carex cordillerana</i>	Cordilleran sedge	Mesic mixed forests with organic layer and leaf litter, Disturbed, open grassy or rocky slopes/perennial herb/May-July/1,640-7,870	--	--	--	USFS	Y	N
<i>Carex cyrtostachya</i>	Sierra arching sedge	Lower montane coniferous forest (mesic), Marshes and swamps, Meadows and seeps, Riparian forest (margins)/perennial herb/May-Aug/2,000-4,460	1B.2	--	--	--	Y	Y
<i>Carex davyi</i>	Davy's sedge	Subalpine coniferous forest, Upper montane coniferous forest/perennial herb/May-Aug/4,920-10,495	1B.3	--	--	--	Y	Y
<i>Carex diandra</i>	Lesser tussock sedge	Marshy or boggy meadows, fens, muskegs, Peaty or marly lake and pond shores/perennial herb/May-Aug (Sep)/0-9,190	--	--	--	USFS	Y	N
<i>Carex halliana</i>	Oregon sedge	Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest/perennial rhizomatous herb/(May)July-Sep/4,490-6,905	2B.3	--	--	--	Y	N

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<i>Carex hystericina</i>	porcupine sedge	Marshes and swamps (streambanks)/perennial rhizomatous herb/May-June/2,000-7,870	2B.1	--	--	--	Y	Y
<i>Carex lasiocarpa</i>	woolly-fruited sedge	Bogs and fens, Marshes and swamps (freshwater, lake margins)/perennial rhizomatous herb/June-July/5,575-6,885	2B.3	--	--	--	Y	Y
<i>Carex lasiocarpa</i> var. <i>americana</i>	American woolly-fruit sedge	Bogs and fens, Marshes and swamps (freshwater, lake margins)/perennial herb/June-Aug/0-4,265	--	--	--	--	Y	N
<i>Carex leptalea</i>	bristle-stalked sedge	Bogs and fens, Marshes and swamps, Meadows and seeps (mesic)/perennial rhizomatous herb/Mar-July/0-2,295	2B.2	--	--	--	Y	N
<i>Carex limosa</i>	mud sedge	Bogs and fens, Lower montane coniferous forest, Marshes and swamps, Meadows and seeps, Upper montane coniferous forest/perennial rhizomatous herb/June-Aug/3,935-8,855	2B.2	--	--	--	Y	Y
<i>Carex nardina</i>	nard sedge	Subalpine coniferous forest; Carbonate, Rocky/perennial herb/Aug-Sep/6,905-7,135	2B.2	--	--	USFS	Y	N
<i>Carex petasata</i>	Liddon's sedge	Broadleaved upland forest, Lower montane coniferous forest, Meadows and seeps, Pinyon and juniper woodland/perennial herb/May-July/1,965-10,890	2B.3	--	--	--	Y	Y
<i>Carex praticola</i>	northern meadow sedge	Meadows and seeps (mesic)/perennial herb/May-July/0-10,495	2B.2	--	--	--	N	Y
<i>Carex scirpoidea</i> ssp. <i>pseudoscirpoidea</i>	western single-spiked sedge	Alpine boulder and rock field, Meadows and seeps, Subalpine coniferous forest (rocky); Carbonate (often), Mesic/perennial rhizomatous herb/July-Sep/9,805-12,135	2B.2	--	--	--	N	Y
<i>Carex scoparia</i> var. <i>scoparia</i>	pointed broom sedge	Marshes and swamps (freshwater)/perennial herb/July-Sep/3,950-4,195	2B.2	--	--	--	Y	N
<i>Carex sheldonii</i>	Sheldon's sedge	Lower montane coniferous forest (mesic), Marshes and swamps (freshwater), Riparian scrub/perennial rhizomatous herb/May-Aug/3,935-6,600	2B.2	--	--	--	Y	Y
<i>Carex tiogana</i>	Tioga Pass sedge	Meadows and seeps (lake margins, mesic)/perennial herb/July-Aug/10,170-10,825	1B.3	--	--	USFS	N	Y
<i>Carex vallicola</i>	western valley sedge	Great Basin scrub, Meadows and seeps; Mesic/perennial rhizomatous herb/July-Aug/5,000-9,200	2B.3	--	--	--	Y	Y
<i>Carex viridula</i> ssp. <i>viridula</i>	green yellow sedge	Bogs and fens, Marshes and swamps (freshwater), North Coast coniferous forest (mesic)/perennial herb/(June)July-Sep(Nov)/0-5,245	2B.3	--	--	--	Y	Y
<i>Carex xerophila</i>	chaparral sedge	Chaparral, Cismontane woodland, Lower montane coniferous forest; Gabbroic, Serpentinite/perennial herb/Mar-June/1,440-2,525	1B.2	--	--	BLM	Y	N

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<i>Carlquistia muirii</i>	Muir's tarplant	Chaparral (montane), Lower montane coniferous forest, Upper montane coniferous forest; Granitic/perennial rhizomatous herb/July-Aug(Oct)/2,475-8,200	1B.3	--	--	BLM; USFS	N	Y
<i>Carpenteria californica</i>	tree-anemone	Chaparral, Cismontane woodland; Granitic (usually)/perennial evergreen shrub/(Apr)May-July/1,115-4,395	1B.2	CT	--	USFS	N	Y
<i>Carex vernacula</i>	Native sedge	Open, rocky (often) areas, Moist alpine tundra and forest openings just below treeline/perennial herb/July-Sept/6,600-12,500	--	--	--	USFS	Y	N
<i>Castilleja campestris</i> <i>var. succulenta</i>	succulent owl's-clover	Vernal pools (often acidic)/annual herb (hemiparasitic)/(Mar)Apr-May/165-2,460	1B.2	CE	FT	--	N	Y
<i>Castilleja lassenensis</i>	Lassen paintbrush	Meadows and seeps, Subalpine coniferous forest; Volcanic/perennial herb/June-Sep/3,130-10,235	1B.3	--	--	--	Y	N
<i>Castilleja rubicundula</i> <i>var. rubicundula</i>	pink creamsacs	Chaparral (openings), Cismontane woodland, Meadows and seeps, Valley and foothill grassland; Serpentinite/annual herb (hemiparasitic)/Apr-June/65-2,985	1B.2	--	--	BLM	Y	N
<i>Castilleja schizotricha</i>	split-hair paintbrush	Upper montane coniferous forest; Carbonate (often), Decomposed granitic, Serpentinite (often)/perennial herb (hemiparasitic)/July-Aug/4,920-7,545	1B.3	--	--	--	Y	N
<i>Catabrosa aquatica</i>	water whorlgrass	Meadows and seeps; Streambanks/perennial stoloniferous herb/July-Sep/0-0	2B.1	--	--	--	Y	N
<i>Caulanthus californicus</i>	California jewelflower	Chenopod scrub, Pinyon and juniper woodland, Valley and foothill grassland; Sandy/annual herb/Feb-May/200-3,280	1B.1	CE	FE	--	N	Y
<i>Ceanothus roderickii</i>	Pine Hill ceanothus	Chaparral, Cismontane woodland; Gabbroic (sometimes), Serpentinite (sometimes)/perennial evergreen shrub/Apr-June/805-3,575	1B.1	CR	FE	--	N	Y
<i>Cephaloziella spinigera</i>	Spiny threadwort	Bogs, fens/liverwort/N.A./highly broad elevation	--	--	--	USFS	Y	N
<i>Chaenactis douglasii</i> <i>var. alpina</i>	alpine dusty maidens	Alpine boulder and rock field (granitic)/perennial herb/July-Sep/9,395-11,150	2B.3	--	--	--	Y	Y
<i>Chaenactis suffrutescens</i>	Shasta chaenactis	Lower montane coniferous forest, Upper montane coniferous forest; Sandy, Serpentinite/perennial herb/May-Sep/2,460-9,185	1B.3	--	--	BLM; USFS	Y	N
<i>Chlorogalum grandiflorum</i>	Red Hills soaproot	Chaparral, Cismontane woodland, Lower montane coniferous forest; Gabbroic, Serpentinite/perennial bulbiferous herb/(Apr)May-June/805-5,540	1B.2	--	--	BLM	N	Y
<i>Chloropyron molle</i> ssp. <i>hispidum</i>	hispid salty bird's-beak	Meadows and seeps, Playas, Valley and foothill grassland; Alkaline/annual herb (hemiparasitic)/June-Sep/5-510	1B.1	--	--	--	N	Y

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<i>Chloropyron palmatum</i>	palmate-bracted bird's-beak	Chenopod scrub, Valley and foothill grassland; Alkaline/annual herb (hemiparasitic)/May-Oct/15-510	1B.1	CE	FE	--	N	Y
<i>Chylismia claviformis</i> ssp. <i>cruciformis</i>	cruciform evening-primrose	Chenopod scrub, Great Basin scrub; Clay/annual herb/May-July/1,965-4,590	2B.3	--	--	--	Y	N
<i>Cinna bolanderi</i>	Bolander's woodreed	Meadows and seeps, Upper montane coniferous forest; Mesic, Streambanks/perennial herb/July-Sep/5,475-8,005	1B.2	--	--	USFS	N	Y
<i>Cirsium ciliolatum</i>	Ashland thistle	Cismontane woodland, Valley and foothill grassland/perennial herb/June-Aug/2,620-4,590	2B.1	CE	--	--	Y	N
<i>Cirsium crassicaule</i>	slough thistle	Chenopod scrub, Marshes and swamps (sloughs), Riparian scrub/annual/perennial herb/May-Aug/10-330	1B.1	--	--	--	N	Y
<i>Clarkia australis</i>	Small's southern clarkia	Cismontane woodland, Lower montane coniferous forest/annual herb/May-Aug/2,620-6,805	1B.2	--	--	BLM; USFS	N	Y
<i>Clarkia biloba</i> ssp. <i>australis</i>	Mariposa clarkia	Chaparral, Cismontane woodland; Serpentinite/annual herb/Apr-July/985-4,790	1B.2	--	--	USFS	N	Y
<i>Clarkia borealis</i> ssp. <i>arida</i>	Shasta clarkia	Cismontane woodland, Lower montane coniferous forest (openings)/annual herb/June-Aug/1,605-1,950	1B.1	--	--	BLM	Y	N
<i>Clarkia borealis</i> ssp. <i>borealis</i>	northern clarkia	Chaparral, Cismontane woodland, Lower montane coniferous forest; Roadsides (often)/annual/June-Sep/1,310-5,130	4.3	--	--	BLM; USFS	Y	N
<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	Chaparral, Cismontane woodland; Serpentinite (sometimes)/annual herb/May-July/805-3,555	1B.2	--	--	BLM; USFS	Y	N
<i>Clarkia lingulata</i>	Merced clarkia	Chaparral, Cismontane woodland/annual herb/May-June/1,310-1,490	1B.1	CE	--	USFS	N	Y
<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	Cismontane woodland, Lower montane coniferous forest; Granitic (usually), Sandy/annual herb/May-Aug/805-5,610	1B.3	--	--	USFS	Y	N
<i>Clarkia mosquinii</i>	Mosquin's clarkia	Cismontane woodland, Lower montane coniferous forest; Roadsides, Rocky/annual herb/May-July(Sep)/605-4,885	1B.1	--	--	BLM; USFS	Y	N
<i>Clarkia rostrata</i>	beaked clarkia	Cismontane woodland, Valley and foothill grassland/annual herb/Apr-May/195-1,640	1B.3	--	--	BLM	N	Y
<i>Claytonia crawfordii</i>	Crawford's spring beauty	Upper montane coniferous forest; Openings, Rocky, Volcanic/perennial herb/Apr-May/5,050-6,295	1B.2	--	--	--	N	Y
<i>Claytonia megarhiza</i>	fell-fields claytonia	Alpine boulder and rock field, Subalpine coniferous forest (gravelly, rocky)/perennial herb/July-Sep/8,530-11,585	2B.3	--	--	--	Y	Y
<i>Claytonia umbellata</i>	Great Basin claytonia	Subalpine coniferous forest (talus)/perennial herb/May-Aug/5,590-11,480	2B.1	--	--	--	Y	Y

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<i>Climacium dendroides</i>	tree climacium moss	Bogs and fens (edges), North Coast coniferous forest (streams)/moss//4,870-4,870	2B.1	--	--	--	Y	N
<i>Collomia larsenii</i>	talus collomia	Alpine boulder and rock field, Closed-cone coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Talus, Volcanic/perennial rhizomatous herb/July-Sep(Oct)/7,250-11,480	2B.2	--	--	USFS	Y	N
<i>Collomia rawsoniana</i>	Rawson's flaming trumpet	Lower montane coniferous forest, Meadows and seeps, Riparian forest; Mesic/perennial rhizomatous herb/July-Aug/2,555-7,215	1B.2	--	--	USFS	N	Y
<i>Collomia tenella</i>	slender collomia	Upper montane coniferous forest/annual herb/June-July/7,115-7,115	2B.2	--	--	--	Y	N
<i>Corallorhiza trifida</i>	northern coralroot	Lower montane coniferous forest, Meadows and seeps (edges); Mesic/perennial rhizomatous herb (achlorophyllous)/June-July/4,490-5,725	2B.1	--	--	--	Y	N
<i>Cordylanthus capitatus</i>	Yakima bird's-beak	Great Basin scrub, Lower montane coniferous forest, Pinyon and juniper woodland/annual herb (hemiparasitic)/July-Sep/5,905-7,795	2B.2	--	--	--	Y	N
<i>Cordylanthus tenuis ssp. pallescens</i>	pallid bird's-beak	Lower montane coniferous forest (gravelly, volcanic alluvium)/annual herb (hemiparasitic)/July-Sep/2,280-5,395	1B.2	--	--	USFS	Y	N
<i>Cornus unalaschkensis</i>	bunchberry	Bogs and fens, Meadows and seeps, North Coast coniferous forest/perennial rhizomatous herb/May-July/195-6,295	2B.2	--	--	--	Y	N
<i>Crepis runcinata</i>	fiddleleaf hawksbeard	Mojavean desert scrub, Pinyon and juniper woodland; Alkaline, Mesic/perennial herb/May-Aug/4,100-6,475	2B.2	--	--	--	Y	Y
<i>Cryptantha crinita</i>	silky cryptantha	Cismontane woodland, Lower montane coniferous forest, Riparian forest, Riparian woodland, Valley and foothill grassland; Gravelly/annual herb/Apr-May/200-3,985	1B.2	--	--	BLM; USFS	Y	N
<i>Cryptantha dissita</i>	serpentine cryptantha	Chaparral (serpentinite)/annual herb/Apr-June/1,295-1,900	1B.2	--	--	BLM	Y	N
<i>Cryptantha hooveri</i>	Hoover's cryptantha	Inland dunes, Valley and foothill grassland (sandy)/annual herb/Apr-May/30-490	1A	--	--	--	N	N
<i>Cryptantha incana</i>	Tulare cryptantha	Lower montane coniferous forest (gravelly, rocky)/annual herb/June-Aug/4,690-7,050	1B.3	--	--	USFS	N	Y
<i>Cryptantha mariposae</i>	Mariposa cryptantha	Chaparral (rocky, serpentinite)/annual herb/Apr-June/655-2,130	1B.3	--	--	BLM	N	Y
<i>Cryptantha simulans</i>	Pine cryptantha	Open conifer understory, Shrubland, Dry gravelly sites, Disturbed areas/annual herb/May-Aug/800-8,530	--	--	--	USFS	N	Y
<i>Cryptantha spithamaea</i>	Red Hills cryptantha	Chaparral, Cismontane woodland; Openings (sometimes), Serpentinite, Streambanks (sometimes)/annual herb/Apr-May/900-1,505	1B.3	--	--	BLM	N	Y

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<i>Cuscuta jepsonii</i>	Jepson's dodder	North Coast coniferous forest; Streambanks/annual vine (parasitic)/July-Sep/3,935-7,545	1B.2	--	--	--	Y	Y
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder	Marshes and swamps (freshwater)/annual vine (parasitic)/July-Oct/50-920	2B.2	--	--	--	N	Y
<i>Cusickiella quadricostata</i>	Bodie Hills cusickiella	Great Basin scrub, Pinyon and juniper woodland; Clay (sometimes), Rocky (sometimes)/perennial herb/May-July/6,560-9,185	1B.2	--	--	BLM	Y	N
<i>Cymopterus globosus</i>	globose cymopterus	Great Basin scrub; Flats, Openings, Sandy/perennial herb/Mar-June/3,935-7,000	2B.2	--	--	--	Y	N
<i>Cymopterus goodrichii</i>	Goodrich biscuitroot	Subalpine and lower alpine zones, Moderate to steep scree and talus slopes (limestone or slate), shrubland; NV endemic/perennial herb/June-July/6,560-11,155	--	--	--	BLM, USFS	N	Y
<i>Cypripedium fasciculatum</i>	clustered lady's-slipper	Lower montane coniferous forest, North Coast coniferous forest; Seeps (usually), Serpentinite (usually), Streambanks/perennial rhizomatous herb/Mar-Aug/330-7,985	4.2	--	--	BLM; USFS	Y	N
<i>Cypripedium montanum</i>	mountain lady's-slipper	Broadleafed upland forest, Cismontane woodland, Lower montane coniferous forest, North Coast coniferous forest/perennial rhizomatous herb/Mar-Aug/605-7,295	4.2	--	--	BLM; USFS	Y	Y
<i>Dalea ornata</i>	ornate dalea	Pinyon and juniper woodland (clay, rocky)/perennial herb/June/4480-5580	2B.1	--	--	BLM	N	Y
<i>Danthonia spicata</i>	Poverty oatgrass	Open areas, Thin woodlands; Rocky, sandy, or mineral soils (dry/sterile to damp/peaty)/perennial herb/May-July/160-5,500	--	--	--	USFS	Y	N
<i>Delphinium inopinum</i>	unexpected larkspur	Upper montane coniferous forest (metamorphic, rocky)/perennial herb/May-July/6,200-9,185	4.3	--	--	USFS	N	Y
<i>Delphinium recurvatum</i>	recurved larkspur	Chenopod scrub, Cismontane woodland, Valley and foothill grassland; Alkaline/perennial herb/Mar-June/10-2,590	1B.2	--	--	BLM	N	Y
<i>Delphinium stachydeum</i>	spiked larkspur	Great Basin scrub, Upper montane coniferous forest (edges); Rocky/perennial herb/June-Aug/4,265-8,530	2B.3	--	--	--	Y	N
<i>Dermatocarpon meiohyllizum</i>	silverskin lichen	Coastal prairie, Lower montane coniferous forest, North Coast coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Lake Margins, Rocky, Streambanks/foliose lichen (aquatic)/970-11,465	2B.3	--	--	--	Y	Y
<i>Dicentra nevadensis</i>	Tulare County bleeding heart	Alpine boulder and rock field, Subalpine coniferous forest (gravelly, sandy, openings)/perennial rhizomatous herb/June-Aug(Oct)/7,215-10,005	4.3	--	--	USFS	N	Y
<i>Dimeresia howellii</i>	doublet	Lower montane coniferous forest, Pinyon and juniper woodland; Volcanic/annual herb/May-Sep/4,395-7,805	2B.3	--	--	--	Y	N

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<i>Diplacus cusickioides</i>	Cusick's monkeyflower	Great Basin scrub, Lower montane coniferous forest; Gravelly, Roadsides, Scree, Volcanic/annual herb/May-Aug/1,965-6,000	2B.3	--	--	--	Y	N
<i>Diplacus pulchellus</i>	yellow-lip pansy monkeyflower	Lower montane coniferous forest, Meadows and seeps; Clay, Disturbed areas (often), Vernal Mesic/annual herb/Apr-July/1,965-6,560	1B.2	--	--	BLM; USFS	N	Y
<i>Downingia laeta</i>	Great Basin downingia	Great Basin scrub (mesic), Marshes and swamps (shallow freshwater), Meadows and seeps, Pinyon and juniper woodland (mesic), Vernal pools/annual herb/May-July/4,000-7,215	2B.2	--	--	--	Y	N
<i>Draba arida</i>	Desert draba	Great Basin conifer and subalpine shrub, Rocky crevices and gravelly soil; NV endemic/perennial herb/May-July/6,885-11,155	--	--	--	USFS	N	Y
<i>Draba asterophora var. asterophora</i>	Tahoe draba	Alpine boulder and rock field, Subalpine coniferous forest/perennial herb/July-Aug(Sep)/8,200-11,495	1B.2	--	--	USFS	N	Y
<i>Draba asterophora var. macrocarpa</i>	Cup Lake draba	Subalpine coniferous forest (rocky)/perennial herb/July-Aug(Sep)/8,200-9,235	1B.1	--	--	USFS	N	Y
<i>Draba aureola</i>	golden alpine draba	Alpine boulder and rock field, Subalpine coniferous forest; Serpentine (sometimes), Volcanic (sometimes)/perennial herb/July-Aug/6,560-11,005	1B.3	--	--	--	Y	N
<i>Draba brachystylis</i>	Wasatch draba	Riparian habitat, Drainage banks, steep drainage areas, avalanche chutes, Montane conifer zone (aspen and fir communities); Moist to damp rocky pockets and soils/biennial (annual) herb/Jun-July/5,500-9,850	--	--	--	USFS	N	Y
<i>Draba cana</i>	canescent draba	Alpine boulder and rock field, Meadows and seeps, Subalpine coniferous forest; Carbonate/perennial herb/July/9,840-11,495	2B.3	--	--	--	N	Y
<i>Draba carnosula</i>	Mt. Eddy draba	Subalpine coniferous forest, Upper montane coniferous forest; Rocky, Serpentine/perennial herb/July-Aug/6,345-9,840	1B.3	--	--	BLM; USFS	Y	N
<i>Draba jaegeri</i>	Jaeger's draba	Alpine and subalpine woodlands, Lower mixed conifer forests (occasionally), Limestone outcrops,; Gravelly soil; NV endemic/perennial herb/June-Aug/8,200-11,815	--	--	--	USFS	N	Y
<i>Draba oreibata var. serpentina</i>	Subalpine draba	Mixed conifer and subalpine meadow; Rock outcrops, talus, and gravelly soil; NV endemic/perennial herb/May-June/10,400-11,815	--	--	--	USFS	N	Y
<i>Draba paucifructa</i>	Charleston draba	Subalpine conifer forest and woodlands, Rock ledges, Near seeps and springs, Avalanche chutes, Wetland margin areas; Moist, shaded soils (silty clay loam to gravels), Limestone (usually), Dolomite (sometimes); Spring Mtns, NV endemic/perennial herb/June-July/8,200-11,485	--	--	--	USFS	N	Y

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<i>Draba pennellii</i>	Pennell's draba	Pinyon-juniper, Sagebrush, Mountain scrub, Mixed conifer areas; Rocky outcrops, talus slopes/perennial herb/May-June/6,000-11,485	--	--	--	USFS	N	y
<i>Draba sierrae</i>	Sierra draba	Alpine boulder and rock field (carbonate, granitic)/perennial herb/June-Aug/11,480-13,990	1B.3	--	--	--	N	Y
<i>Drosera anglica</i>	English sundew	Bogs and fens, Meadows and seeps (mesic)/perennial herb (carnivorous)/June-Sep/4,265-7,395	2B.3	--	--	--	Y	N
<i>Dryopteris filix-mas</i>	male fern	Upper montane coniferous forest (granitic, rocky)/perennial rhizomatous herb/July-Sep/7,870-10,170	2B.3	--	--	--	N	Y
<i>Elatine brachysperma</i>	Shortseed waterwort	Muddy shores, shallow pools/annual or perennial herb/April-Sept/0-7,220	--	--	--	USFS	Y	N
<i>Eleocharis torticulmis</i>	California twisted spikerush	Bogs and fens, Lower montane coniferous forest, Meadows and seeps/perennial rhizomatous herb/June-July/3,295-3,850	1B.3	--	--	USFS	Y	N
<i>Elodium blandowii</i>	Blandow's bog moss	Meadows and seeps, Subalpine coniferous forest/moss//6,105-8,855	2B.2	--	--	USFS	Y	Y
<i>Elymus scribneri</i>	Scribner's wheat grass	Alpine boulder and rock field/perennial herb/July-Aug/9,510-13,775	2B.3	--	--	--	N	Y
<i>Entosthodon kochii</i>	Koch's cord moss	Cismontane woodland (soil)/moss//590-3,280	1B.3	--	--	BLM	N	Y
<i>Epilobium luteum</i>	yellow willowherb	Lower montane coniferous forest (seeps, Streambanks), Meadows and seeps/perennial stoloniferous herb/July-Sep/4,920-7,200	2B.3	--	--	--	Y	N
<i>Epilobium nevadense</i>	Nevada willowherb	Pinyon-juniper, oak-mountain mahogany areas; Limestone talus, scree slopes, soils/perennial herb/June-Sept/5,000-9,190	--	--	--	BLM; USFS	N	Y
<i>Epilobium oregonum</i>	Oregon fireweed	Bogs and fens, Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Mesic/perennial herb/June-Sep/1,640-7,345	1B.2	--	--	USFS	Y	N
<i>Epilobium palustre</i>	marsh willowherb	Bogs and fens, Meadows and seeps (mesic)/perennial rhizomatous herb/July-Sep/4,215-7,690	2B.3	--	--	--	Y	Y
<i>Epilobium siskiyouense</i>	Siskiyou fireweed	Alpine boulder and rock field, Subalpine coniferous forest, Upper montane coniferous forest; Rocky, Serpentinite/perennial herb/July-Sep/5,575-8,200	1B.3	--	--	--	Y	N
<i>Eremogone kingii</i> var. <i>glabrescens</i> [<i>Arenaria kingii</i> ssp. <i>rosea</i>]	King's rosy sandwort	Dry hills, pinyon-juniper woods, sagebrush slopes; Gravelly to rocky carbonate soils; NV endemic/perennial herbaceous forb; subshrub/May-Aug/4,920-13,125	--	--	--	USFS	N	Y
<i>Eremogone cliftonii</i>	Clifton's eremogone	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; Granitic (usually), Openings/perennial herb/Apr-Sep/1,490-6,820	1B.3	--	--	USFS	Y	N

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<i>Eremothera minor</i>	Nelson's evening-primrose	Chenopod scrub, Great Basin scrub (sandy)/annual herb/Apr-July/3935-4530	2B.3	-	-	--	Y	N
<i>Eriastrum tracyi</i>	Tracy's eriastrum	Chaparral, Cismontane woodland, Valley and foothill grassland/annual herb/May-July/1,030-5,835	3.2	CR	-	USFS	Y	Y
<i>Ericameria compacta</i>	Charleston Mountain goldenbush	Subalpine and montane conifer zones, Sheltered, rocky to gravelly slopes, Open forest slopes; NV endemic/perennial shrub/Aug-Nov/7,875-11,485	--	-	-	USFS	N	Y
<i>Erigeron aequifolius</i>	Hall's daisy	Broadleafed upland forest, Lower montane coniferous forest, Pinyon and juniper woodland, Upper montane coniferous forest; Granitic, Rocky/perennial rhizomatous herb/June-Aug/4,920-8,005	1B.3	-	-	BLM; USFS	N	Y
<i>Erigeron bloomeri var. nudatus</i>	Waldo daisy	Lower montane coniferous forest, Upper montane coniferous forest; Serpentinite/perennial herb/June-July/1,965-7,545	2B.3	-	-	-	Y	N
<i>Erigeron cavernensis</i>	Cave Mountain fleabane	Limestone ridges, outcrops, cliffs with bristlecone pine, limber pine, spruce; NV endemic/perennial herb/June-July/6,890-11,155	--	-	-	USFS	N	Y
<i>Erigeron eatonii var. nevadincola</i>	Nevada daisy	Great Basin scrub, Lower montane coniferous forest, Pinyon and juniper woodland; Rocky/perennial herb/May-July/4,590-9,510	2B.3	-	-	-	Y	N
<i>Erigeron inornatus var. keilii</i>	Keil's daisy	Lower montane coniferous forest, Meadows and seeps/perennial herb/June-Sep/5905-7220	1B.3	-	-	--	N	Y
<i>Erigeron lassenianus var. deficiens</i>	Plumas rayless daisy	Lower montane coniferous forest; Disturbed areas (sometimes), Gravelly, Serpentinite (sometimes)/perennial herb/June-Sep/4,460-6,495	1B.3	-	-	-	Y	N
<i>Erigeron mariposanus</i>	Mariposa daisy	Cismontane woodland/perennial herb/June-Aug/1,965-2,620	1A	-	-	-	N	Y
<i>Erigeron miser</i>	starved daisy	Upper montane coniferous forest (rocky)/perennial herb/June-Oct/6,035-8,595	1B.3	-	-	USFS	N	Y
<i>Erigeron nivalis</i>	snow fleabane daisy	Alpine boulder and rock field, Meadows and seeps, Subalpine coniferous forest; Rocky, Volcanic/perennial herb/July-Aug/5,690-9,510	2B.3	-	-	-	Y	N
<i>Eriogonum alpinum</i>	Trinity buckwheat	Alpine boulder and rock field, Subalpine coniferous forest, Upper montane coniferous forest; Rocky, Serpentinite/perennial rhizomatous herb/June-Sep/5,495-9,510	1B.2	CE	-	USFS	Y	N
<i>Eriogonum apricum var. apricum</i>	lone buckwheat	Chaparral (openings, lone soil)/perennial herb/July-Oct/195-475	1B.1	CE	FE	-	N	Y
<i>Eriogonum apricum var. prostratum</i>	Irish Hill buckwheat	Chaparral (openings, lone soil)/perennial herb/June-July/295-395	1B.1	CE	FE	--	N	Y

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<i>Eriogonum diclinum</i>	Jaynes Canyon buckwheat	Upper montane coniferous forest (often serpentinite)/perennial herb/June–Sep/5,575–7,870	2B.3	--	--	--	Y	N
<i>Eriogonum douglasii</i> var. <i>elkoense</i>	Sunflower Flat buckwheat	Mixed grassland, Sagebrush, Flats and slopes (sandy to gravelly); Rocky clay soils; Elko County, NV endemic/perennial herb/May-July/6,230-6,890	--	--	--	USFS	N	Y
<i>Eriogonum esmeraldense</i> var. <i>toyabense</i>	Toiyabe buckwheat	Subalpine, Montane conifer woodlands (pinyon-juniper, mountain mahogany), Saltbush, Mountain sagebrush, Flats and slopes (sandy to gravelly or clay); NV endemic/annual herb/June-Sept/6,560-10,500	--	--	--	USFS	N	Y
<i>Eriogonum heermannii</i> var. <i>clokeyi</i>	Heermann's buckwheat	Saltbush, blackbrush, or sagebrush zones, Pinyon-juniper and montane conifer woodlands, Gravelly to rocky slopes, flats, washes, Carbonate outcrops, talus, scree; NV endemic/perennial shrub/June-Sept/3935-6,235	--	--	--	BLM; USFS	N	Y
<i>Eriogonum hirtellum</i>	Klamath Mountain buckwheat	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; Serpentine/perennial rhizomatous herb/July–Sep/2,000–6,235	1B.3	--	--	USFS	Y	N
<i>Eriogonum lewisii</i>	Lewis buckwheat	Co-dominates with <i>Artemisia arbuscula</i> and <i>Elymus elymoides</i> ; Convex ridge-line knolls or crests underlain by siliceous carbonate or limestone, dolomite; Lower elevation clay hills derived from silty carbonate or calcium-rich siliceous rock; NV endemic/perennial herb/June-Sept/6,450-9,715	--	--	--	BLM; USFS	N	Y
<i>Eriogonum luteolum</i> var. <i>saltuarium</i>	Jack's wild buckwheat	Great Basin scrub, Upper montane coniferous forest; Granitic, Sandy/annual herb/July–Sep/5,575–7,870	1B.2	--	--	USFS	N	Y
<i>Eriogonum microthecum</i> var. <i>schoolcraftii</i>	Schoolcraft's wild buckwheat	Great Basin scrub, Pinyon and juniper woodland; Rocky, Sandy/perennial shrub/July–Sep/4,265–5,740	1B.2	--	--	BLM; USFS	Y	N
<i>Eriogonum nudum</i> var. <i>regirivum</i>	Kings River buckwheat	Cismontane woodland (carbonate, rocky)/perennial herb/Aug–Nov/490–985	1B.2	--	--	USFS	N	Y
<i>Eriogonum nutans</i> var. <i>nutans</i>	Dugway wild buckwheat	Chenopod scrub, Great Basin scrub; Gravelly (sometimes), Sandy (sometimes)/annual herb/May–Sep(Oct)/4,005–9,845	2B.3	--	--	--	Y	Y
<i>Eriogonum ochrocephalum</i> var. <i>ochrocephalum</i>	ochre-flowered buckwheat	Great Basin scrub, Pinyon and juniper woodland; Clay (sometimes), Volcanic (sometimes)/perennial herb/May–June/3,935–7,905	2B.2	--	--	--	Y	N
<i>Eriogonum ovalifolium</i> var. <i>depressum</i>	depressed wild buckwheat	Great Basin scrub (playas), Playas/perennial herb/(June)July–Aug(Sep)/5,655–5,705	2B.1	--	--	--	Y	N
<i>Eriogonum ovalifolium</i> var. <i>monarchense</i>	Monarch buckwheat	Mojavean desert scrub, Pinyon and juniper woodland; Carbonate, Rocky (sometimes), Sandy (sometimes)/perennial herb/June–Aug/5,905–5,950	1B.1	--	--	USFS	N	Y

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<i>Eriogonum ovalifolium</i> <i>var. williamsiae</i>	Steamboat buckwheat	Sagebrush communities, Open areas on slopes of deep, dome-shaped hot spring deposits; Young, shallow, poorly developed soils (derived from siliceous sinter materials); single known occurrence in vicinity of Steamboat Hot Springs, Washoe County; NV endemic/perennial herb/May-June/4,590-4,760	-	-	FE	BLM	N	Y
<i>Eriogonum prociduum</i>	prostrate buckwheat	Great Basin scrub, Pinyon and juniper woodland, Upper montane coniferous forest; Volcanic/perennial herb/May-Aug/4,265-8,870	1B.2	-	-	BLM; USFS	Y	N
<i>Eriogonum pyrolifolium</i> <i>var. pyrolifolium</i>	pyrola-leaved buckwheat	Alpine boulder and rock field (pumice, sandy or gravelly)/perennial herb/July-Sep/5,495-10,495	2B.3	-	-	-	Y	N
<i>Eriogonum robustum</i>	Altered andesite buckwheat	Montane and subalpine conifer woodlands, Dry, shallow high acidic gravelly clay soils (Smallstone Series, mainly), Altered or disturbed andesite soils with sparse, scattered yellow pines; NV endemic/perennial herb/June-Aug/4,265-7,335	-	-	-	BLM; USFS	N	Y
<i>Eriogonum spectabile</i>	Barron's buckwheat	Upper montane coniferous forest; Rocky (sometimes), Sandy (sometimes)/perennial evergreen shrub/July-Sep/6,590-6,725	1B.1	-	-	USFS	Y	N
<i>Eriogonum tripodum</i>	tripod buckwheat	Chaparral, Cismontane woodland; Serpentinite (often)/perennial deciduous shrub/May-July/655-5,245	4.2	-	-	USFS	Y	Y
<i>Eriogonum umbellatum</i> <i>var. ahartii</i>	Ahart's buckwheat	Chaparral, Cismontane woodland; Openings, Serpentinite, Slopes/perennial herb/June-Sep/1,310-6,560	1B.2	-	-	USFS	Y	N
<i>Eriogonum umbellatum</i> <i>var. glaberrimum</i>	Warner Mountains buckwheat	Great Basin scrub, Lower montane coniferous forest, Upper montane coniferous forest; Gravelly (sometimes), Sandy (sometimes)/perennial herb/June-Sep/5,000-7,890	1B.3	-	-	USFS	Y	N
<i>Eriogonum umbellatum</i> <i>var. lautum</i>	Scott Valley buckwheat	Cismontane woodland, Lower montane coniferous forest; Flats, Gravelly, Sandy/perennial herb/July-Sep/2,620-2,950	1B.1	-	-	-	Y	N
<i>Eriogonum umbellatum</i> <i>var. torreyanum</i>	Donner Pass buckwheat	Meadows and seeps, Upper montane coniferous forest; Rocky, Volcanic/perennial herb/July-Sep/6,085-8,595	1B.2	-	-	USFS	N	Y
<i>Eriogonum ursinum</i> <i>var. erubescens</i>	blushing wild buckwheat	Chaparral (montane), Lower montane coniferous forest; Rocky, Scree, Talus/perennial herb/June-Sep/2,460-6,230	1B.3	-	-	USFS	Y	N
<i>Eriophyllum congdonii</i>	Congdon's woolly sunflower	Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland; Metamorphic, Rocky/annual herb/Apr-June/1,640-6,230	1B.2	CR	-	USFS	N	Y
<i>Eriophyllum nubigenum</i>	Yosemite woolly sunflower	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; Granitic, Gravelly/annual herb/May-Aug/5,000-9,020	1B.3	-	-	USFS	N	Y

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<i>Eryngium pinnatisectum</i>	Tuolumne button-celery	Cismontane woodland, Lower montane coniferous forest, Vernal pools; Mesic/annual/perennial herb/May–Aug/230–3,000	1B.2	--	--	--	N	Y
<i>Eryngium spinosepalum</i>	spiny-sepaled button-celery	Valley and foothill grassland, Vernal pools/annual/perennial herb/Apr–June/260–3,195	1B.2	--	--	BLM	N	Y
<i>Erythranthe carsonensis</i>	Carson Valley monkeyflower	Great Basin scrub (openings); Granitic/annual herb/Apr–June/4,855–4,855	1B.1	--	--	--	N	Y
<i>Erythranthe discolor</i>	two-colored monkey flower	Cismontane woodland, Great Basin scrub, Lower montane coniferous forest, Meadows and seeps, Pinyon and juniper woodland, Upper montane coniferous forest; Granitic (usually), Openings, Seeps, Streambanks, Vernally Mesic/annual herb/(Apr)May–July(Sep)/4,490–8,100	4.2	--	--	USFS	N	Y
<i>Erythranthe filicaulis</i>	slender-stemmed monkeyflower	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Vernally Mesic/annual herb/Apr–Aug/2,950–5,740	1B.2	--	--	BLM; USFS	N	Y
<i>Erythranthe filicifolia</i>	fern-leaved monkeyflower	Chaparral, Lower montane coniferous forest, Meadows and seeps (ephemeral); Granitic, Seeps/annual herb/Apr–June/1,360–5,610	1B.2	--	--	--	Y	N
<i>Erythranthe gracilipes</i>	slender-stalked monkeyflower	Chaparral, Cismontane woodland, Lower montane coniferous forest; Burned areas (often), Decomposed granitic, Disturbed areas (often)/annual herb/Apr–June/1,640–4,265	1B.2	--	--	USFS	N	Y
<i>Erythranthe inflatula</i>	ephemeral monkeyflower	Great Basin scrub, Lower montane coniferous forest, Pinyon and juniper woodland; Gravelly (sometimes), Rocky (sometimes), Vernally Mesic/annual herb/May–Aug/4,100–5,705	1B.2	--	--	BLM; USFS	Y	N
<i>Erythranthe marmorata</i>	Stanislaus monkeyflower	Cismontane woodland, Lower montane coniferous forest/annual herb/Mar–May/330–2,950	1B.1	--	--	--	N	Y
<i>Erythranthe norrisii</i>	Kaweah monkeyflower	Chaparral, Cismontane woodland; Carbonate, Rocky/annual herb/Mar–May/1,195–4,265	1B.3	--	--	BLM; USFS	N	Y
<i>Erythranthe percaulis</i>	Serpentine Canyon monkeyflower	Chaparral, Lower montane coniferous forest (openings); Roadsides, Rocky, Seeps, Serpentinite, Slopes/annual herb/(Mar)May(June)/2,555–2,805	1B.1	--	--	--	Y	N
<i>Erythranthe taylorii</i>	Shasta limestone monkeyflower	Cismontane woodland, Lower montane coniferous forest; Carbonate, Openings, Rocky/annual herb/(Feb)Apr–May/1,160–3,510	1B.1	--	--	--	Y	N
<i>Erythranthe trinitensis</i>	pink-margined monkeyflower	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Roadsides (often), Serpentinite (often)/annual herb/June–July(Aug)/1,310–7,495	1B.3	--	--	--	Y	N
<i>Erythronium hendersonii</i>	Henderson's fawn lily	Lower montane coniferous forest/perennial bulbiferous herb/Apr–July/985–5,245	2B.3	--	--	USFS	Y	N

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<i>Erythronium klamathense</i>	Klamath fawn lily	Meadows and seeps, Upper montane coniferous forest/perennial bulbiferous herb/Apr-July/3,935-6,065	2B.2	--	--	--	Y	N
<i>Erythronium pluriflorum</i>	Shuteye Peak fawn lily	Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Rocky/perennial bulbiferous herb/May-July/7,545-8,365	1B.3	--	--	USFS	N	Y
<i>Erythronium revolutum</i>	coast fawn lily	Bogs and fens, Broadleafed upland forest, North Coast coniferous forest; Mesic, Streambanks/perennial bulbiferous herb/Mar-July(Aug)/0-5,245	2B.2	--	--	--	Y	N
<i>Erythronium shastense</i>	Shasta fawn lily	Cismontane woodland, Lower montane coniferous forest; Carbonate (usually), Rocky/perennial bulbiferous herb/(Feb)Mar-Apr/1,145-3,345	1B.2	--	--	--	Y	N
<i>Erythronium taylorii</i>	Pilot Ridge fawn lily	Lower montane coniferous forest (metamorphic, rocky)/perennial bulbiferous herb/Apr-May/4,395-4,590	1B.2	--	--	USFS	N	Y
<i>Erythronium tuolumnense</i>	Tuolumne fawn lily	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest/perennial bulbiferous herb/Mar-June/1,670-4,475	1B.2	--	--	BLM; USFS	N	Y
<i>Extriplex joaquinana</i>	San Joaquin spearscale	Chenopod scrub, Meadows and seeps, Playas, Valley and foothill grassland; Alkaline/annual herb/Apr-Oct/5-2,740	1B.2	--	--	BLM	N	Y
<i>Euphorbia hooveri</i>	Hoover's spurge	Vernal pools/annual herb/July-Sep(Oct)/80-820	1B.2	--	FT	--	Y	Y
<i>Euphorbia ocellata ssp. rattanii</i>	Stony Creek spurge	Chaparral, Riparian scrub (streambanks), Valley and foothill grassland (sandy, rocky)/annual herb/May-Oct/215-2,620	1B.2	--	--	BLM	Y	N
<i>Eurybia merita</i>	subalpine aster	Upper montane coniferous forest/perennial herb//4,265-6,840	2B.3	--	--	--	Y	N
<i>Fissidens aphelotaxifolius</i>	brook pocket moss	Lower montane coniferous forest, Upper montane coniferous forest; Rocky, Streambanks/moss//6,560-7,215	2B.2	--	--	USFS	Y	Y
<i>Fissidens pauperculus</i>	minute pocket moss	North Coast coniferous forest (damp coastal soil)/moss//35-3,355	1B.2	--	--	USFS	Y	N
<i>Frangula purshiana ssp. ultramafica</i>	Caribou coffeeberry	Chaparral, Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Serpentinite/perennial deciduous shrub/May-July/2,705-6,330	1B.2	--	--	USFS	Y	N
<i>Frasera albicaulis var. modocensis</i>	Modoc green-gentian	Great Basin grassland, Upper montane coniferous forest (sometimes); Openings/perennial herb/May-July/2,950-5,740	2B.3	--	--	--	Y	N
<i>Fremontodendron decumbens</i>	Pine Hill flannelbush	Chaparral, Cismontane woodland; Gabbroic (sometimes), Rocky, Serpentinite (sometimes)/perennial evergreen shrub/Apr-July/1,390-2,490	1B.2	CR	FE	--	Y	Y
<i>Fritillaria eastwoodiae</i>	Butte County fritillary	Chaparral, Cismontane woodland, Lower montane coniferous forest (openings); Serpentinite	3.2	--	--	USFS	Y	Y

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		(sometimes)/perennial bulbiferous herb/Mar-June/165-4,920						
<i>Fritillaria gentneri</i>	Gentner's fritillary	Chaparral, Cismontane woodland, Lower montane coniferous forest; Serpentine (sometimes)/perennial bulbiferous herb/Apr-May/3,295-9,740	1B.1	--	FE	--	Y	N
<i>Fritillaria pluriflora</i>	adobe-lily	Chaparral, Cismontane woodland, Valley and foothill grassland; Adobe (often)/perennial bulbiferous herb/Feb-Apr/195-2,315	1B.2	--	--	BLM	Y	N
<i>Galium californicum ssp. sierrae</i>	El Dorado bedstraw	Chaparral, Cismontane woodland, Lower montane coniferous forest; Gabbroic/perennial herb/May-June/330-1,915	1B.2	CR	FE	--	N	Y
<i>Galium glabrescens ssp. modocense</i>	Modoc bedstraw	Great Basin scrub (gravelly, rocky, talus)/perennial herb/June-Aug/5,085-9,300	1B.2	--	--	BLM; USFS	Y	N
<i>Galium serpenticum ssp. scotticum</i>	Scott Mountain bedstraw	Lower montane coniferous forest (serpentine)/perennial herb/May-Aug/3,280-6,805	1B.2	--	--	BLM	Y	N
<i>Galium serpenticum ssp. warnerense</i>	Warner Mountains bedstraw	Meadows and seeps, Pinyon and juniper woodland, Subalpine coniferous forest; Rocky, Talus/perennial rhizomatous herb/June-July/4,755-9,020	1B.2	--	--	USFS	Y	N
<i>Gentiana plurisetosa</i>	Klamath gentian	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Mesic/perennial herb/July-Sep/3,935-6,235	1B.3	--	--	--	Y	N
<i>Geum aleppicum</i>	Aleppo avens	Great Basin scrub, Lower montane coniferous forest, Meadows and seeps/perennial herb/June-Aug/1,475-4,920	2B.2	--	--	--	Y	N
<i>Gilia yorkii</i>	Monarch gilia	Chaparral, Cismontane woodland; Carbonate/annual herb/May-July/4,230-6,000	1B.1	--	--	USFS	N	Y
<i>Githopsis tenella</i>	delicate bluecup	Chaparral, Cismontane woodland; Mesic, Serpentine/annual herb/Apr-June/1,065-6,235	1B.3	--	--	BLM	N	Y
<i>Glossopetalon clokeyi</i>	Clokey's greasebush	Limestone cliffs on edges or in crevices; Spring Mtns, NV endemic/perennial shrub/May-July/6,885-9,845	--	--	--	USFS	N	Y
<i>Glossopetalon pungens var. glabra</i>	Smooth Dwarf greasewood	Crevices of carbonate cliffs and outcrops/perennial shrub/April-July/5,495-6,560	1B.2	--	--	BLM; USFS	N	Y
<i>Glyceria grandis</i>	American manna grass	Bogs and fens, Marshes and swamps (lake margins, streambanks), Meadows and seeps/perennial rhizomatous herb/June-Aug/50-6,495	2B.3	--	--	--	N	Y
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop	Marshes and swamps (lake margins), Vernal pools; Clay/annual herb/Apr-Aug/35-7,790	1B.2	CE	--	BLM	Y	N
<i>Hackelia mundula</i>	Pink stickseed	Red fir forest and lodgepole forest/perennial herb/May-July/ 5840 to 9250	--	--	--	USFS	Y	N

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<i>Haplodontium tehamense</i>	Lassen Peak copper moss	Alpine boulder and rock field (mesic, rock, soil, volcanic)/moss//8,200-9,185	1B.3	-	-	-	Y	N
<i>Harpanthus flotovianus</i>	Great mountain flapwort	Bogs and fens, Rotting wood, Moist humus, Soil-covered rocks; Boreal, Montane regions/liverwort/N.A./above 3,000	-	-	-	USFS	Y	N
<i>Helianthus winteri</i>	Winter's sunflower	Cismontane woodland, Valley and foothill grassland; Granitic, Openings, Roadsides (often), Rocky (often), Slopes/perennial shrub/Jan-Dec/410-1,505	1B.2	-	-	BLM	N	Y
<i>Heliotropium curassavicum</i>	Salt heliotrope	Near water; Moist to dry, saline to alkaline soils/annual or perennial herb/Feb-Oct/below 7,380	-	-	-	USFS	Y	N
<i>Hemieva ranunculifolia</i>	buttercup-leaf hemieva	Meadows and seeps, Upper montane coniferous forest; Granitic, Mesic, Rock crevices (often), Rocky/perennial herb/June-Aug/4,920-8,200	2B.2	-	-	-	Y	N
<i>Heteranthera dubia</i>	water star-grass	Marshes and swamps (alkaline, still, slow-moving water); Alkaline/perennial herb (aquatic)/July-Oct/100-4,900	2B.2	-	-	-	Y	N
<i>Heterotheca monarchensis</i>	Monarch golden-aster	Cismontane woodland (carbonate)/perennial herb/May-Oct/3,590-6,065	1B.1	-	-	USFS	N	Y
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	Marshes and swamps (freshwater)/perennial rhizomatous herb (emergent)/June-Sep/0-395	1B.2	-	-	-	Y	Y
<i>Horkelia daucifolia</i> var. <i>indicta</i>	Jepson's horkelia	Cismontane woodland; Clay, Openings, Vernally Mesic, Volcanic/perennial herb/Apr-June/785-2,200	1B.1	-	-	-	Y	N
<i>Horkelia parryi</i>	Parry's horkelia	Chaparral, Cismontane woodland/perennial herb/Apr-Sep/260-3,510	1B.2	-	-	BLM; USFS	N	Y
<i>Hosackia oblongifolia</i> var. <i>cuprea</i>	copper-flowered bird's-foot trefoil	Meadows and seeps (edges), Upper montane coniferous forest; Mesic/perennial rhizomatous herb/June-Aug/7,870-9,020	1B.3	-	-	-	N	Y
<i>Hulsea brevifolia</i>	short-leaved hulsea	Lower montane coniferous forest, Upper montane coniferous forest; Granitic (sometimes), Gravelly (sometimes), Sandy (sometimes), Volcanic (sometimes)/perennial herb/May-Aug/4,920-10,495	1B.2	-	-	USFS	N	Y
<i>Hulsea nana</i>	little hulsea	Alpine boulder and rock field, Subalpine coniferous forest; Gravelly (sometimes), Rocky (sometimes), Volcanic/perennial herb/July-Aug/5,640-11,005	2B.3	-	-	-	Y	N
<i>Hymenoxys lemmonii</i>	alkali hymenoxys	Great Basin scrub, Lower montane coniferous forest, Meadows and seeps (subalkaline)/perennial herb/(May)June-Aug(Sep)/785-11,120	2B.2	-	-	-	Y	N
<i>Imperata brevifolia</i>	California satintail	Chaparral, Coastal scrub, Meadows and seeps (often alkali), Mojavean desert scrub, Riparian scrub; Mesic/perennial rhizomatous herb/Sep-May/0-3,985	2B.1	-	-	-	Y	Y

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<i>Iris hartwegii</i> ssp. <i>columbiana</i>	Tuolumne iris	Cismontane woodland, Lower montane coniferous forest/perennial rhizomatous herb/May-June/1,390-4,590	1B.2	--	--	BLM; USFS	N	Y
<i>Isoetes minima</i>	Columbia quillwort	Meadows and seeps; Vernal Mesic/perennial coniferous herb/June/7,185-7,185	1B.1	--	--	USFS	N	Y
<i>Ivesia aperta</i> var. <i>aperta</i>	Sierra Valley ivesia	Great Basin scrub, Lower montane coniferous forest, Meadows and seeps, Pinyon and juniper woodland, Vernal pools; Vernal Mesic, Volcanic (usually)/perennial herb/June-Sep/4,855-7,545	1B.2	--	--	BLM; USFS	Y	N
<i>Ivesia aperta</i> var. <i>canina</i>	Dog Valley ivesia	Lower montane coniferous forest (openings), Meadows and seeps (xeric); Rocky, Volcanic/perennial herb/June-Aug/5,245-6,560	1B.1	--	--	USFS	Y	N
<i>Ivesia baileyi</i> var. <i>baileyi</i>	Bailey's ivesia	Great Basin scrub, Lower montane coniferous forest; Rocky, Volcanic/perennial herb/May-Aug/4,395-8,530	2B.3	--	--	--	Y	N
<i>Ivesia baileyi</i> var. <i>beneolens</i>	Owyhee ivesia	Pinyon and juniper woodland, Upper montane coniferous forest; Rocky, Volcanic/perennial herb/June/7,050-7,050	2B.3	--	--	--	Y	N
<i>Ivesia campestris</i>	field ivesia	Meadows and seeps (edges), Subalpine coniferous forest, Upper montane coniferous forest/perennial herb/May-Aug/6480-11140	1B.2	--	--	--	N	Y
<i>Ivesia cryptocaulis</i>	Hidden ivesia	Subalpine conifer woodlands, alpine tundra communities; Limestone gravel, scree, or talus slopes, outcrops; Spring Mtns, NV endemic/perennial herb/June-Aug/8,200-12,140	--	--	--	USFS	N	Y
<i>Ivesia jaegeri</i>	Jaeger's ivesia	Pinyon and juniper woodland, Upper montane coniferous forest; Carbonate, Rocky/perennial herb/June-July/6,005-11,810	1B.3	--	--	USFS	N	Y
<i>Ivesia longibracteata</i>	Castle Crag ivesia	Lower montane coniferous forest (granitic, rocky)/perennial herb/June/3,935-4,590	1B.3	--	--	USFS	Y	N
<i>Ivesia paniculata</i>	Ash Creek ivesia	Great Basin scrub, Pinyon and juniper woodland, Upper montane coniferous forest; Gravelly (sometimes), Rocky (sometimes), Volcanic/perennial herb/May-Aug/4,920-6,395	1B.2	--	--	BLM; USFS	Y	N
<i>Ivesia pickeringii</i>	Pickering's ivesia	Lower montane coniferous forest, Meadows and seeps; Clay, Mesic, Seeps (usually), Serpentinite (usually)/perennial herb/June-Aug(Oct)/2,620-4,950	1B.2	--	--	USFS	Y	N
<i>Ivesia rhypara</i> var. <i>rhypara</i>	grimy ivesia	This plant has 5 small occurrences in the Surprise Field Office within one mile of each other in NV. Listed as Endangered by the State of Oregon (BLM 2015)./N.A./0-0	--	--	--	BLM	N	N
<i>Ivesia sericoleuca</i>	Plumas ivesia	Great Basin scrub, Lower montane coniferous forest, Meadows and seeps, Vernal pools; Vernal Mesic, Volcanic (usually)/perennial herb/May-Oct/4,295-7,215	1B.2	--	--	USFS	Y	N

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<i>Ivesia webberi</i>	Webber's ivesia	Great Basin scrub (volcanic ash), Lower montane coniferous forest, Pinyon and juniper woodland; Gravelly (sometimes), Sandy (sometimes)/perennial herb/May-July/3,280-6,805	1B.1	--	FT	USFS	Y	N
<i>Jamesia tetrapetala</i>	Four-petal cliffbush	Grows with chokecherry, mountain mahogany, sagebrush, <i>Ephedra</i> ; Limestone cliffs, crevices, talus/perennial shrub/June-Aug/6560-10,826	--	--	--	BLM, USFS	Y	N
<i>Juncus digitatus</i>	finger rush	Cismontane woodland (openings), Lower montane coniferous forest (openings), Vernal pools (xeric)/annual herb/(Apr)May-June/2165-3600	1B.1	--	--	--	Y	N
<i>Juncus dudleyi</i>	Dudley's rush	Lower montane coniferous forest (mesic)/perennial herb/July-Aug/1,195-6,560	2B.3	--	--	--	Y	N
<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush	Chaparral, Cismontane woodland, Meadows and seeps, Valley and foothill grassland, Vernal pools; Vernal Mesic/annual herb/March-June/115-4,100	1B.1	--	--	BLM; USFS	Y	N
<i>Juncus luciensis</i>	Santa Lucia dwarf rush	Chaparral, Great Basin scrub, Lower montane coniferous forest, Meadows and seeps, Vernal pools/annual herb/Apr-July/985-6,690	1B.2	--	--	BLM; USFS	Y	N
<i>Juncus kelloggii</i>	Kellogg's dwarf rush	Occurs usually in wetlands, occasionally in non wetlands. Yellow Pine Forest, Red Fir Forest, Lodgepole Forest, Subalpine Forest, Foothill Woodland, Chaparral, Valley Grassland, wetland-riparian, many plant communities/annual grass/April-July/50-3970/	CBR	--	--	USFS	Y	Y
<i>Juncus tiehmii</i>	Nevada rush	Occurs usually in wetlands, riparian areas, and occasionally in non wetlands/annual grasslike herb/May-July/2820-7515	CBR	--	--	USFS	Y	Y
<i>Kobresia myosuroides</i>	seep kobresia	Alpine boulder and rock field (mesic), Meadows and seeps (carbonate), Subalpine coniferous forest/perennial rhizomatous herb/(June)Aug/4,885-10,645	2B.2	--	--	--	N	Y
<i>Ladeania lanceolata</i>	lance-leaved scurf-pea	Great Basin scrub (sandy)/perennial rhizomatous herb/Apr-Aug/4,000-8,200	2B.3	--	--	--	Y	N
<i>Lagophylla dichotoma</i>	forked hare-leaf	Cismontane woodland, Valley and foothill grassland; Clay (sometimes)/annual herb/Apr-May/150-1,095	1B.1	--	--	--	N	Y
<i>Lasthenia chrysantha</i>	alkali-sink goldfields	Vernal pools; Alkaline/annual herb/Feb-Apr/0-655	1B.1	--	--	--	N	Y
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	Marshes and swamps (coastal salt), Playas, Vernal pools/annual herb/Feb-June/5-4005	1B.1	--	--	--	Y	Y
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Marshes and swamps (brackish, freshwater)/perennial herb/May-July(Aug-Sep)/0-15	1B.2	--	--	--	N	Y
<i>Lathyrus rigidus</i>	rigid pea	Great Basin scrub, Pinyon and juniper woodland; Disturbed areas (often)/perennial herb/Apr-July/2,620-5,740	2B.2	--	--	--	Y	N

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<i>Layia munzii</i>	Munz's tidy-tips	Chenopod scrub, Valley and foothill grassland (alkaline clay)/annual herb/Mar-Apr/490-2295	1B.2	--	--	--	N	Y
<i>Layia septentrionalis</i>	Colusa layia	Chaparral, Cismontane woodland, Valley and foothill grassland; Sandy, Serpentine/annual herb/Apr-May/330-3,595	1B.2	--	--	--	N	Y
<i>Legenere limosa</i>	legenere	Vernal pools/annual herb/Apr-June/5-2885	1B.1	--	--		Y	Y
<i>Leptosiphon serrulatus</i>	Madera leptosiphon	Cismontane woodland, Lower montane coniferous forest/annual herb/Apr-May/985-4,265	1B.2	--	--	BLM; USFS	N	Y
<i>Lesquerella hitchcockii</i> var. <i>hitchcockii</i> [<i>Physaria hitchcockii</i> var. <i>hitchcockii</i>]	Hitchcock's bladderpod	Gravelly or rocky limestone at or above timberline/perennial herb/Jun-July/7,545-11,485	--	--	--	USFS	N	Y
<i>Lewinskya holzingeri</i>	Holzinger's bristle moss	Cismontane woodland, Lower montane coniferous forest, Pinyon and juniper woodland, Upper montane coniferous forest/moss/N.A./2345-5905	1B.3	--	--	--	Y	Y
<i>Lewinskya spjutii</i>	Spjut's bristle moss	Lower montane coniferous forest, Pinyon and juniper woodland, Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Rocky/moss/N.A./6,890-7,875	1B.3	--	--	--	N	Y
<i>Lewisia cantelovii</i>	Cantelow's lewisia	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest; Granitic, Mesic, Seeps (sometimes), Serpentine (sometimes)/perennial herb/May-Oct/1,080-4,490	1B.2	--	--	BLM; USFS	Y	N
<i>Lewisia congdonii</i>	Congdon's lewisia	Chaparral, Cismontane woodland, Lower montane coniferous forest, Upper montane coniferous forest, Valley and foothill grassland; Granitic (sometimes), Mesic, Metamorphic (sometimes), Rocky/perennial herb/Apr-June/1,640-9,185	1B.3	CR	--	USFS	N	Y
<i>Lewisia cotyledon</i> var. <i>heckneri</i>	Heckner's lewisia	Lower montane coniferous forest (rocky)/perennial herb/(Apr)May-July/740-6,885	1B.2	--	--	BLM	Y	N
<i>Lewisia disepala</i>	Yosemite lewisia	Lower montane coniferous forest, Pinyon and juniper woodland, Upper montane coniferous forest; Granitic, Sandy/perennial herb/Mar-June/3,395-11,480	1B.2	--	--	BLM; USFS	N	Y
<i>Lewisia kelloggii</i> ssp. <i>hutchisonii</i>	Hutchison's lewisia	Upper montane coniferous forest; Openings/perennial herb/(Apr)May-Aug/2,505-7,755	3.2	--	--	USFS	Y	Y
<i>Lewisia kelloggii</i> ssp. <i>kelloggii</i>	Kellogg's lewisia	Upper montane coniferous forest; Openings/perennial herb/(Apr)May-Aug/4,805-7,755	3.2	--	--	USFS	Y	Y
<i>Lewisia longipetala</i>	long-petaled lewisia	Alpine boulder and rock field, Subalpine coniferous forest (mesic, rocky); Granitic/perennial herb/July-Aug(Sep)/8,200-9,595	1B.3	--	--	USFS	N	Y

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<i>Lewisia maguirei</i>	Maguire's bitterroot	Dry, sparsely vegetated carbonate scree or shallow gravelly-clay soils, Steep slopes and ridgelines, Pinyon-juniper zones/perennial herb/Jun-Aug/7,215-8,300	--	--	--	BLM; USFS	N	Y
<i>Lewisia serrata</i>	saw-toothed lewisia	Broadleaved upland forest, Lower montane coniferous forest, Riparian forest; Mesic, Rocky, Slopes/perennial herb/May-June/2,525-4,705	1B.1	--	--	USFS	N	Y
<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Marshes and swamps (brackish, freshwater), Riparian scrub/perennial rhizomatous herb/Apr-Nov/0-35	1B.1	CR	--	--	N	Y
<i>Limnanthes floccosa</i> ssp. <i>bellingiana</i>	Bellinger's meadowfoam	Cismontane woodland, Meadows and seeps; Mesic/annual herb/Apr-June/950-3,605	1B.2	--	--	USFS	Y	N
<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	Valley and foothill grassland (mesic), Vernal pools/annual herb/Mar-May/150-3,050	1B.1	CE	FE	--	Y	N
<i>Lipocarpha aristulata</i>	Pointed hemicarpha	Wet, sandy soil, emergent shorelines, stream banks, ponds/annual herb/Aug-Sept/0-4,920	--	--	--	USFS-	Y	N
<i>Lipocarpha occidentalis</i>	Western hemicarpha	Wet soil, emergent shorelines/annual herb/Jun-Aug/3,935-6,235	--	--	--	USFS	Y	Y
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i>	sagebrush loeflingia	Desert dunes, Great Basin scrub, Sonoran desert scrub; Sandy/annual herb/Apr-May/2,295-5,295	2B.2	--	--	BLM	Y	Y
<i>Lomatium congdonii</i>	Congdon's lomatium	Chaparral, Cismontane woodland; Serpentinite/perennial herb/Mar-June/985-6,885	1B.2	--	--	BLM	N	Y
<i>Lomatium foeniculaceum</i> ssp. <i>macdougallii</i>	Macdougall's lomatium	Chenopod scrub, Great Basin scrub, Lower montane coniferous forest, Pinyon and juniper woodland; Volcanic/perennial herb/Apr-July/3,935-6,770	2B.2	--	--	--	Y	Y
<i>Lomatium grayi</i>	Gray's lomatium	Great Basin scrub, Pinyon and juniper woodland/perennial herb/Apr-June/4,560-4,640	2B.3	--	--	--	Y	Y
<i>Lomatium hendersonii</i>	Henderson's lomatium	Great Basin scrub, Lower montane coniferous forest, Pinyon and juniper woodland; Clay, Rocky/perennial herb/Mar-June/4,590-8,005	2B.3	--	--	--	Y	N
<i>Lomatium peckianum</i>	Peck's lomatium	Chaparral, Cismontane woodland, Lower montane coniferous forest, Pinyon and juniper woodland; Volcanic/perennial herb/Apr-May(June)/2,295-5,905	2B.2	--	--	--	Y	N
<i>Lomatium ravenii</i> var. <i>paiutense</i>	Paiute lomatium	Great Basin scrub; Clay, Gravelly, Rocky, Volcanic/perennial herb/Apr-June/2,885-5,510	2B.3	--	--	--	Y	N
<i>Lomatium ravenii</i> var. <i>ravenii</i>	Raven's lomatium	Great Basin scrub; Adobe, Alkaline, Clay, Loam/perennial herb/Apr-June/5,300-5,825	1B.3	--	--	--	Y	N
<i>Lomatium roseanum</i>	adobe lomatium	Great Basin scrub, Lower montane coniferous forest; Gravelly, Openings, Rocky/perennial herb/May-July/4,795-7,395	1B.2	--	--	BLM; USFS	Y	N
<i>Lomatium stebbinsii</i>	Stebbins' lomatium	Chaparral, Lower montane coniferous forest; Clay, Serpentinite, Volcanic/perennial herb/Mar-May/4,080-7,790	1B.1	--	--	USFS	N	Y

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<i>Lophozia gillmanii</i> [<i>Mesoptychia gillmanii</i>]	Gillman's pawwort	Cliffs and ledges, Boreal-alpine habitat; Peaty soils/perennial liverwort/N.A./	--	--	--	USFS	Y	N
<i>Lupinus citrinus</i> var. <i>citrinus</i>	orange lupine	Chaparral, Cismontane woodland, Lower montane coniferous forest; Granitic/annual herb/Apr-July/1,245-5,575	1B.2	--	--	USFS	N	Y
<i>Lupinus citrinus</i> var. <i>deflexus</i>	Mariposa lupine	Chaparral, Cismontane woodland; Granitic, Sandy/annual herb/Apr-May/1,310-2,000	1B.2	CT	--	--	N	Y
<i>Lupinus gracilentus</i>	slender lupine	Subalpine coniferous forest/perennial herb/July-Aug/8,200-11,480	1B.3	--	--	--	N	Y
<i>Lupinus latifolius</i> var. <i>barbatus</i>	bearded lupine	Upper montane coniferous forest (mesic)/perennial herb/June-July/4,920-8,200	3.2	--	--	USFS	Y	N
<i>Lupinus pusillus</i> var. <i>intermontanus</i>	intermontane lupine	Great Basin scrub (sandy)/annual herb/May-June/4,000-6,755	2B.3	--	--	--	Y	Y
<i>Lupinus spectabilis</i>	shaggyhair lupine	Chaparral, Cismontane woodland; Serpentinite/annual herb/Apr-May/855-2,705	1B.2	--	--	BLM	N	Y
<i>Lupinus uncialis</i>	lilliput lupine	Great Basin scrub, Pinyon and juniper woodland; Gravelly, Volcanic/annual herb/May-July/4,265-5,245	2B.2	--	--	BLM	Y	N
<i>Lycopodiella inundata</i>	inundated bog-clubmoss	Bogs and fens (coastal), Lower montane coniferous forest (mesic), Marshes and swamps (lake margins)/perennial rhizomatous herb/June-Sep/15-3280	2B.2	--	--	--	N	Y
<i>Lysimachia thyrsoiflora</i>	tufted loosestrife	Marshes and swamps, Meadows and seeps (mesic), Upper montane coniferous forest/perennial herb/May-Aug/3,195-5,495	2B.3	--	--	--	Y	N
<i>Meesia longiseta</i>	long seta hump moss	Bogs and fens, Meadows and seeps, Upper montane coniferous forest; Carbonate/moss/5,740-9,990	2B.3	--	--	--	N	Y
<i>Meesia triquetra</i>	three-ranked hump moss	Bogs and fens, Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest (mesic)/moss/July/4265-9690	4.2	--	--	USFS	Y	Y
<i>Meesia uliginosa</i>	broad-nerved hump moss	Bogs and fens, Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest/moss/July-Oct/3,965-9,195	2B.2	--	--	USFS	Y	Y
<i>Melica smithii</i>	Smith's melic grass	Moist, Woodlands, forests, Montane areas/perennial herb/Jun-Aug/2,295-7,875	--	--	--	USFS	Y	N
<i>Mertensia longiflora</i>	long bluebells	Great Basin scrub, Lower montane coniferous forest/perennial herb/Apr-June/5,000-7,215	2B.2	--	--	--	Y	N
<i>Mertensia oblongifolia</i> var. <i>amoena</i>	beautiful sagebrush bluebells	Great Basin scrub, Meadows and seeps/perennial herb/Apr-July/5,345-7,595	2B.2	--	--	--	Y	N
<i>Mertensia oblongifolia</i> var. <i>oblongifolia</i>	sagebrush bluebells	Great Basin scrub, Lower montane coniferous forest, Meadows and seeps, Subalpine coniferous forest; Mesic (usually)/perennial herb/Apr-July/3,280-9,840	2B.2	--	--	--	Y	N

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<i>Micromonolepis pusilla</i>	dwarf monolepis	Great Basin scrub; Alkaline, Openings/annual herb/May-Aug/4,920-7,875	2B.3	--	--	--	Y	N
<i>Microseris laciniata</i> ssp. <i>detlingii</i>	Detling's silverpuffs	Cismontane woodland; Clay, Openings/perennial herb/May-June/1,970-4,920	2B.1	--	--	--	Y	N
<i>Mielichhoferia elongata</i>	elongate copper moss	Broadleafed upland forest, Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Meadows and seeps, Subalpine coniferous forest; Acidic (usually), Carbonate (sometimes), Metamorphic, Roadsides (often), Vernal Mesic (usually)/moss//0-6,430	4.3	--	--	USFS	N	Y
<i>Mielichhoferia mielichhoferiana</i>	Mielichhofer's copper moss	Subalpine coniferous forest/moss/N.A./6480-6480	2B.3	--	--		Y	N
<i>Mielichhoferia shevockii</i>	Shevock's copper moss	Cismontane woodland (mesic, metamorphic, rock)/moss//2,460-4,590	1B.2	--	--	BLM	N	Y
<i>Mirabilis macfarlanei</i>	Macfarlane's four-o'clock	Canyon walls, rockslides, Sandy to gravelly talus slopes; Endemic to UT and ID only/perennial herb/May-June/980-3,000	--	--	FT	BLM; USFS	Y	N
<i>Monardella follettii</i>	Follett's monardella	Lower montane coniferous forest (rocky, serpentinite)/perennial shrub/June-Sep/1,965-6,560	1B.2	--	--	USFS	Y	N
<i>Monardella leucocephala</i>	Merced monardella	Valley and foothill grassland (mesic, sandy)/annual herb/May-Aug/115-330	1A	--	--	--	N	Y
<i>Monardella stebbinsii</i>	Stebbins' monardella	Broadleafed upland forest, Chaparral, Lower montane coniferous forest; Rocky, Serpentinite/perennial rhizomatous herb/July-Sep/2,555-3,605	1B.2	--	--	USFS	Y	N
<i>Monardella venosa</i>	veiny monardella	Cismontane woodland, Valley and foothill grassland; Clay/annual herb/May-July/195-1,345	1B.1	--	--	--	Y	Y
<i>Moneses uniflora</i>	woodnymph	Broadleafed upland forest, North Coast coniferous forest/perennial rhizomatous herb/May-Aug/330-3,605	2B.2	--	--	--	Y	N
<i>Monotropa uniflora</i>	ghost-pipe	Broadleafed upland forest, North Coast coniferous forest/perennial herb (achlorophyllous)/June-Aug(Sep)/35-1805	2B.2	--	--	--	Y	N
<i>Muhlenbergia minutissima</i>	Annual muhly	Open, disturbed sandy slopes, Seeps/annual herb/June-Oct/1,310-7,545	--	--	--	USFS	Y	Y
<i>Muhlenbergia utilis</i>	aparejo grass	Chaparral, Cismontane woodland, Coastal scrub, Marshes and swamps, Meadows and seeps; Alkaline (sometimes), Serpentinite (sometimes)/perennial rhizomatous herb/Mar-Oct/80-7,625	2B.2	--	--	--	N	Y
<i>Myriopteris gracilis</i> [<i>Cheilanthes feei</i>]	Slender lipfern	Calcareous, limestone or sandstone crevices, slopes, cliffs/perennial herb or forb/May-Oct/3,280-12,400	--	--	--	USFS	Y	N
<i>Myriopteris intertexta</i> [<i>Cheilanthes intertexta</i>]	Coastal lipfern	Rocky slopes and ledges; Igneous substrates (usually)/perennial herb or forb/Apr-July/980-9,180	--	--	--	USFS	Y	N

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<i>Nardia hiroshii</i>	Hiroshi's flapwort	Meadows and seeps; Granitic/liverwort/N.A./7,200-7,200	2B.3	--	--	--	N	Y
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland, Vernal pools; Mesic/annual herb/Apr-July/15-5,705	1B.1	--	--	--	Y	N
<i>Navarretia miwukensis</i>	Mi-Wuk navarretia	Lower montane coniferous forest; Openings/annual herb/May-June(July)/2,620-4,920	1B.2	--	--	--	N	Y
<i>Navarretia myersii</i> ssp. <i>myersii</i>	pincushion navarretia	Vernal pools; Acidic (often)/annual herb/Apr-May/65-1,085	1B.1	--	--	--	N	Y
<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	shining navarretia	Cismontane woodland, Valley and foothill grassland, Vernal pools; Clay (sometimes)/annual herb/(Mar)Apr-July/215-3,280	1B.2	--	--	--	N	Y
<i>Navarretia paradoxiclara</i>	Patterson's navarretia	Meadows and seeps; Openings, Serpentine, Vernally Mesic/annual herb/May-June(July)/490-1,410	1B.3	--	--	--	N	Y
<i>Navarretia prolifera</i> ssp. <i>lutea</i>	yellow bur navarretia	Chaparral, Cismontane woodland/annual herb/May-July/2,795-4,595	4.3	--	--	USFS	N	Y
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	Coastal scrub, Meadows and seeps, Valley and foothill grassland (alkaline), Vernal pools; Mesic/annual herb/Apr-July/10-3,970	1B.2	--	--	--	N	Y
<i>Nemophila breviflora</i>	Great Basin nemophila	Great Basin scrub, Meadows and seeps, Upper montane coniferous forest; Mesic/annual herb/May-July/4,000-7,905	2B.3	--	--	--	Y	N
<i>Neostapfia colusana</i>	Colusa grass	Vernal pools (adobe clay)/annual herb/May-Aug/15-655	1B.1	CE	FT	--	N	N
<i>Neviusia cliftonii</i>	Shasta snow-wreath	Cismontane woodland, Lower montane coniferous forest, Riparian woodland; Carbonate (sometimes), Streambanks (often), Volcanic/perennial deciduous shrub/Apr-June/985-1,935	1B.2	CC	--	USFS	Y	N
<i>Oenothera wolfii</i>	Wolf's evening-primrose	Coastal bluff scrub, Coastal dunes, Coastal prairie, Lower montane coniferous forest; Mesic (usually), Sandy/perennial herb/May-Oct/10-2,620	1B.1	--	--	--	Y	N
<i>Ophioglossum pusillum</i>	northern adder's-tongue	Marshes and swamps (margins), Meadows and seeps/perennial rhizomatous herb/July/3,280-6,560	2B.2	--	--	USFS	Y	Y
<i>Opuntia fragilis</i>	brittle prickly-pear	Pinyon and juniper woodland (volcanic)/perennial stem/Apr-July/2,690-2,885	2B.1	--	--	--	Y	N
<i>Orcuttia inaequalis</i>	San Joaquin Valley Orcutt grass	Vernal pools/annual herb/Apr-Sep/35-2,475	1B.1	CE	FT	--	N	Y
<i>Orcuttia pilosa</i>	hairy Orcutt grass	Vernal pools/annual herb/May-Sep/150-655	1B.1	CE	FE	--	N	N

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<i>Orcuttia tenuis</i>	slender Orcutt grass	Vernal pools; Gravelly (often)/annual herb/May-Sep(Oct)/115-5,770	1B.1	CE	FT	--	Y	N
<i>Orcuttia viscida</i>	Sacramento Orcutt grass	Vernal pools/annual herb/Apr-July(Sep)/100-330	1B.1	CE	FE	--	N	N
<i>Oreocarya crymophila</i>	subalpine cryptantha	Subalpine coniferous forest (rocky, volcanic)/perennial herb/July-Aug/8,530-10,495	1B.3	--	--	--	N	Y
<i>Oreocarya glomerata</i>	cocks-comb cat's-eye	Pinyon and juniper woodland/perennial herb/July-Aug/5,100-7,085	2B.3	--	--	--	Y	N
<i>Oreonana purpurascens</i>	purple mountain-parsley	Broadleafed upland forest, Subalpine coniferous forest, Upper montane coniferous forest; Metamorphic (usually)/perennial herb/May-June/7,855-9,395	1B.2	--	--	USFS	N	N
<i>Oreostemma elatum</i>	tall alpine-aster	Bogs and fens, Meadows and seeps, Upper montane coniferous forest; Mesic/perennial herb/June-Aug/3,295-6,885	1B.2	--	--	USFS	Y	N
<i>Orthocarpus bracteosus</i>	rosy orthocarpus	Meadows and seeps/annual herb/June-Sep/3,375-6,065	2B.2	--	--	--	Y	N
<i>Orthocarpus pachystachyus</i>	Shasta orthocarpus	Great Basin scrub, Meadows and seeps, Valley and foothill grassland/annual herb/May/2,755-2,785	1B.1	--	--	--	Y	N
<i>Orthotrichum shevockii</i>	Shevock rockmoss (also Shevock's brittle moss)	Dry granitic rock in Southern Sierra Nevada/moss//3,608-5,249	--	--	--	USFS	N	Y
<i>Orthotrichum spjutii</i>	Spjut's bristle moss	Lower montane coniferous forest, Pinyon and juniper woodland, Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Rocky/moss//6,885-7,870	1B.3	--	--	--	N	Y
<i>Osmorhiza depauperata</i>	blunt-fruited sweet-cicely	Lower montane coniferous forest/perennial herb/May-July/6,000-6,065	2B.3	--	--	--	Y	N
<i>Packera eurycephala var. lewisrosei</i>	Lewis Rose's ragwort	Chaparral, Cismontane woodland, Lower montane coniferous forest; Serpentinite/perennial herb/Mar-July(Aug-Sep)/900-6,200	1B.2	--	--	BLM; USFS	Y	N
<i>Packera indecora</i>	rayless mountain ragwort	Meadows and seeps (mesic)/perennial herb/July-Aug/4,755-6,560	2B.2	--	--	--	Y	N
<i>Packera layneae</i>	Layne's ragwort	Chaparral, Cismontane woodland; Gabbroic (sometimes), Rocky, Serpentinite (sometimes)/perennial herb/Apr-Aug/655-3,555	1B.2	CR	FT	--	N	Y
<i>Panicum acuminatum var. thermale</i>	Geysers panicum	Closed-cone coniferous forest, Riparian forest, Valley and foothill grassland; Streambanks (sometimes)/annual/perennial herb/June-Aug/1,000-8,100	1B.2	CE	--	--	Y	N

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<i>Parnassia cirrata</i> var. <i>intermedia</i>	Cascade grass-of-Parnassus	Bogs and fens, Meadows and seeps; Rocky, Serpentine/perennial herb/(July)Aug-Sep(Oct)/2,555-6,495	2B.2	--	--	USFS	Y	N
<i>Paronychia ahartii</i>	Ahart's paronychia	Cismontane woodland, Valley and foothill grassland, Vernal pools/annual herb/Feb-June/100-1675	1B.1	--	--	--	Y	N
<i>Pedicularis centranthera</i>	Great Basin lousewort	Great Basin scrub (alluvial)/perennial herb/Apr-June/4265-4920	2B.3	--	--	--	Y	N
<i>Pedicularis crenulata</i>	scalloped-leaved lousewort	Meadows and seeps (mesic)/perennial herb/June-July/6,885-7,545	2B.2	--	--	--	N	Y
<i>Pedicularis howellii</i>	Howell's lousewort	Upper montane coniferous forest (often serpentine)/perennial herb/June-Aug/4,920-6,230	4.3	--	--	USFS	Y	N
<i>Peltigera gowardii</i>	western waterfan lichen	Riparian forest/foliose lichen (aquatic)//3,490-8,595	4.2	--	--	USFS	Y	Y
<i>Penstemon arenarius</i>	Dune beardtongue	Deep, volcanic sandy soils; Associated with Saltbush, littleleaf horsebrush, greasewood; NV endemic/perennial herb/May-July/3,935-4,430	--	--	--	BLM; USFS	N	Y
<i>Penstemon concinnus</i>	Tunnel Springs beardtongue	Pinyon-juniper woodlands, Sagebrush, Dolomite formations. Gravelly soils; Great Basin endemic (NV and UT)/perennial herb/May-June/5,250-6,560	--	--	--	BLM; USFS	N	Y
<i>Penstemon janishiae</i>	Janish's beardtongue	Great Basin scrub, Lower montane coniferous forest, Pinyon and juniper woodland; Gravelly, Volcanic/perennial herb/May-July/3,490-7,705	2B.2	--	--	BLM	Y	N
<i>Penstemon leiophyllus</i> var. <i>keckii</i>	Charleston beardtongue	Talus slopes, rock outcrops; Spring Mtns, NV endemic/perennial herb/June-Aug/6,560-11,480	--	--	--	USFS	N	Y
<i>Penstemon moriahensis</i>	Mt. Moriah beardtongue	Scrubby sagebrush/mountain mahogany woodlands, Open sagebrush meadows, slopes, Open ponderosa pine stands, Upper pinyon-juniper and pinyon woodlands; Road banks, recovering disturbances with enhanced runoff; Open, gravelly or silty carbonate soils; NV endemic/perennial herb/June-July/6,890-10,825	--	--	--	BLM; USFS	N	Y
<i>Penstemon personatus</i>	closed-throated beardtongue	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest/perennial herb/June-Sep(Oct)/3,490-6,955	1B.2	--	--	USFS	Y	N
<i>Penstemon pudicus</i>	Bashful beardtongue	Pinyon-juniper woodlands, Subalpine sagebrush zones, Partial shade; Nye County, NV endemic/perennial herb/June-July/7,500-9,000	--	--	--	BLM; USFS	N	Y
<i>Penstemon rubicundus</i>	Wassuk beardtongue	Desert scrub, Sagebrush, Pinyon-juniper ecosystems, Rocky and gravelly soils on perched tufa shores. Steep decomposed granite slopes, Rocky slopes, drainage	--	--	--	BLM; USFS	N	Y

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		bottoms; NV endemic/perennial herb/May-Sept/4,600-7,600						
<i>Penstemon sudans</i>	Susanville beardtongue	Great Basin scrub, Lower montane coniferous forest (openings), Pinyon and juniper woodland; Roadsides (sometimes), Rocky, Volcanic/perennial herb/June-July(Aug-Sep)/3,935-7,955	4.3	--	--	BLM; USFS	Y	N
<i>Penstemon sudans</i>	Susanville beardtongue	Great Basin scrub, Lower montane coniferous forest (openings), Pinyon and juniper woodland; Roadsides (sometimes), Rocky, Volcanic/perennial herb/June-July(Aug-Sep)/3,935-7,955	4.3	--	--	BLM; USFS	Y	N
<i>Penstemon thompsoniae</i> ssp. <i>jaegeri</i>	Jaeger beardtongue	Under conifers or woody species from the pinyon-juniper to subalpine conifer zones; Gravelly limestone soils on knolls, slopes, small drainages; Clark County, NV endemic/perennial herb/May-Aug/4,900-11,155	--	--	--	BLM; USFS	N	Y
<i>Petrophytum caespitosum</i> ssp. <i>acuminatum</i>	marble rockmat	Lower montane coniferous forest, Upper montane coniferous forest; Carbonate (sometimes), Granitic (sometimes), Rocky/perennial evergreen shrub/Aug-Sep/3,330-7,545	1B.3	--	--	USFS	N	Y
<i>Phacelia cookei</i>	Cooke's phacelia	Great Basin scrub, Lower montane coniferous forest; Sandy, Volcanic/annual herb/June-July/3,590-5,575	1B.1	--	--	USFS	Y	N
<i>Phacelia greenei</i>	Scott Valley phacelia	Closed-cone coniferous forest, Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Serpentinite/annual herb/Apr-June/2,620-8,005	1B.2	--	--	BLM; USFS	Y	N
<i>Phacelia inconspicua</i>	Obscure phacelia	Lower to mid slopes on volcanic substrates, Small gaps, clearings within shrubby vegetation, Open sandy spots with sagebrush/grass zones near junipers; NV and ID endemic/annual herb/May-Aug/5,250-6,230 (ID), 6,500-8,000 (NV)	--	--	--	BLM, USFS	N	Y
<i>Phacelia inundata</i>	playa phacelia	Great Basin scrub, Lower montane coniferous forest, Playas; Alkaline/annual herb/May-Aug(Sep)/4,425-6,560	1B.3	--	--	BLM; USFS	Y	N
<i>Phacelia leonis</i>	Siskiyou phacelia	Meadows and seeps, Upper montane coniferous forest (openings); Serpentinite (often)/annual herb/June-Aug/3,935-6,560	1B.3	--	--	--	Y	N
<i>Phacelia minutissima</i>	Least phacelia	Vernally saturated, summer-drying, sparsely vegetated areas of bare soil and meadow mudbanks (partial shade to fully exposed), Sagebrush swales; Aquatic or wetland-dependent/annual herb/July/4,600-8,200	--	--	--	USFS	N	N
<i>Phacelia sericea</i> var. <i>ciliosa</i>	blue alpine phacelia	Great Basin scrub, Upper montane coniferous forest (rocky)/perennial herb/June-Aug/6,885-8,855	2B.3	--	--	--	Y	N
<i>Phacelia stebbinsii</i>	Stebbins' phacelia	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps/annual herb/May-July/2,000-6,590	1B.2	--	--	USFS	N	Y

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<i>Phlox hirsuta</i>	Yreka phlox	Lower montane coniferous forest, Upper montane coniferous forest; Serpentinite, Talus/perennial herb/Apr-June/2,690-4,920	1B.2	CE	FE	--	Y	N
<i>Phlox muscoides</i>	squarestem phlox	Alpine boulder and rock field, Great Basin scrub, Subalpine coniferous forest; Gravelly (sometimes), Rocky (sometimes)/perennial herb/(May)June-Aug/4,195-8,855	2B.3	--	--	--	Y	N
<i>Picea engelmannii</i>	Engelmann spruce	Upper montane coniferous forest/perennial evergreen tree//3,490-7,000	2B.2	--	--	--	Y	N
<i>Pinguicula macroceras</i>	horned butterwort	Bogs and fens (serpentinite)/perennial herb (carnivorous)/Apr-June/130-6,295	2B.2	--	--	--	Y	N
<i>Pinus albicaulis</i>	whitebark pine	Montane forests and on thin, rocky, cold soils/perennial evergreen tree//4,265-12,140	CBR	--	FT	BLM; USFS	Y	Y
<i>Piperia candida</i>	white-flowered rein orchid	Broadleafed upland forest, Lower montane coniferous forest, North Coast coniferous forest; Serpentinite (sometimes)/perennial herb/(Mar-Apr)May-Sep/100-4,295	1B.2	--	--	--	Y	N
<i>Plagiobothrys glomeratus</i>	Altered andesite popcorn flower	Sagebrush Scrub, Pinyon-Juniper Woodland/ Annual herb/>	--	--	--	USFS	N	Y
<i>Plagiobothrys salsus</i>	desert popcornflower	Playas (alkaline)/annual herb/May-Aug/2,295-2,295	2B.2	--	--	--	Y	Y
<i>Plagiobothrys torreyi</i> var. <i>torreyi</i>	Yosemite popcornflower	Lower montane coniferous forest, Meadows and seeps/annual herb/Apr-June/3,935-4,490	1B.2	--	--	--	N	Y
<i>Platanthera yosemitensis</i>	Yosemite bog orchid	Meadows and seeps; Granitic, Mesic/perennial herb/July-Aug/6,885-7,495	1B.2	--	--	USFS	N	Y
<i>Pleuropogon oregonus</i>	Oregon semaphore grass	Gravelly silt loam, clay soil, slow-moving water; obligate wetland species OR endemic/perennial herb/June-July/3,300-5,600	--	--	--	USFS	N	N
<i>Poa fendleriana</i> ssp. <i>longiligula</i>	Fendler blue grass	Slopes, Sagebrush scrub to subalpine/perennial herb/Apr-July/6,560-10,530	--	--	--	USFS	Y	N
<i>Poa lettermanii</i>	Letterman's blue grass	Alpine boulder and rock field (sandy, rocky)/perennial herb/July-Aug/11485-13995	2B.3	--	--		N	Y
<i>Poa sierrae</i>	Sierra blue grass	Lower montane coniferous forest; Openings/perennial rhizomatous herb/Apr-July/1,195-4,920	1B.3	--	--	BLM; USFS	Y	Y
<i>Pogogyne floribunda</i>	profuse-flowered pogogyne	Meadows and seeps, Vernal pools; Clay/annual herb/May-Sep(Oct)/3,100-5,725	4.2	--	--	USFS	Y	N

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<i>Pohlia tundrae</i>	tundra thread moss	Alpine boulder and rock field (gravelly, damp soil)/moss//8,855–9,840	2B.3	--	--	--	Y	Y
<i>Polemonium carneum</i>	Oregon polemonium	Coastal prairie, Coastal scrub, Lower montane coniferous forest/perennial herb/Apr–Sep/0–6,000	2B.2	--	--	--	Y	N
<i>Polemonium chartaceum</i>	Mason's sky pilot	Alpine boulder and rock field, Subalpine coniferous forest; Granitic, Rocky, Serpentinite, Volcanic (sometimes)/perennial herb/June–Aug/10,790–14,005	1B.3	--	--	USFS	N	Y
<i>Polemonium eddyense</i>	Mt. Eddy sky pilot	Alpine boulder and rock field; Rocky, Serpentinite (sometimes)/perennial herb/June–Aug/8,135–9,020	1B.2	--	--	--	Y	N
<i>Polemonium pulcherrimum var. shastense</i>	Mt. Shasta sky pilot	Alpine boulder and rock field, Subalpine coniferous forest, Upper montane coniferous forest; Volcanic (sometimes)/perennial herb/June–Sep/7,135–12,795	1B.2	--	--	--	Y	N
<i>Polycstenium williamsiae</i>	Williams' combleaf	Great Basin scrub, Marshes and swamps, Pinyon and juniper woodland, Playas, Vernal pools; Lake Margins, Sandy, Volcanic/perennial herb/Mar–July/4,415–8,855	1B.2	--	--	BLM; USFS	N	Y
<i>Polygala subspinosa</i>	spiny milkwort	Great Basin scrub, Pinyon and juniper woodland; Gravelly, Rocky/perennial herb/May–Aug/4,360–5,590	2B.2	--	--	--	Y	Y
<i>Polygonum polygaloides ssp. esotericum</i>	Modoc County knotweed	Great Basin scrub, Lower montane coniferous forest, Meadows and seeps, Vernal pools; Mesic/annual herb/May–Sep/2,900–5,540	1B.3	--	--	BLM	Y	N
<i>Polytrichastrum sexangulare var. vulcanicum</i>	Northern haircap moss	On igneous rocks in subalpine and alpine locations (exposed or sheltered); OR occurs above timberline at ~6,500/moss/N.A./high elevations	--	--	--	USFS	Y	N
<i>Potamogeton diversifolius</i>	Waterthread pondweed	Shallow water, ponds, lakes/perennial herb/Mar–Nov/0–8,200	--	--	--	USFS	Y	N
<i>Potamogeton epihydrus</i>	Nuttall's ribbon-leaved pondweed	Marshes and swamps (shallow freshwater)/perennial rhizomatous herb (aquatic)/(June)July–Sep/1,210–7,125	2B.2	--	--	--	Y	Y
<i>Potamogeton praelongus</i>	white-stemmed pondweed	Marshes and swamps (lakes, deep water)/perennial rhizomatous herb (aquatic)/July–Aug/5,905–9,840	2B.3	--	--	--	Y	Y
<i>Potamogeton robbinsii</i>	Robbins' pondweed	Marshes and swamps (lakes, deep water)/perennial rhizomatous herb (aquatic)/July–Aug/5,015–10,825	2B.3	--	--	--	Y	Y
<i>Potamogeton zosteriformis</i>	eel-grass pondweed	Marshes and swamps (freshwater)/annual herb (aquatic)/June–July/0–6,100	2B.2	--	--	--	Y	Y
<i>Potentilla basaltica</i>	Black Rock potentilla	Meadows and seeps (alkaline, sandy, volcanic)/perennial herb/May–June(July)/4,460–5,100	1B.3	--	--	BLM; USFS	Y	N
<i>Potentilla cristae</i>	crested potentilla	Alpine boulder and rock field, Subalpine coniferous forest; Gravelly (sometimes), Mesic (sometimes), Rocky (sometimes), Seeps (often), Serpentinite (often)/perennial herb/(July)Aug–Sep/5,905–9,185	1B.3	--	--	--	Y	N

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<i>Potentilla johnstonii</i>	Sagebrush cinquefoil	Pinyon-juniper forest, Rocky north-facing slopes; NV endemic/perennial herb/June-July/6,560-7,600	--	--	--	USFS	N	Y
<i>Potentilla newberryi</i>	Newberry's cinquefoil	Marshes and swamps (drying margins), Vernal pools/perennial herb/May-Aug/4,265-7,215	2B.3	--	--	--	Y	N
<i>Primula capillaris</i>	Ruby Mountain primrose	Turf mats in wetland margin areas (glacier till derived soils), alpine tundra, Subalpine meadow openings, North-facing, rock, steep slopes; NV endemic/perennial herb//8,858-10,500	--	--	--	USFS	N	Y
<i>Primula cusickiana var. nevadensis</i>	Nevada primrose	Cliffs, crevices, scree around limestone outcrops/perennial herb/June-Aug/10,170-11,810	--	--	--	USFS	N	Y
<i>Pseudobahia bahiifolia</i>	Hartweg's golden sunburst	Cismontane woodland, Valley and foothill grassland; Acidic (often), Clay/annual herb/Mar-Apr/50-490	1B.1	CE	FE	--	Y	Y
<i>Pseudobahia peirsonii</i>	San Joaquin adobe sunburst	Cismontane woodland, Valley and foothill grassland; Adobe, Clay/annual herb/Feb-Apr/295-2,620	1B.1	CE	FT	--	N	Y
<i>Pseudocalliergon trifarium</i>	Three-ranked moss	Highly calcareous fens, Emergent from shallow pools, very wet/moss/N.A./low to high elevations	--	--	--	USFS	Y	N
<i>Ptilidium californicum</i>	Pacific fuzzwort	Lower montane coniferous forest, Upper montane coniferous forest/liverwort/May-Aug/3,740-5,905	4.3	--	--	BLM	Y	N
<i>Puccinellia simplex</i>	California alkali grass	Chenopod scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools; Alkaline, Flats, Lake Margins, Vernal Mesic/annual herb/Mar-May/5-3,050	1B.2	--	--	--	N	Y
<i>Pyrocoma lucida</i>	sticky pyrocoma	Great Basin scrub, Lower montane coniferous forest, Meadows and seeps; Alkaline, Clay/perennial herb/July-Oct/2,295-6,395	1B.2	--	--	BLM; USFS	Y	N
<i>Pyrocoma racemosa var. paniculata</i>	Clustered goldenweed	Alkaline flats, saline meadows/perennial herb/July-Oct/490-8,200	--	--	--	--	Y	N
<i>Racomitrium depressum</i>	Racomitrium moss	On rocks in streams (perennial or intermittent), spray zones of waterfalls, Montane to subalpine habitats/moss/N.A./390-11,000	--	--	--	USFS	Y	N
<i>Raillardella pringlei</i>	showy raillardella	Bogs and fens, Meadows and seeps, Upper montane coniferous forest; Mesic, Serpentinite/perennial rhizomatous herb/July-Sep/3,935-7,510	1B.2	--	--	USFS	Y	N
<i>Ranunculus macounii</i>	Macoun's buttercup	Great Basin scrub, Meadows and seeps, Pinyon and juniper woodland; Mesic/perennial herb/June-July/4,590-5,905	2B.2	--	--	--	Y	N
<i>Rhamnus alnifolia</i>	alder buckthorn	Lower montane coniferous forest, Meadows and seeps, Riparian scrub, Upper montane coniferous forest/perennial deciduous shrub/May-July/4,490-6,985	2B.2	--	--	--	Y	Y

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<i>Rhynchospora alba</i>	white beaked-rush	Bogs and fens, Marshes and swamps (freshwater), Meadows and seeps/perennial rhizomatous herb/June-Aug/195-6,690	2B.2	--	--	--	Y	Y
<i>Rhynchospora californica</i>	California beaked-rush	Bogs and fens, Lower montane coniferous forest, Marshes and swamps (freshwater), Meadows and seeps (seeps)/perennial rhizomatous herb/May-July/150-3315	1B.1	--	--	--	Y	N
<i>Rhynchospora capitellata</i>	brownish beaked-rush	Lower montane coniferous forest, Marshes and swamps, Meadows and seeps, Upper montane coniferous forest; Mesic/perennial herb/July-Aug/150-6,560	2B.2	--	--	--	Y	Y
<i>Ribes hudsonianum</i> var. <i>petiolare</i>	western black currant	Riparian scrub/perennial deciduous shrub/May-July/4,920-7,315	2B.3	--	--	--	Y	N
<i>Ribes laxiflorum</i>	trailing black currant	North Coast coniferous forest; Roadsides (sometimes)/perennial deciduous shrub/Mar-July(Aug)/15-4,575	4.3	--	--	USFS	N	N
<i>Ribes menziesii</i> var. <i>ixoderme</i>	aromatic canyon gooseberry	Chaparral, Cismontane woodland/perennial deciduous shrub/Apr/2,000-3,805	1B.2	--	--	--	N	Y
<i>Riella americana</i>	American riella	Lower montane coniferous forest, Pinyon and juniper woodland/liverwort (aquatic)/Aug-Sep/5,295-5,295	2B.2	--	--	--	Y	N
<i>Rivulariella gemmipara</i>	Alpine waterwort	Rocks in cold montane streams, splash zones (emergent or submerged, full shade to partial sun)/liverwort/N.A./above 5,100	--	--	--	USFS	Y	N
<i>Rorippa columbiae</i>	Columbia yellow cress	Lower montane coniferous forest, Meadows and seeps, Playas, Vernal pools; Mesic/perennial rhizomatous herb/May-Sep/3,935-5,905	1B.2	--	--	USFS	Y	N
<i>Rorippa subumbellata</i>	Tahoe yellow cress	Lower montane coniferous forest, Meadows and seeps; Decomposed granitic/perennial rhizomatous herb/May-Sep/6,200-6,250	1B.1	CE	--	USFS	N	Y
<i>Rosa gymnocarpa</i> var. <i>serpentina</i>	Gasquet rose	Chaparral, Cismontane woodland; Openings, Roadsides (often), Serpentinite, Streambanks/perennial rhizomatous shrub/Apr-June(Aug)/1,310-5,655	1B.3	--	--	--	Y	N
<i>Rotala ramosior</i>	Toothcup	Lake and pond margins, streams/annual herb/Jun-Aug/0-6,230	--	--	--	USFS	Y	N
<i>Rumex venosus</i>	winged dock	Great Basin scrub (sandy)/perennial herb/May-June/3,935-5,905	2B.3	--	--	--	Y	N
<i>Rupertia hallii</i>	Hall's rupertia	Cismontane woodland, Lower montane coniferous forest; Openings (sometimes), Roadsides (often)/perennial herb/June-Aug(Sep)/1,785-7,380	1B.2	--	--	BLM; USFS	Y	N
<i>Sabulina howellii</i>	Howell's sandwort	Chaparral, Lower montane coniferous forest; Serpentinite/perennial herb/Apr-July/1,800-3,280	1B.3	--	--	--	Y	N

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<i>Sabulina rosei</i>	Peanut sandwort	Lower montane coniferous forest (serpentinite)/perennial herb/May-July/2,460-5,000	4.2	--	--	USFS	Y	N
<i>Sabulina stolonifera</i>	Scott Mountain sandwort	Lower montane coniferous forest (serpentinite)/perennial stoloniferous herb/May-Aug/4,100-4,590	1B.3	--	--	USFS	Y	N
<i>Sabulina stricta</i>	bog sandwort	Alpine boulder and rock field, Alpine dwarf scrub, Meadows and seeps/perennial herb/July-Sep/8,005-12,990	2B.3	--	--	--	N	Y
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	Marshes and swamps (shallow freshwater)/perennial rhizomatous herb (emergent)/May-Oct(Nov)/0-2,130	1B.2	--	--	BLM	Y	N
<i>Salix bebbiana</i>	Bebb's willow	Marshes and swamps (lake margins, streambanks), Riparian scrub/perennial deciduous tree/May/3,935-7,315	2B.3	--	--	--	Y	N
<i>Salix brachycarpa</i> var. <i>brachycarpa</i>	short-fruited willow	Alpine dwarf scrub, Meadows and seeps, Subalpine coniferous forest; Carbonate/perennial deciduous shrub/June-July/9,840-11,480	2B.3	--	--	--	N	Y
<i>Sanicula tracyi</i>	Tracy's sanicle	Cismontane woodland, Lower montane coniferous forest, Upper montane coniferous forest; Openings/perennial herb/Apr-July/330-5,200	4.2	--	--	USFS	Y	N
<i>Saussurea americana</i>	American saw-wort	Lower montane coniferous forest, Meadows and seeps; Mesic/perennial herb/July-Aug/5,695-6,400	2B.2	--	--		Y	N
<i>Saxifraga cespitosa</i>	tufted saxifrage	Meadows and seeps (mesic, rocky)/perennial herb/June-Sep/3,000-6,495	2B.3	--	--	--	Y	N
<i>Scheuchzeria palustris</i>	American scheuchzeria	Bogs and fens, Marshes and swamps (lake margins)/perennial rhizomatous herb (emergent)/July-Aug/4,490-6,560	2B.1	--	--	USFS	Y	N
<i>Schistidium cinclidodonteum</i>	Schistidium moss	Rocks (wet or dry), or soil in crevices of boulder along intermittent streams (often)/moss/N.A./5,000-10,500	--	--	--	USFS	Y	N
<i>Schoenoplectus heterochaetus</i>	slender bulrush	Lower montane coniferous forest, Marshes and swamps (lake margins)/perennial rhizomatous herb/Aug/5,245-5,245	2B.1	--	--	--	Y	N
<i>Schoenoplectus subterminalis</i>	water bulrush	Bogs and fens, Marshes and swamps (montane lake margins)/perennial rhizomatous herb (aquatic)/June-Aug(Sep)/2,460-7,380	2B.3	--	--	--	Y	Y
<i>Scirpus pendulus</i>	pendulous bulrush	Marshes and swamps (freshwater), Meadows and seeps (mesic)/perennial rhizomatous herb/June-Aug/2,620-3,280	2B.2	--	--	--	Y	N
<i>Scopelophila cataractae</i>	tongue-leaf copper moss	Cismontane woodland (metamorphic, soil)/moss/N.A./1310-1310	2B.2	--	--	--	N	Y
<i>Scutellaria galericulata</i>	marsh skullcap	Lower montane coniferous forest, Marshes and swamps, Meadows and seeps (mesic)/perennial rhizomatous herb/June-Sep/0-6,885	2B.2	--	--	--	Y	Y

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<i>Scytinium siskiyouense</i>	Siskiyou jellyskin lichen	Lower montane coniferous forest, North Coast coniferous forest/foliose lichen//2,080-4,790	1B.1	--	--	--	Y	Y
<i>Sedum albomarginatum</i>	Feather River stonecrop	Chaparral, Lower montane coniferous forest; Serpentine/perennial herb/May-June/855-6,395	1B.2	--	--	USFS	Y	N
<i>Sedum divergens</i>	Cascade stonecrop	Alpine boulder and rock field/perennial herb/July-Sep/5,245-7,640	2B.3	--	--	--	Y	N
<i>Sedum marmorense</i>	Marble Mountains stonecrop	Subalpine coniferous forest, Upper montane coniferous forest; Openings, Rock crevices, Rocky, Talus/perennial herb/July-Aug/6,150-7,695	1B.2	--	--	--	Y	N
<i>Sedum oblancoelatum</i>	Applegate stonecrop	Upper montane coniferous forest (rocky)/perennial herb/June-July/1310-6560	1B.1	--	--	--	Y	N
<i>Sedum paradisum ssp. paradisum</i>	Canyon Creek stonecrop	Broadleafed upland forest, Chaparral, Lower montane coniferous forest, Subalpine coniferous forest; Granitic, Rocky/perennial herb/May-June/985-6,230	1B.3	--	--	BLM; USFS	Y	N
<i>Selaginella scopulorum</i>	Rocky Mountain spike-moss	Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Metamorphic, Rocky, Volcanic/perennial rhizomatous herb/July-Aug/4,690-7,495	2B.3	--	--	--	Y	N
<i>Senecio clevelandii var. heterophyllus</i>	Red Hills ragwort	Cismontane woodland (seeps, serpentine)/perennial herb/May-July/855-1265	1B.2	--	--	--	N	Y
<i>Senecio layneae</i>	Layne's ragwort	Openings, disturbed areas, serpentine soils/perennial herb/April-Aug/655-3,560	1B.2	--	FT	--	Y	Y
<i>Senecio pattersonensis</i>	Mt. Patterson senecio	Alpine boulder and rock field/perennial rhizomatous herb/July-Aug(Sep)/9,510-12,200	1B.3	--	--	USFS	N	Y
<i>Sesuvium verrucosum</i>	Western sea purslane	Moist or seasonally dry flats, margins of generally saline wetlands/perennial herb/April-Sept/0-4,500	--	--	--	USFS	Y	N
<i>Shepherdia canadensis</i>	Canadian buffalo-berry	Upper montane coniferous forest; Rocky, Serpentine, Streambanks/perennial shrub/Apr-July/5,675-5,675	2B.1	--	--	--	Y	N
<i>Sidalcea keckii</i>	Keck's checkerbloom	Cismontane woodland, Valley and foothill grassland; Clay, Serpentine/annual herb/Apr-May(June)/245-2,130	1B.1	--	FE	--	N	Y
<i>Sidalcea multifida</i>	cut-leaf checkerbloom	Great Basin scrub, Lower montane coniferous forest, Meadows and seeps, Pinyon and juniper woodland/perennial herb/May-Sep/5,740-9,185	2B.3	--	--	--	N	Y
<i>Sidalcea oregana ssp. eximia</i>	coast checkerbloom	Lower montane coniferous forest, Meadows and seeps, North Coast coniferous forest/perennial herb/June-Aug/15-4,395	1B.2	--	--	--	Y	N
<i>Sidalcea robusta</i>	Butte County checkerbloom	Chaparral, Cismontane woodland/perennial rhizomatous herb/Apr-June/295-5,245	1B.2	--	--	BLM	Y	N

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<i>Sidalcea stipularis</i>	Scadden Flat checkerbloom	Marshes and swamps (montane freshwater)/perennial rhizomatous herb/July-Aug/2,295-2,395	1B.1	CE	--	--	N	Y
<i>Sidotheca caryophylloides</i>	chickweed oxytheca	Lower montane coniferous forest (sandy)/annual herb/July-Sep(Oct)/3,650-8,530	4.3	--	--	USFS	N	N
<i>Silene clokeyi</i>	Clokey catchfly	Rocky, talus areas (limestone), Alpine areas at treeline with bristlecone pines; Spring Mtns, NV endemic/annual herb/Jun-Aug/11,055-11,485	--	--	--	USFS	N	Y
<i>Silene hookeri</i>	Hooker's catchfly	Chaparral, Cismontane woodland, Lower montane coniferous forest; Openings (often), Rocky (sometimes), Serpentinite (sometimes), Slopes (sometimes)/perennial herb/(Mar)May-July/490-4,130	2B.2	--	--	--	Y	N
<i>Silene nachlingerae</i>	Jan's catchfly	Carbonate crevices (dry, exposed or somewhat sheltered) in ridgeline outcrops, talus, Rocky soils on or at base of steep slopes or cliffs, Subalpine conifer zone/perennial herb/June-Aug/8,200-9,845	--	--	--	USFS	N	Y
<i>Silene occidentalis</i> ssp. <i>longistipitata</i>	long-stiped campion	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest/perennial herb/June-Aug/3,280-6,560	1B.2	--	--	USFS	Y	N
<i>Silene oregana</i>	Oregon campion	Great Basin scrub, Subalpine coniferous forest/perennial herb/July-Sep/4,920-8,200	2B.2	--	--	--	Y	Y
<i>Silene salmonacea</i>	Klamath Mountain catchfly	Lower montane coniferous forest; Openings, Serpentinite (usually)/perennial herb/(Apr)May-July/2,540-4,410	1B.2	--	--	USFS	Y	N
<i>Silene spaldingii</i>	Spalding's catchfly	Dry to moist grasslands, sagebrush-steppe, open-canopy pine stands (occasionally)/perennial herb/July-Aug (Oct)/1,900-3,600	--	--	FT	--	Y	N
<i>Silene suksdorfii</i>	Cascade alpine campion	Alpine boulder and rock field, Subalpine coniferous forest, Upper montane coniferous forest; Rocky, Volcanic/perennial herb/July-Sep/7,725-10,200	2B.3	--	--	--	Y	N
<i>Smelowskia ovalis</i>	alpine smelowskia	Alpine boulder and rock field/perennial herb/July-Aug/8,005-10,170	1B.2	--	--	--	Y	N
<i>Smithiastrum wilkinsianum</i>	Wilkin's harebell	Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest/perennial rhizomatous herb/July-Sep/4165-8530	1B.2	--	--	--	Y	N
<i>Sphaeralcea caespitosa</i> var. <i>williamsiae</i>	Railroad Valley globemallow	Dry, open carbonate soils (flat to gently sloped) on alluvium and valley fill, Recovering disturbances (washes, roadsides), In greasewood, shadscale, and mixed shrub zones; NV endemic/perennial herb/Mar-Aug/4,590-5,250	--	--	--	USFS	N	Y
<i>Sphaeromeria compacta</i>	Charleston tansy	Rocky leges and slopes; Spring Mtns, NV endemic/perennial herb/July-Sept./8-850-11,480	--	--	--	USFS	N	Y

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<i>Splachnum sphaericum</i>	Dung moss	On dung of large herbivores, on muskeg or bog habitats/moss/N.A./low to high elevations	--	--	--	USFS	Y	N
<i>Sphaeralcea grossulariifolia</i>	currant-leaved desert mallow	Chenopod scrub, Great Basin scrub; Volcanic/perennial herb/May-Oct/3,935-6,885	2B.3	--	--	--	Y	Y
<i>Sphaeralcea munroana</i>	Munro's desert mallow	Great Basin scrub/perennial herb/May-June/6,560-6,560	2B.2	--	--	--	N	Y
<i>Sphenopholis obtusata</i>	prairie wedge grass	Cismontane woodland, Meadows and seeps; Mesic/perennial herb/Apr-July/985-6,560	2B.2	--	--	--	N	Y
<i>Stachys pilosa</i>	hairy marsh hedge-nettle	Great Basin scrub (mesic), Meadows and seeps/perennial rhizomatous herb/June-Aug/3,935-5,805	2B.3	--	--	--	Y	N
<i>Stanleya viridiflora</i>	green-flowered prince's plume	Great Basin scrub (white ash deposits)/perennial herb/May-Aug/4265-5250	2B.3	--	--	--	Y	N
<i>Stellaria longifolia</i>	long-leaved starwort	Bogs and fens, Meadows and seeps (mesic), Riparian woodland, Upper montane coniferous forest/perennial rhizomatous herb/May-Aug/2,950-6,000	2B.2	--	--	--	Y	N
<i>Stenotus lanuginosus var. lanuginosus</i>	woolly stenotus	Great Basin scrub, Meadows and seeps, Pinyon and juniper woodland; Gravelly, Loam/perennial herb/May-July/4,920-6,330	2B.2	--	--	BLM	Y	N
<i>Stephanomeria malheurensis</i>	Malheur wire-lettuce	Hilltop composed of volcanic tuff, dominated by big sagebrush and rabbit-brush; Harney County, OR endemic/annual herb/July-Sept/4,920	--	--	FE	--	Y	N
<i>Stipa exigua</i>	little ricegrass	Great Basin scrub/perennial herb/June-Aug/7,690-7,935	2B.3	--	--	BLM	Y	N
<i>Streptanthus fenestratus</i>	Tehipite Valley jewelflower	Lower montane coniferous forest, Upper montane coniferous forest/annual herb/(Apr)May-July/3,490-5,740	1B.1	--	--	USFS	N	Y
<i>Streptanthus gracilis</i>	alpine jewelflower	Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Rocky/annual herb/July-Aug/9,185-11,480	1B.3	--	--	USFS	N	Y
<i>Streptanthus oliganthus</i>	Masonic Mountain jewelflower	Pinyon and juniper woodland (granitic, rocky, volcanic)/perennial herb/June-July/6,495-10,005	1B.2	--	--	BLM; USFS	N	Y
<i>Stuckenia filiformis ssp. alpina</i>	northern slender pondweed	Marshes and swamps (shallow freshwater)/perennial rhizomatous herb (aquatic)/May-July/985-7,050	2B.2	--	--	--	Y	Y
<i>Suaeda occidentalis</i>	western seablite	Great Basin scrub (alkaline, mesic)/annual herb/July-Sep/3,935-4,920	2B.3	--	--	--	Y	Y
<i>Sulcaria badia</i>	grooved beard lichen	Cismontane woodland, Lower montane coniferous forest/fruticose lichen (epiphytic)//1,360-4,950	4.2	--	--	USFS	Y	N

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<i>Symphotrichum lentum</i>	Suisun Marsh aster	Marshes and swamps (brackish, freshwater)/perennial rhizomatous herb/(Apr)May–Nov/0–10	1B.2	--	--		N	Y
<i>Synthyris missurica</i> ssp. <i>missurica</i>	kitten-tails	Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest/perennial rhizomatous herb/(May)June–July(Aug)/6,560–8,395	2B.3	--	--	--	Y	N
<i>Synthyris ranunculina</i>	Charleston Kittentails	Permanently moist, subalpine to alpine areas, often near snow banks, at seeps and springs; Spring Mtns, NV endemic/perennial herb/May–July/8,595–11,780	--	--	--	USFS	Y	N
<i>Tauschia howellii</i>	Howell's tauschia	Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Gravelly/perennial herb/June–Aug/5,590–8,200	1B.3	--	--	USFS	N	Y
<i>Texosporium sancti-jacobi</i>	Woven-spored lichen	Chaparral openings, on soil, dead twigs, small mammal pellets, and on <i>Selaginella</i> spp./lichen/N.A./195–2,165	3	--	--	USFS	N	N
<i>Thelypodium howellii</i> ssp. <i>howellii</i>	Howell's thelypodium	Great Basin scrub, Meadows and seeps (alkaline)/perennial herb/May–July/3,935–6,000	1B.2	--	--	BLM; USFS	Y	N
<i>Thelypodium howellii</i> ssp. <i>spectabilis</i>	Howell's spectacular thelypody	Desert shrub, alkaline ground, colonizing areas adjacent to streams that have been flooded, Meadow habitats; OR endemic/perennial (biennial) herb/June–July/3,000, 3,500	--	--	FT	--	Y	N
<i>Thelypodium milleflorum</i>	many-flowered thelypodium	Chenopod scrub, Great Basin scrub (sandy)/perennial herb/Apr–June/4,000–8,200	2B.2	--	--	--	Y	Y
<i>Tonestus alpinus</i>	Alpine serpentweed	Mountain mahogany, subalpine conifer and lower alpine zones, Open, windswept rocky places, at or above treeline, Crevices, rubble, adjacent rocky soils of rock outcrops; NV endemic/perennial herb/July–Nov/8,850–10,900	--	--	--	USFS	N	Y
<i>Townsendia jonesii</i> var. <i>tumulosa</i>	Charleston daisy	Montane conifer zones, lower subalpine conifer, upper shadscale, mixed shrub and lower sagebrush zones; NV endemic/perennial herb/April–June/	--	--	--	BLM; USFS	N	Y
<i>Trematodon asanoi</i>	Asano's trematodon moss	Along edges of trails, streams, ponds, Subalpine zone; Moist bare soil (organic content)/moss/N.A./moderate elevations	--	--	--	USFS	N	Y
<i>Trichodon cylindricus</i>	cylindrical trichodon	Broadleafed upland forest, Meadows and seeps, Upper montane coniferous forest; Roadsides, Sandy/moss//165–6,565	2B.2	--	--	--	Y	N
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis	Marshes and swamps, Meadows and seeps, Riparian forest, Vernal pools; Alkaline/annual herb/May–Sep/15–1,425	2B.1	--	--		N	Y
<i>Trichophorum pumilum</i>	little bulrush	Bogs and fens, Marshes and swamps, Riparian scrub; Carbonate, Streambanks/perennial rhizomatous herb/Aug/9,380–10,660	2B.2	--	--	--	N	Y

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<i>Trifolium andinum</i> var. <i>podocephalum</i>	Currant Summit clover	Crevice of rock (volcanic or carbonate), Pinyon-juniper zone; NV endemic/perennial herb/May-July/6,900-7,400	--	--	--	BLM; USFS	N	Y
<i>Trifolium bolanderi</i>	Bolander's clover	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Mesic/perennial herb/June-Aug/6,685-8,530	1B.2	--	--	USFS	N	Y
<i>Trifolium gymnocarpon</i> ssp. <i>plummerae</i>	Plummer's clover	Great Basin scrub, Pinyon and juniper woodland/perennial herb/May-June/4,920-6,295	2B.3	--	--	--	Y	N
<i>Trifolium hydrophilum</i>	saline clover	Marshes and swamps, Valley and foothill grassland (mesic, alkaline), Vernal pools/annual herb/Apr-June/0-985	1B.2	--	--	--	N	Y
<i>Trifolium jokerstii</i>	Butte County golden clover	Valley and foothill grassland (mesic), Vernal pools/annual herb/Mar-May/165-1575	1B.2	--	--	--	Y	N
<i>Trifolium leibergii</i>	Leiberg's clover	Relatively barren gravel soils (crumbly volcanic outcrops), mostly on flat to steep tops and upper slopes/perennial herb/May-July/3,280-5,000	--	--	--	USFS	N	Y
<i>Trifolium macilentum</i> var. <i>rollinsii</i> [<i>Trifolium rollinsii</i>]	Rollin's clover	Talus, gravel, snow depressions on steep slopes, Mountain sagebrush, subalpine conifer, lower alpine zones/perennial herb/Jun-Aug/8,800-10,570	--	--	--	USFS	N	Y
<i>Trifolium piorkowskii</i>	maverick clover	Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland (mesic), Vernal pools; Clay, Openings, Streambanks (often), Volcanic/annual herb/Apr-May/525-2,230	1B.2	--	--	--	Y	N
<i>Trifolium siskiyouense</i>	Siskiyou clover	Meadows and seeps (mesic); Streambanks (sometimes)/perennial herb/June-July/2,885-4,920	1B.1	--	--	--	Y	N
<i>Triglochin palustris</i>	marsh arrow-grass	Marshes and swamps (freshwater), Meadows and seeps, Subalpine coniferous forest; Mesic/perennial rhizomatous herb/July-Aug/7,495-12,135	2B.3	--	--	--	N	Y
<i>Triteleia grandiflora</i>	large-flowered triteleia	Great Basin scrub, Pinyon and juniper woodland/perennial bulbiferous herb/Apr-June/2,295-4,920	2B.1	--	--	--	Y	N
<i>Triteleia hendersonii</i>	Henderson's triteleia	Cismontane woodland/perennial bulbiferous herb/May-July/2,490-3,935	2B.2	--	--	--	Y	N
<i>Tritomaria exsecta</i>	Cut notchwort	Damp, mossy rocks, rotting logs, Spruce-fir forests/liverwort/N.A./0-6,560	--	--	--	USFS	Y	N
<i>Tropidocarpum caparideum</i>	caper-fruited tropidocarpum	Valley and foothill grassland (alkaline hills)/annual herb/Mar-Apr/5-1495	1B.1	--	--	--	N	Y
<i>Tuctoria greenei</i>	Greene's tuctoria	Vernal pools/annual herb/May-July(Sep)/100-3,510	1B.1	CR	FE	--	Y	Y
<i>Utricularia intermedia</i>	flat-leaved bladderwort	Bogs and fens, Marshes and swamps (lake margins), Meadows and seeps (mesic), Vernal pools/perennial	2B.2	--	--	--	Y	Y

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		stoloniferous herb (carnivorous) (aquatic)/July-Aug/3,935-8,855						
<i>Vaccinium scoparium</i>	little-leaved huckleberry	Subalpine coniferous forest (rocky)/perennial deciduous shrub/June-Aug/3,395-7,215	2B.2	--	--	--	Y	N
<i>Vaccinium shastense ssp. shastense</i>	Shasta huckleberry	Chaparral, Cismontane woodland, Lower montane coniferous forest, Riparian forest, Subalpine coniferous forest; Acidic, Disturbed areas, Mesic, Roadsides, Rocky, Seeps (sometimes), Streambanks (often)/perennial deciduous shrub/(June-Sep)Dec-May/1,065-4,000	1B.3	--	--	BLM	Y	N
<i>Valeriana occidentalis</i>	western valerian	Lower montane coniferous forest (mesic)/perennial rhizomatous herb/June-Aug/4,920-5,905	2B.3	--	--	--	Y	N
<i>Verbena californica</i>	Red Hills vervain	Cismontane woodland, Valley and foothill grassland; Mesic, Seeps (usually), Serpentine (usually)/perennial herb/May-Sep/855-1,310	1B.1	CT	FT	--	N	Y
<i>Viburnum ellipticum</i>	oval-leaved viburnum	Chaparral, Cismontane woodland, Lower montane coniferous forest/perennial deciduous shrub/May-June/705-4,590	2B.3	--	--	--	Y	Y
<i>Viola howellii</i>	Howell's violet	North Coast coniferous forest/perennial herb/May-June/2150-2150	2B.2	--	--	--	Y	N
<i>Viola lithion</i>	Rock violet	Seasonally wet crevices in steep carbonate or quartzite outcrops, Subalpine conifer zones/perennial herb/June-Aug/7,200-10,170	--	--	--	BLM; USFS	N	Y
<i>Viola pinetorum ssp. grisea</i>	grey-leaved violet	Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest/perennial herb/Apr-July/4,920-11,150	1B.2	--	--	BLM	N	Y
<i>Viola purpurea ssp. aurea</i>	golden violet	Great Basin scrub, Pinyon and juniper woodland; Sandy/perennial herb/Apr-June/3,280-8,200	2B.2	--	--	--	Y	Y
<i>Wolffia brasiliensis</i>	Brazilian watermeal	Marshes and swamps (shallow freshwater)/perennial herb (aquatic)/Apr-Dec/65-330	2B.3	--	--	--	Y	Y
<i>Wyethia reticulata</i>	El Dorado County mule ears	Chaparral, Cismontane woodland, Lower montane coniferous forest; Clay (sometimes), Gabbroic (sometimes)/perennial herb/Apr-Aug/605-2,065	1B.2	--	--	--	N	Y

Status Legend:

Y: Yes; habitat is present in the feedstock area.

N: No; habitat is absent in the feedstock area.

FE: Federally listed as endangered

FT: Federally listed as threatened

FC: Federal Candidate for listing

DL: Delisted

SE: State listed as endangered

ST: State listed as threatened

SC: State Candidate for listing

SR: State Rare

BLM: Bureau of Land Management Sensitive Species

USFS: U.S. Forest Service Sensitive Species

CRPR 1A: Plants presumed extirpated in California and either rare or extinct elsewhere

CRPR 1B: Plants rare, threatened, or endangered in California and elsewhere

CRPR 2A: Plants presumed extirpated in California but common elsewhere

CRPR 2B: Plants rare, threatened, or endangered in California but more common elsewhere

CRPR 3: Review List: Plants about which more information is needed

CRPR 4: Watch List: Plants of limited distribution

.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)

.2 Moderately threatened in California (20–80% occurrences threatened / moderate degree and immediacy of threat)

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

CBR: Considered but Rejected

Table 3. Special-Status Wildlife Species Habitat in the Region of the Working Area

Scientific Name	Common Name	Habitat	Status		Working Area	
			Federal	State	Northern California/ Oregon Area	Central California/ Sierra/Eastern Nevada
Amphibians						
<i>Ambystoma californiense pop. 1</i>	California tiger salamander - central California DPS	Annual grassland, valley-foothill hardwood, and valley-foothill riparian habitats; vernal pools, other ephemeral pools, and (uncommonly) along stream courses and man-made pools if predatory fishes are absent	FT	ST, WL	N	Y
<i>Ambystoma macrodactylum sigillatum</i>	southern long-toed salamander	High elevation along the northern Sierra Nevada south to Garner Meadows in alpine meadows and high mountain ponds and lakes.	--	SSC	Y	Y
<i>Anaxyrus canorus</i>	Yosemite toad	Montane wet meadows; seasonal ponds within lodgepole pine and subalpine conifer forests	FT, USFS	SSC	N	Y
<i>Anaxyrus exsul</i>	black toad	Adjacent to springs, watercourses, marshes, and wet meadows	BLM, USFS	FP, ST	N	N
<i>Ascaphus truei</i>	Pacific tailed frog	Low-temperature permanent streams in conifer forests	--	SSC	Y	N
<i>Batrachoseps regius</i>	Kings River slender salamander	Swales and drainages in shaded areas of mixed chaparral, oak, and pines	USFS	SAL	N	Y
<i>Hydromantes brunus</i>	limestone salamander	Mixed chaparral, limestone caverns, talus formations, large rock fissures, and mine tunnels	BLM, USFS	FP, ST	N	Y
<i>Hydromantes platycephalus</i>	Mount Lyell salamander	Massive rock areas in conifer and subalpine habitats with a water source	--	WL	N	Y
<i>Hydromantes shastae</i>	Shasta salamander	Limestone cliff faces in mixed-conifer and oak forests	BLM, USFS	ST	Y	N
<i>Lithobates pipiens (native populations only)</i>	northern leopard frog	Adjacent to permanent and semi-permanent water in a range of habitats	--	SSC	N	Y
<i>Plethodon asupak</i>	Scott Bar salamander	Rocky, forested areas with thick, moss-covered talus	--	ST	Y	N
<i>Plethodon elongatus</i>	Del Norte salamander	Moist talus in closed-canopy coastal forests	--	WL	Y	N
<i>Plethodon stormi</i>	Siskiyou Mountain salamander	Rocky talus on heavily wooded north-facing slopes in mixed-conifer habitat	USFS	ST	Y	N

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<i>Rana boylei</i> pop. 1	foothill yellow-legged frog - north coast DPS	Montane wet meadows; seasonal ponds within lodgepole pine and subalpine conifer forests	--	SSC	Y	N
<i>Rana boylei</i> pop. 2	foothill yellow-legged frog - Feather River DPS	Rocky streams and rivers with open banks in forest, chaparral, and woodland	FPT	ST	Y	N
<i>Rana boylei</i> pop. 3	foothill yellow-legged frog - north Sierra DPS	Rocky streams and rivers with open banks in forest, chaparral, and woodland	BLM, USFS	ST	N	Y
<i>Rana boylei</i> pop. 5	foothill yellow-legged frog - south Sierra DPS	Rocky streams and rivers with open banks in forest, chaparral, and woodland	FPE, BLM, USFS	SE	N	Y
<i>Rana cascadae</i>	Cascades frog	Water and riparian and marshy vegetation in mountain lakes, streams, and ponds	USFS	SSC, SCE	Y	N
<i>Rana draytonii</i>	California red-legged frog	Lowland streams, wetlands, riparian woodlands, livestock ponds; dense, shrubby or emergent vegetation associated with deep, still or slow-moving water; uses adjacent uplands	FT	SSC	Y	Y
<i>Rana luteiventris</i>	Columbia spotted frog	Clear, slow-moving or ponded surface waters, Little shade, Constant temperatures	USFS	--	Y	N
<i>Rana muscosa</i>	mountain yellow-legged frog	Lakes, ponds, meadow streams, isolated pools, and open riverbanks; rocky canyons in narrow canyons and in chaparral	FE, USFS	SE, WL	N	Y
<i>Rana pretiosa</i>	Oregon spotted frog	Low swampy habitats in mountainous woodlands and wet meadows	FT, BCC, BLM	SSC	Y	N
<i>Rana sierrae</i>	Sierra Nevada yellow-legged frog	Lakes, ponds, meadow streams, isolated pools, and open riverbanks	FE, USFS	ST, WL	Y	Y
<i>Rhyacotriton variegatus</i>	Southern torrent salamander	Clear, shallow, well-shaded streams, waterfalls, and seepages in mature to old-growth forests	USFS	SSC	Y	N
<i>Spea hammondi</i>	western spadefoot	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley-foothill woodlands, pastures, and other agriculture	BLM	SSC	N	N
Birds						
<i>Accipiter atricapillus</i>	American goshawk	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	--	SSC	Y	Y
<i>Accipiter cooperii</i> (nesting)	Cooper's hawk	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water	--	WL	Y	Y

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<i>Accipiter striatus</i> (nesting)	sharp-shinned hawk	Nests in coniferous forests, ponderosa pine, black oak, riparian deciduous, mixed conifer, Jeffrey pine; winters in lowland woodlands and other habitats	--	WL	N	Y
<i>Agelaius tricolor</i> (nesting colony)	tricolored blackbird	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	BCC,BLM	SSC, ST	Y	N
<i>Ammodramus savannarum</i>	grasshopper sparrow	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	--	SSC	N	Y
<i>Antigone canadensis tabida</i> (nesting & wintering)	greater sandhill crane	Winter foraging in cropland, grazed and mowed grassland, pasture, alfalfa fields, and shallow wetlands; roosting sites are flooded and support several inches of water; breeds only in Siskiyou, Modoc and Lassen counties and in Sierra Valley, Plumas and Sierra counties	BLM, USFS	FP, ST	Y	Y
<i>Aquila chrysaetos</i> (nesting & wintering)	golden eagle	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats	BLM	FP, WL	Y	Y
<i>Asio flammeus</i> (nesting)	short-eared owl	Grassland, prairies, dunes, meadows, irrigated lands, and saline and freshwater emergent wetlands	BCC	SSC	Y	Y
<i>Asio otus</i> (nesting)	long-eared owl	Nests in riparian habitat, live oak thickets, other dense stands of trees, edges of coniferous forest; forages in nearby open habitats	BCC	SSC	N	Y
<i>Athene cunicular</i>	burrowing owl	Open habitats (grassland, desert) with sparse vegetation, Grass, forb, and open shrub stages of pinyon-juniper, ponderosa pine)	--	SSC	Y	Y
<i>Bartramia longicauda</i>	Upland sandpiper	Grassy prairies, open meadows, fields; Native grassland with mixture of tall grass and broad-leaved weeds	USFS	--	Y	N
<i>Brachyramphus marmoratus</i> (nesting)	marbled murrelet	Nests in old-growth coastal forests, forages in subtidal and pelagic habitats	FT	SE	N	N
<i>Branta hutchinsii leucopareia</i>	cackling (=Aleutian Canada) goose	Winters in lacustrine, fresh emergent wetlands, and moist grasslands, croplands, pastures, and meadows	FPD	WL	Y	Y
<i>Bucephala albeola</i>	Bufflehead	Coastal estuarine waters (salt ponds, lagoons, bays) and lacustrine habitats (lakes, ponds). Nests in tree cavities near water, usually. Small pop. breeds in CA.	USFS	--	Y	Y
<i>Buteo regalis</i> (wintering)	ferruginous hawk	Winters and forages in open, dry country, grasslands, open fields, agriculture. Nests in foothills or prairies; on low cliffs, buttes, cut banks, shrubs, trees, or in other elevated structures, natural or human-made. No breeding records from California	--	WL	Y	N
<i>Buteo swainsoni</i> (nesting)	Swainson's hawk	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	BLM	ST	Y	Y

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<i>Centrocerus urophasianus</i> (nesting & leks)	greater sage-grouse	Uses a variety of sagebrush (<i>Artemisia</i> spp.) habitats year-round; also uses bitterbrush and alkali desert scrub	BLM, USFS	SSC	Y	Y
<i>Charadrius montanus</i>	mountain plover	Winters in shortgrass prairies, plowed fields, open sagebrush, and sandy deserts	BCC	SSC	N	Y
<i>Charadrius nivosus nivosus</i> (nesting)	western snowy plover	On coasts nests on sandy marine and estuarine shores; in the interior nests on sandy, barren or sparsely vegetated flats near saline or alkaline lakes, reservoirs, and ponds	FT, BCC	SSC	N	N
<i>Circus hudsonius</i> (nesting)	northern harrier	Nests in open wetlands (marshy meadows, wet lightly-grazed pastures, old fields, freshwater and brackish marshes); also in drier habitats (grassland and grain fields); forages in grassland, scrubs, rangelands, emergent wetlands, and other open habitats	BCC	SSC	N	Y
<i>Coccyzus americanus occidentalis</i> (nesting)	western yellow-billed cuckoo	Nests in dense, wide riparian woodlands and forest with well-developed understories	FT, BLM, USFS	SE	Y	Y
<i>Coturnicops noveboracensis</i>	yellow rail	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	BCC,USFS	SSC	Y	Y
<i>Cypseloides niger</i> (nesting)	black swift	Nests in moist crevices, caves, and cliffs behind or adjacent to waterfalls in deep canyons; forages over a wide range of habitats	BCC	SSC	Y	Y
<i>Elanus leucurus</i>	white-tailed kite	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	--	SFP	Y	Y
<i>Empidonax traillii</i> (nesting)	willow flycatcher	Nests in wet meadow and montane willow riparian	USFS	SE	Y	Y
<i>Eremophila alpestris actia</i>	California horned lark	This subspecies of horned lark occurs on the state's southern and central coastal slope and in the San Joaquin Valley. Nests and forages in grasslands, disturbed lands, agriculture, and beaches.	--	WL	Y	Y
<i>Falco columbarius</i>	merlin	Forages in semi-open areas, including coastline, grassland, agriculture, savanna, woodland, lakes, and wetlands	--	WL	Y	Y
<i>Falco mexicanus</i> (nesting)	prairie falcon	Forages in grassland, savanna, rangeland, agriculture, desert scrub, alpine meadows; nest on cliffs or bluffs	--	WL	Y	Y
<i>Falco peregrinus anatum</i> (nesting)	American peregrine falcon	Nests on cliffs, buildings, and bridges; forages in wetlands, riparian, meadows, croplands, especially where waterfowl are present	FPD	FP, SCD	Y	Y
<i>Gymnogyps californianus</i>	California condor	Nests in rock formations, deep caves, and occasionally in cavities in giant sequoia trees (<i>Sequoiadendron giganteus</i>); forages in relatively open habitats where large animal carcasses can be detected	FE	SE	N	N

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<i>Haliaeetus leucocephalus</i> (nesting & wintering)	bald eagle	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains	FPD, BLM, USFS	FP, SE	Y	Y
<i>Histrionicus histrionicus</i> (nesting)	harlequin duck	Wintering habitat includes coastal rocky shorelines, shallow intertidal rocky benches, and cobble beaches; rests on riverbanks; nests along shores of shallow, swift rivers	--	SSC	N	Y
<i>Icteria virens</i> (nesting)	yellow-breasted chat	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	--	SSC	Y	N
<i>Lanius ludovicianus</i>	loggerhead shrike	Nests and forages in open habitats with scattered shrubs, trees, or other perches	--	SSC	Y	Y
<i>Larus californicus</i> (nesting colony)	California gull	Nests in alkali and freshwater lacustrine habitats; abundant in coastal and interior lowlands during non-nesting period	BCC	WL	Y	Y
<i>Laterallus jamaicensis coturniculus</i>	California black rail	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	BLM	FP, ST	Y	N
<i>Melanerpes lewis</i> (nesting)	Lewis's woodpecker	Nests in open oak woodland and savanna; nests in open ponderosa pine forest and logged or burned pine forest	BCC	--	Y	N
<i>Melospiza melodia</i> pop. 1	song sparrow ("Modesto" population)	Nests and forages in emergent freshwater marsh, riparian forest, vegetated irrigation canals and levees, and newly planted valley oak (<i>Quercus lobata</i>) restoration sites	--	SSC	Y	Y
<i>Nannopterum auritum</i> (nesting colony)	double-crested cormorant	Nests in riparian trees near ponds, lakes, artificial impoundments, slow-moving rivers, lagoons, estuaries, and open coastlines; winter habitat includes lakes, rivers, and coastal areas	--	WL	Y	N
<i>Oreortyx pictus</i>	mountain quail	Open, brushy stands of conifer and deciduous forest, woodland, and chaparral. Nests on ground in herbage at base of trees, in rocks, or near logs and stumps.	USFS	--	Y	Y
<i>Pandion haliaetus</i> (nesting)	osprey	Large waters (lakes, reservoirs, rivers) supporting fish; usually near forest habitats, but widely observed along the coast	--	WL	Y	Y
<i>Pelecanus erythrorhynchos</i> (nesting colony)	American white pelican	Nests colonially on sandy, earthen, or rocky substrates on isolated islands in freshwater lakes; minimal disturbance from predators; access to foraging areas on inland marshes, lakes, or rivers; winters on shallow coastal bays, inlets, and estuaries	BCC	SSC	Y	N
<i>Picoides albolarvatus</i>	White-headed woodpecker	Nests and forages in coniferous forests with lodgepole pine (<i>Pinus contorta</i>) and red fir (<i>Abies magnifica</i>); semi-open areas with large trees and 40%-70% cover	USFS	--	Y	Y
<i>Picoides tridactylus</i>	Three-toed woodpecker	Boreal and montane coniferous forests in snags and dead trees.	USFS	--	Y	N
<i>Plegadis chihi</i> (nesting colony)	white-faced ibis	Nests in shallow marshes with areas of emergent vegetation; winter foraging in shallow lacustrine waters, flooded agricultural fields, muddy ground of wet meadows, marshes, ponds, lakes, rivers, flooded fields, and estuaries	--	WL	Y	N

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<i>Podiceps griseigena</i>	Red-necked grebe	Estuarine and marine subtidal waters, occasionally lacustrine habitats. Rare/uncommon winter resident; Does not breed in CA.	USFS	--	Y	Y
<i>Progne subis (nesting)</i>	purple martin	Nests and forages in woodland habitats including riparian, coniferous, and valley foothill and montane woodlands; in the Sacramento region often nests in weep holes under elevated freeways	--	SSC	Y	N
<i>Psiloscops flammeolus (nesting)</i>	flamulated owl	Coniferous forest with low to intermediate canopy cover at 6,000-10,000 feet above mean sea level	BCC	--	Y	N
<i>Riparia riparia (nesting)</i>	bank swallow	Nests in riparian, lacustrine, and coastal areas with vertical banks, bluffs, and cliffs with sandy soils; open country and water during migration	BLM	ST	Y	Y
<i>Setophaga petechia (nesting)</i>	yellow warbler	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	--	SSC	N	Y
<i>Strix nebulosa (nesting)</i>	great gray owl	Nests in old-growth red fir, mixed-conifer, lodgepole pine habitats near wet meadows used for foraging	USFS	SE	Y	Y
<i>Strix occidentalis caurina</i>	northern spotted owl	Nests and forages in dense, old-growth, multi-layered mixed-conifer, redwood, and Douglas-fir habitats	FT	ST	Y	N
<i>Strix occidentalis occidentalis</i>	California spotted owl	Nests and forages in dense, old-growth, multi-layered mixed-conifer, redwood, and Douglas-fir habitats	BCC, BLM, USFS	SSC	Y	Y
<i>Tympanuchus phasianellus columbianus</i>	Columbian sharp-tailed grouse	Historically in sagebrush, shrubsteppe, mountain shrub, and riparian communities; extinct in California since about 1915	USFS	SSC	Y	Y
<i>Vireo bellii pusillus</i>	least Bell's vireo	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	FE	SE	N	N
<i>Xanthocephalus xanthocephalus (nesting)</i>	yellow-headed blackbird	Nests in marshes with tall emergent vegetation, often along borders of lakes and ponds; forages in emergent wetlands, open areas, croplands, and muddy shores of lacustrine habitat	--	SSC	Y	Y
Fish						
<i>Acipenser medirostris pop. 1</i>	green sturgeon - southern DPS	Spawns in deep pools in large, turbulent, freshwater rivers; adults live in oceanic waters, bays, and estuaries	FT	--	Y	Y
<i>Archoplites interruptus</i>	Sacramento perch	Historically found in sloughs, slow-moving rivers, and large lakes, including floodplain lakes, of the Central Valley	--	SSC	Y	Y
<i>Catostomus warnerensis</i>	Warner sucker	Restricted to one small hydrologic basin in Oregon and very small areas in Nevada and extreme northeastern California	FT	--	Y	N
<i>Catostomus fumeiventris</i>	Owens sucker	Endemic to the Owens River drainage; in its native river habitat it is most common in areas with long runs and few riffles	--	SSC	N	Y
<i>Catostomus lahontan</i>	Lahontan mountain sucker	Found in shallow (< 2 m), clear, low-gradient streams; associated with diverse substrates, from sand to boulders, in areas with dense cover. Have been found in streams at	--	SSC	N	Y

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		elevations up to 2,800 meters and at temperatures of 1-25° C.				
<i>Catostomus microps</i>	Modoc sucker	Found in tributary streams of the upper Pit River	FPD	FP, SE	Y	N
<i>Catostomus occidentalis lacusanserinus</i>	Goose Lake sucker	Restricted to the Goose Lake Basin	USFS	SSC	Y	N
<i>Catostomus snyderi</i>	Klamath largescale sucker	Native to the Klamath River and Lost River–Clear Lake systems of Oregon and California	--	SSC	Y	N
<i>Chasmistes brevirostris</i>	shortnose sucker	Native to the Klamath and Lost River systems in California and Oregon	FE	FP, SE	Y	N
<i>Chasmistes cujus</i>	cui-ui	Occurs only in Pyramid Lake and Truckee River, Nevada	FE	--	N	N
<i>Cottus asperrimus</i>	rough sculpin	Restricted to the Pit River above and below the falls at Burney, and the Hat Creek and Fall River subdrainages	BLM	FP, ST	Y	N
<i>Cottus klamathensis klamathensis</i>	Upper Klamath marbled sculpin	Found in the upper Klamath Basin in Oregon and found recently only in Willow and Boles creeks in Modoc County, California	--	SSC	Y	N
<i>Cottus klamathensis macrops</i>	bigeye marbled sculpin	Found in the Pit River system and three tributaries: Hat Creek, Burney Creek, and the Fall River system	--	SSC	Y	N
<i>Cottus klamathensis polyporus</i>	Lower Klamath marbled sculpin	Found in the Klamath River drainage from Iron Gate Dam downstream to the mouth of the Trinity River	--	SSC	Y	N
<i>Cottus pitensis</i>	Pit sculpin	Fast-flowing rocky riffles. Cool, well-shaded, small streams, spring-fed creeks, and small boulder-strewn rivers.	USFS	--	Y	N
<i>Crenichthys nevadae</i>	Railroad Valley springfish	Thermal springs, springbooks, and adjacent marshes. Railroad Valley endemic.	FT	SF	N	N
<i>Deltistes luxatus</i>	Lost River sucker	Native to the Lost River system in California and Oregon	FE	FP, SE	Y	N
<i>Entosphenus folletti</i>	northern California brook lamprey	Small, cool tributary streams with fine substrates and beds of aquatic plants. Known only from Willow and Boles creeks above Clear Lake Reservoir in Modoc County, and from Fall Creek in Siskiyou County (CDFW 2017).	--	SSC	Y	N
<i>Entosphenus lethophagus</i>	Pit-Klamath brook lamprey	Largely unknown but may include resident, riverine individuals as well as those that are adfluvial into lakes, reservoirs, and marshes	--	SSC	Y	N
<i>Entosphenus minimus</i>	Miller Lake lamprey	Slow-moving waters in Miller Lake subbasins. Clear rocky streams, gravelly areas.	USFS	--	Y	N
<i>Entosphenus tridentatus</i>	Pacific lamprey	Freshwater habitat includes lakes, rivers, and creeks; soft substrates in shallow areas along banks; in Goose Lake, Klamath and Shasta Rivers, and Copco Lake	BLM, USFS	SSC	Y	N
<i>Entosphenus tridentatus</i> ssp. 1	Goose Lake lamprey	Endemic to Goose Lake and its tributaries	USFS	SSC	Y	N

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<i>Gila bicolor</i> ssp.	Hutton tui chub	Limited to two small springs, Hutton Spring and 3/8 Mile Spring, found in Lake County, Oregon	USFS	--	Y	N
<i>Gila bicolor</i> ssp. <i>snyderi</i>	Owens tui chub	Three existing natural populations known in the Owens River Gorge, source springs of Hot Creek Hatchery, and a pond and ditches at Cabin Bar Ranch near Owens Dry Lake	FE	SE	N	Y
<i>Gila coerulea</i>	blue chub	Abundant in lakes, but found in a variety of habitats, from small streams and rivers to shallow reservoirs and deep lakes	--	SSC	Y	N
<i>Hesperoleucus mitrulus</i>	northern roach	Found above Pit River Falls in the upper Pit River and its tributaries, and tributaries to Goose Lake.	--	SSC	Y	N
<i>Hesperoleucus symmetricus serpentinus</i>	Red Hills roach	Spring-fed intermittent creeks and small streams near Sonora. May be confined to pools and perennial stream reaches during summer and drought.	--	SSC	N	Y
<i>Hesperoleucus symmetricus symmetricus</i>	central California roach	Generally found in small streams of the Sierra Nevada foothills flowing into the Central Valley and are particularly well adapted to life in intermittent watercourses; dense populations are frequently observed in isolated pools.	--	SSC	N	Y
<i>Hypomesus transpacificus</i>	Delta smelt	Sacramento-San Joaquin Delta; seasonally in Suisun Bay, Carquinez Strait, and San Pablo Bay	FT	SE	N	N
<i>Lampetra hubbsi</i>	Kern brook lamprey	Slow, silty backwaters of foothill streams	USFS	SSC	N	Y
<i>Mylopharodon conocephalus</i>	hardhead	Low- to mid-elevation streams in the Sacramento-San Joaquin drainage; also present in the Russian River	USFS	SSC	Y	N
<i>Oncorhynchus clarkii henshawi</i>	Lahontan cutthroat trout	Variety of coldwater habitats; large terminal alkaline lakes, alpine lakes, slow meandering rivers, mountain rivers, and small headwater tributary streams	FT	--	N	Y
<i>Oncorhynchus clarkii seleniris</i>	Paiute cutthroat trout	Cool, well-oxygenated waters; adults occur in stream pools in low-gradient meadows with overhanging banks and abundant riparian vegetation	FT	--	N	Y
<i>Oncorhynchus clarkii utah</i>	Bonneville cutthroat trout	Ranges from high-elevation streams (coniferous and deciduous riparian trees) to low-elevation streams (sage-steppe grasslands, herbaceous riparian zones, lakes). Primarily occurs in small headwater streams.	USFS	--	N	N
<i>Oncorhynchus mykiss aquilarum</i>	Eagle Lake rainbow trout	Endemic to Eagle Lake, Lassen County, and its main tributaries, Pine Creek and Papoose Creek	USFS	SSC	Y	N
<i>Oncorhynchus mykiss irideus</i> pop. 1	steelhead - Klamath Mountains Province DPS	Streams between Elk River, Oregon and the Klamath & Trinity rivers in California, inclusive (CDFW 2018).	USFS	SSC	Y	N
<i>Oncorhynchus mykiss irideus</i> pop. 11	steelhead - Central Valley DPS	Coastal basins from Redwood Creek south to the Gualala River, inclusive; does not include summer-run steelhead	FT	--	Y	Y
<i>Oncorhynchus mykiss newberrii</i>	Oregon Great Basin redband trout	Drainages in south central OR east of Cascades to extreme northeast CA, extreme northwest NV. Seven isolation drainages.	SC	SC	Y	N

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<i>Oncorhynchus mykiss</i> ssp. 1	Goose Lake redband trout	Found only in the Goose Lake drainage in California and Oregon; spawns in high-elevation sections of tributary streams	USFS	SSC	Y	N
<i>Oncorhynchus mykiss</i> ssp. 2	McCloud River redband trout	Lives in small spring-fed tributaries of the McCloud River	USFS	SSC	Y	N
<i>Oncorhynchus tshawytscha</i> pop. 7	chinook salmon - Sacramento River winter-run ESU	Populations spawning in the Sacramento and San Joaquin Rivers and their tributaries	FE	SE	Y	Y
<i>Oncorhynchus tshawytscha</i> pop. 11	chinook salmon - Central Valley spring-run ESU	Populations spawning in Central to Northern California. Sacramento River system.	FT	ST	Y	Y
<i>Prosopium williamsoni</i>	mountain whitefish	Tributaries east of the Sierra Nevada Mountains	--	SSC	N	Y
<i>Salvelinus confluentus</i>	bull trout	In California, found only in the McCloud River in Shasta County	FT	SE	Y	N
<i>Siphateles bicolor oregonensis</i>	Oregon lakes tui chub	Endemic to the endorheic Abert Lake basin in south-central Oregon, including XL Spring and the Chewaucan River	USFS	--	Y	N
<i>Siphateles bicolor pectinifer</i>	Lahontan Lake tui chub	Inhabits large, deep lakes; tolerates a wide range of physiochemical water conditions	USFS	SSC	N	Y
<i>Siphateles bicolor</i> ssp. 12	Eagle Lake tui chub	Found only in Eagle Lake, Lassen County	--	SSC	Y	N
<i>Siphateles bicolor thalassinus</i>	Goose Lake tui chub	Confined to the Goose Lake Basin of Oregon and California	USFS	SSC	Y	N
<i>Spirinchus thaleichthys</i>	longfin smelt	Aquatic, estuary	ST	FC	N	N
<i>Siphateles bicolor vaccaceps</i>	Cow Head tui chub	Known only from the Cow Head sub-basin of the Warner Basin	BLM	--	Y	N
Invertebrates						
<i>Ancotrema voyanum</i>	hooded lancetooth	Occurs mostly in the Shasta-Trinity National Forest in the northern half of Trinity County; associated with limestone substrates, mostly in an elevation range of 168 to 960 meters (550 to 3,150 feet) above mean sea level	USFS	SAL	Y	N
<i>Anodonta californiensis</i>	California floater	Freshwater lakes and slow-moving streams and rivers; taxonomy under review by specialists	USFS	--	Y	Y
<i>Bombus crotchii</i>	Crotch bumble bee	Open grassland and scrub communities supporting suitable floral resources.	--	SCE	Y	Y
<i>Bombus franklini</i>	Franklin's bumble bee	Species has precipitously declined since 1998; found only in southern Oregon/northern California between the Coast and Sierra-Cascade Ranges	FE	SCE	Y	N
<i>Bombus morrisoni</i>	Morrisoni bumble bee	Found east of the Sierra-Cascade Ranges in Oregon and California to southern British Columbia, and east to New Mexico, Texas, and north to western South Dakota	USFS	--	Y	Y

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<i>Bombus occidentalis</i>	western bumble bee	Once common and widespread, species has declined precipitously from central California to southern British Columbia, perhaps from disease	BCC, USFS	SCE	Y	Y
<i>Bombus suckleyi</i>	Suckley cuckoo bumble bee	Historically found in Alaska south through the Rocky Mountains to Colorado, and south in the Cascades and Klamath Mountains to northern California. It is also found in the Canadian Great Plains with a disjunct population in eastern Canada.	USFS	SCE	Y	N
<i>Branchinecta conservatio</i>	conservancy fairy shrimp	Larger, more turbid vernal pools, playa pools	FE	--	N	N
<i>Branchinecta longiantenna</i>	longhorn fairy shrimp	Sandstone outcrop pools, alkaline grassland vernal pools, and pools within alkali sink and alkali scrub communities	FE	--	N	N
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	Vernal pools, seasonally ponded areas within vernal swales, and ephemeral freshwater habitats	FT	--	Y	Y
<i>Callophrys johnsoni</i>	Johnson's hairstreak	Old-growth, coniferous forests, woodlands. Require hemlock dwarf mistletoe to complete lifecycle.	USFS	SGCN	Y	Y
<i>Chloealtis aspasma</i>	Siskiyou short-horned grasshopper	Forest meadows, balds, often along edges of forests and upland of wetlands. Grasslands and herbaceous habitats.	USFS	--	Y	N
<i>Chlosyne acastus robusta</i>	Spring Mountain Checkerspot	Along washes and roadsides in the Spring Mountains, Clark County, NV. Arid, relatively open areas within pinyon-juniper woodlands or conifer woodlands (in proximity to open linear features i.e. dry creek beds).	USFS	--	N	N
<i>Colligyrus depressus</i>	Harney Basin dusksnail	Shallow, cold springs and spring runs with rocky substrates, moderate to steep slopes. Sage scrub desert.	USFS	--	Y	N
<i>Crenichthys nevadae</i>	Railroad Valley springfish	Thermal springs, springbooks, and adjacent marshes. Railroad Valley endemic.	FT, USFS	SF	N	N
<i>Danaus plexippus plexippus</i> pop. 1	monarch - California overwintering population	Wind-protected tree groves with nectar sources and nearby water sources	FC	--	Y	Y
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	Occurs only in the Central Valley of California, in association with blue elderberry (<i>Sambucus nigra</i> ssp. <i>caerulea</i>)	FT	--	Y	Y
<i>Euphilotes ancilla purpura</i>	dark blue	Shrubby areas with no tree cover to open woodlands with moderate tree cover. Found with early-blooming <i>Eriogonum umbellatum</i> as host plant.	USFS	--	N	N
<i>Euphydryas anicia morandi</i>	Morand's checkerspot	Open slopes, in mixed conifer forests, avalanche chutes, ridges, and re-vegetated burn areas. Little to no grass cover preferred for basking sites.	USFS	--	N	N
<i>Euphydryas editha monoensis</i>	Mono checkerspot butterfly	Riparian	USFS	--	N	Y
<i>Fluminicola modoci</i>	Modoc pebblesnail	Springs with cool, clear water and rocky bottoms in southern Oregon and northern California	USFS	--	Y	N

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<i>Fluminicola seminalis</i>	nugget pebblesnail	Originally from near mouth of the Sacramento River upstream into the Pit River; now extirpated from the Sacramento River	USFS	--	Y	N
<i>Fluminicola turbiniformis</i>	Turban pebblesnail	Clear, cold, nutrient-poor springs (high dissolved oxygen content).	BLM, USFS	--	Y	Y
<i>Gonidea angulata</i>	Western ridged mussel	Primarily creeks and rivers and, less often, lakes; originally in most of state, now extirpated from Central and Southern California	USFS	--	Y	Y
<i>Helisoma newberryi</i>	Great Basin rams-horn	Larger lakes and slow rivers, including larger spring sources and spring-fed creeks	USFS	--	Y	Y
<i>Icaricia shasta charlestonensis</i>	Mt. Charleston Blue Butterfly	Sparsely vegetated areas between mixed alpine coniferous forests.	FE	--	N	N
<i>Juga acutifilosa</i>	topaz juga	Cold, well-oxygenated, unpolluted water, generally with stable gravel substrate	USFS	SAL	Y	N
<i>Juga occata</i>	scalloped juga	Spring-fed creeks, large rivers, and lakes	USFS	SAL	Y	N
<i>Lanx alta</i>	Highcap lanx	Occurs in portions of the mainstem Klamath River and possibly large tributaries to Upper Klamath Lake, Trinity River, and Smith River	USFS	SAL	Y	N
<i>Lanx patelloides</i>	kneecap lanx	Endemic to upper Sacramento River system; breathes entirely through mantle and is very sensitive to polluted water	USFS	--	Y	N
<i>Lepidurus packardi</i>	vernal pool tadpole shrimp	Ephemeral freshwater habitats including alkaline pools, clay flats, vernal lakes, vernal pools, and vernal swales	FE	--	Y	Y
<i>Monadenia circumcarinata</i>	keeled sideband	Endemic to the Tuolumne River canyon, in association with steep limestone outcrops and talus slopes	BLM	--	N	Y
<i>Monadenia mormonum hirsuta</i>	hirsute Sierra sideband snail	Known only from a few basaltic outcrops in Tuolumne County	BLM	SAL	N	Y
<i>Monadenia troglodytes troglodytes</i>	Shasta sideband snail	Associated with limestone terrain in Shasta and Siskiyou Counties; associated with pine-oak woodlands	USFS	SAL	Y	N
<i>Monadenia troglodytes wintu</i>	Wintu sideband snail	Occurs in Shasta County	USFS	SAL	Y	N
<i>Monadenia tuolumneana</i>	Tuolumne sideband snail	Endemic to the Tuolumne River canyon, in association with steep limestone outcrops and talus slopes	BLM	SAL	N	Y
<i>Pacifastacus fortis</i>	Shasta crayfish	Found only in the Fall and Hat Creek sub-drainages of the Pit River system	FE	SE	Y	N
<i>Philotiella leona</i>	Leona's Little Blue butterfly	One known location; Six square miles of ash-pumice habitat with spurry buckwheat, southeast of Crater Lake, OR.	USFS	--	N	N
<i>Pisidium ultramontanum</i>	montane peaclam	Found in spring-influenced streams, lakes, and pools in northeastern California	USFS	SAL	Y	N
<i>Plebejus podarce klamathensis</i>	Gray-blue butterfly	Wet, montane meadows, mud puddles, herbaceous marshes. Found in high elevation (5,100-6,500ft).	USFS		N	N
<i>Pogonichthys macrolepidotus</i>	Sacramento splittail	Endemic to the lakes and rivers of the Central Valley, but now confined to the Delta, Suisun Bay, and associated marshes	--	SSC	Y	Y
<i>Polites mardon</i>	Mardon skipper	Serpentine-soil grasslands and meadows	USFS	--	Y	N

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<i>Pristiloma crateris</i>	Crater Lake tightcoil	Wet meadows, riparian areas, moist forests among shrubs and plant bases. Found mid to high elevation in OR.	BLM, USFS	--	Y	N
<i>Pseudocopaede s eunus obscurus</i>	Carson wandering skipper	Grassland habitats on alkaline substrates	FE	--	Y	N
<i>Pyrgulopsis archimedis</i>	Archimedes springsnail	Springs and streams in the Pit and Klamath Basins	USFS	--	Y	N
<i>Pyrgulopsis gibba</i>	Surprise Valley pyrg	Found in springs in the Great Basin of northeastern California	--	SCE	N	N
<i>Pyrgulopsis lasseni</i>	Willow Creek pyrg	Upper reaches of Willow Creek and an associated warm nasmode (spring complex originating from same groundwater source) in the upper Pit River basin	USFS	SAL	Y	N
<i>Trilobopsis roperi</i>	Shasta chaparral snail	Found within 100 meters (330 feet) of limestone outcroppings and talus slopes with some protective shade, or caves with shrubs or oak cover	USFS	--	Y	N
<i>Trilobopsis tehamana</i>	Tehama chaparral snail	Endemic to Butte, Tehama, and Siskiyou Counties; usually found in rocky talus, but has also been found under leaf litter or woody debris within 100 meters (330 feet) of limestone outcrops	USFS	--	Y	N
<i>Vespericola scotti</i>	Benson Gulch hesperian	Known only from mixed hardwood-conifer forest at the type locality, Benson Gulch, Trinity County	USFS	--	Y	N
<i>Vespericola shasta</i>	Shasta hesperian	Primarily found in the vicinity of Shasta Lake, up to 915 meters (3,000 feet) above mean sea level	USFS	SAL	Y	N
<i>Vespericola sierranus</i>	Siskiyou hesperian	Found under logs in a swampy meadow in Siskiyou County (Roth 1972)	USFS	--	Y	N
<i>Vorticifex effusa diagonalis</i>	Lined ramshorn	Spring-fed lakes and large creeks. Groundwater dependent. Restricted to Klamath Lake system in OR.	BLM, USFS	SCC	Y	N
<i>Vorticifex klamathensis klamathensis</i>	Klamath ramshorn	Spring-influenced streams. Restricted to upper Klamath area.	BLM, USFS	SCC	Y	N
Mammals						
<i>Antrozous pallidus</i>	pallid bat	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees	BLM, USFS	SSC	Y	Y
<i>Aplodontia rufa californica</i>	Sierra Nevada mountain beaver	Wooded, moist habitats with herbaceous plants along slopes of ridges and gullies; brushy successional stages of most coniferous communities	--	SSC	Y	Y
<i>Bassariscus astutus raptor</i>	Northern California ringtail	Mixed forests and shrublands near rocky areas or riparian habitats; forages near water and is seldom found more than 1 kilometer (0.62 mile) from a water source	--	FP	Y	Y
<i>Brachylagus idahoensis</i>	pygmy rabbit	Sagebrush, bitterbrush, and pinyon-juniper	BLM, USFS	SSC	Y	Y

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<i>Canis lupus</i>	gray wolf	Montane woodlands and adjacent grasslands at 4,000–5,000 feet above mean sea level where ungulate prey or livestock are plentiful	FE	SE	Y	N
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	Mesic habitats characterized by coniferous and deciduous forests and riparian habitat, but also xeric areas; roosts in limestone caves and lava tubes, man-made structures, and tunnels	BLM, USFS	SSC	Y	Y
<i>Dipodomys nitratoides exilis</i>	Fresno kangaroo rat	Alkali sink/open grassland habitats; sands and saline sandy soils in chenopod scrub	FE	SE	N	N
<i>Euderma maculatum</i>	spotted bat	Foothills, mountains, desert regions of southern California, including arid deserts, grasslands, and mixed-conifer forests; roosts in rock crevices and cliffs; feeds over water and along washes	BLM	SSC	Y	Y
<i>Eumops perotis californicus</i>	western mastiff bat	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	BLM	SSC	Y	Y
<i>Gulo gulo</i>	California wolverine	Douglas-fir, red fir, lodgepole, subalpine conifer, alpine dwarf shrub, mixed-conifer, and barren habitats	FPT, USFS	FP, ST	N	Y
<i>Lasiurus frantzii</i>	western red bat	Forest, woodland, riparian, mesquite bosque, and orchards, including fig, apricot, peach, pear, almond, walnut, and orange; roosts in tree canopy	--	SSC	N	Y
<i>Lepus americanus klamathensis</i>	Oregon snowshoe hare	Riparian with thickets of deciduous trees such as alders and willows, dense thickets of conifers, and sometimes ceanothus and manzanita	--	SSC	Y	N
<i>Lepus americanus tahoensis</i>	Sierra Nevada snowshoe hare	Riparian with thickets of deciduous trees such as alders and willows, dense thickets of conifers, and sometimes ceanothus and manzanita	--	SSC	Y	Y
<i>Lepus townsendii townsendii</i>	western white-tailed jackrabbit	Open forests and sagebrush–grassland	--	SSC	Y	Y
<i>Lynx canadensis</i>	Canada lynx	Throughout Alaska and Canada (except arctic islands) south through the Rocky Mountains, northern Great Lakes region, and northern New England	FE	--	N	N
<i>Martes caurina</i>	Pacific marten	Red fir, lodgepole pine, subalpine conifer, Jeffrey pine, and eastside pine	USFS	SAL	Y	Y
<i>Martes caurina humboldtensis</i>	Humboldt marten	Coastal coniferous forests	FT, USFS	SSC, SE	Y	N
<i>Martes caurina sierrae</i>	Sierra marten	Mixed evergreen forests with medium to high canopy cover	USFS	SAL	Y	Y
<i>Myotis ciliolabrum</i>	western small-footed myotis	Arid woodlands and shrublands, but near water; roosts in caves, crevices, mines, abandoned buildings	BLM	SAL	Y	Y
<i>Myotis evotis</i>	long-eared myotis	Brush, woodland, and forest habitats from sea level to 9,000 feet above MSL; prefers coniferous habitats; forages along habitat edges, in open habitats, and over water; roosts in	BLM	SAL	Y	Y

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		buildings, crevices, under bark, and snags; uses caves as night roosts				
<i>Myotis thysanodes</i>	fringed myotis	Drier woodlands (oak, pinyon-juniper, and ponderosa pine), desert scrub, mesic coniferous forest, grassland, and sage-grass steppe; sea level to 9,350 ft; roosts in buildings, mines, rocks, cliff faces, bridges, and large, decadent trees and snags	BLM, USFS	--	Y	Y
<i>Myotis yumanensis</i>	Yuma myotis	Riparian, arid scrublands and deserts, and forests associated with water (streams, rivers, tinajas); roosts in bridges, buildings, cliff crevices, caves, mines, and trees	BLM	SAL	Y	Y
<i>Neotoma fuscipes</i>	riparian (=San Joaquin Valley) woodrat	Dense riparian forest; willow thickets with an oak overstory	FE	SSC	Y	Y
<i>Neotoma macrotis luciana</i>	Monterey dusky-footed woodrat	Dense forest, oak woodland, and chaparral with a moderately dense understory and abundant dead wood	BLM	--	N	N
<i>Ovis canadensis canadensis</i>	Rocky Mountain bighorn sheep	Grasslands, coniferous forests, and woodlands in steep Rocky Mountains (U.S. & Canada).	USFS	SSC	N	N
<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	Steep slopes and cliffs, rough and rocky topography, sparse vegetation; also canyons, washes, and alluvial fans	USFS	FP	N	N
<i>Ovis canadensis sierrae</i>	Sierra Nevada bighorn sheep	Open habitat above 4,700 feet above mean sea level that contains steep, generally rocky slopes	FE	FP, SE	Y	N
<i>Pekania pennanti pop. 2</i>	fisher - Southern Sierra Nevada ESU	Uses cavities, snags, logs and rocky areas for cover and denning. Needs large areas of mature, dense forest.	FE, BLM, USFS	SSC, ST	N	Y
<i>Perognathus inornatus</i>	San Joaquin pocket mouse	Open grassland and scrub areas on fine-textured soils	BLM	--	N	N
<i>Puma concolor</i>	mountain lion	Scrubs, chaparral, riparian, woodland, and forest; rests in rocky areas and on cliffs and ledges that provide cover; most abundant in riparian areas and brushy stages of most habitats throughout California, except deserts	--	SP	Y	Y
<i>Sorex lyelli</i>	Mount Lyell shrew	High montane and cold steppe communities; logs, stumps, other surface objects used for cover; occurs in grass and streamside willows with moist soils	--	SSC	N	Y
<i>Sylvilagus bachmani riparius</i>	riparian brush rabbit	Dense thickets of wild rose, willows, and blackberries growing along the banks of San Joaquin and Stanislaus Rivers	FE	SE	N	Y
<i>Taxidea taxus</i>	American badger	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	--	SSC	Y	Y
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	Grasslands and scrublands, including those that have been modified; oak woodland, alkali sink scrubland, vernal pool, and alkali meadow	FE	ST	N	Y
<i>Vulpes vulpes necator pop. 1</i>	Sierra Nevada red fox - southern Cascades DPS	Barren, conifer, and shrub habitats at high elevations during summer and red fir, mixed-conifer, montane chaparral, and white fir forests during winter	--	ST	Y	N

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<i>Vulpes vulpes necator pop. 2</i>	Sierra Nevada red fox - Sierra Nevada DPS	Barren, conifer, and shrub habitats at high elevations during summer and red fir, mixed-conifer, montane chaparral, and white fir forests during winter	FE, USFS	ST	Y	Y
Reptiles						
<i>Anniella pulchra</i>	northern California legless lizard	Coastal dunes, stabilized dunes, beaches, dry washes, valley-foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and sandy or loose, loamy soils	USFS	SSC	N	Y
<i>Arizona elegans occidentalis</i>	California glossy snake	Arid scrub, rocky washes, grasslands, chaparral, open areas with loose soil	--	SSC	N	Y
<i>Emys marmorata</i>	western pond turtle	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	BLM, USFS	SSC	N	Y
<i>Gambelia silus</i>	blunt-nosed leopard lizard	Sparsely vegetated alkali and desert scrubs, including semi-arid grasslands, alkali flats, and washes	FE	SE, FP	N	N
<i>Gopherus agassizii</i>	desert tortoise	Arid and semi-arid habitats in Mojave and Sonoran Deserts, including sandy or gravelly locations along riverbanks, washes, sandy dunes, canyon bottoms, desert oases, rocky hillsides, creosote flats, and hillsides	FT	ST	N	N
<i>Phrynosoma blainvillii</i>	Blainville's horned lizard	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley-foothill hardwood, conifer, riparian, pine-cypress, juniper, and annual grassland habitats	BLM	SSC	N	Y
<i>Thamnophis gigas</i>	giant garter snake	Freshwater marsh habitat and low-gradient streams; also uses canals and irrigation ditches	FT	ST	N	N

Status Abbreviations

Y: Yes; habitat is present in the feedstock area.
 N: No; habitat is absent in the feedstock area.
 FE: Federally listed as endangered
 FT: Federally listed as threatened
 FPE: Federally proposed for listing as endangered
 FPT: Federally proposed for listing as threatened
 FC: Federal candidate species (former Category 1 candidates)
 FPD: Federally proposed for delisting
 BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern
 BLM: Bureau of Land Management Sensitive Species
 USFS: U.S. Forest Service Sensitive Species
 SSC: California Species of Special Concern
 FP: California Fully Protected Species
 WL: California Watch List Species
 SE: State listed as endangered
 ST: State listed as threatened
 SC: State candidate for listing as threatened or endangered
 SCE: State candidate for listing as endangered
 SCT: State candidate for listing as threatened
 SCD: State candidate for delisting

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Table 4. Sensitive Natural Communities Within the Working Area

Sensitive Natural Community	Frequency of CNDDB Occurrences		
	Working Area		Within 5 Miles of Working Area
	Northern California (Lassen Facility)	Central Sierra Nevada (Tuolumne Facility)	
Alkali Seep	1	--	1
Big Lake	12	--	50
Big Tree Forest	--	27	3
Central Valley Drainage Hardhead/Squawfish Stream	29	19	8
Central Valley Drainage Rainbow Trout/Cyprinid Stream	--	7	--
Central Valley Drainage Resident Rainbow Trout Stream	34	72	13
Central Valley Drainage Spring Stream	--	2	--
Central Valley Drainage Spring-Run Chinook Stream	61	--	10
Darlingtonia Seep	439	--	--
Eagle Lake	48	--	60
Fen	1	8	2
giant moonwort	--	3	5
Goose Lake	59	--	55
Goose Lake Drainage Redband Trout/Lamprey Spawning Stream	49	--	31
Goose Lake Drainage Resident Redband Trout Stream	18	--	14
Goose Lake Drainage Speckled Dace/Goose Lake Sucker Stream	2	--	20
Goose Lake Drainage Valley Tui Chub Stream	--	--	16
Great Basin Cutthroat Trout Headwater	--	1	1
Great Basin Tui Chub Stream	--	--	3
Klamath Spring Stream	--	--	2
Lower McCloud River/Canyon River	81	--	2
Lower Pit River/Canyon River (Hardhead/Tule Perch River)	374	--	170
male fern	--	5	--

McCloud River Redband Trout Stream	8	--	3
Mingan moonwort	222	151	27
Mono Pumice Flat	--	95	4
Montane Freshwater Marsh	--	--	6
North American moonwort	7	13	12
northern adder's-tongue	31	1	23
Northern Basalt Flow Vernal Pool	54	--	8
Northern Interior Cypress Forest	23	--	12
northern spleenwort	14	--	6
Northern Vernal Pool	1	--	--
northwestern moonwort	18	--	2
paradox moonwort	--	3	5
Pine Creek Tributary To Eagle Lake	40	--	2
Pit R. Drainage Rough Sculpin/Shasta Crayfish Spring Stream	73	--	192
Pit River Drainage Modoc Sucker Stream	26	--	15
Pit River Drainage Rainbow/Redband Trout Stream	7	--	--
Pit River Drainage Speckled Dace/Pit Sculpin Stream	51	--	24
Pit River Drainage Squawfish/Sucker Valley Stream	47	--	24
pumice moonwort	4	--	--
rattlesnake fern	53	--	15
Rocky Mountain spike-moss	230	--	--
Sacramento-San Joaquin Foothill/Valley Ephemeral Stream	--	2	4
scalloped moonwort	175	133	4
slender moonwort	--	9	3
Sphagnum Bog	22	28	1
stalked moonwort	--	2	--
Sycamore Alluvial Woodland	--	--	18
upswept moonwort	83	63	12
Water Birch Riparian Scrub	--	23	--
western goblin	156	44	2

Table 5. Special-Status Plant Species Habitat in the Region of the Port Site

Scientific Name	Common Name	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	CRPR	CESA	FESA	Habitat Present
<i>Amsinckia grandiflora</i>	large-flowered fiddleneck	Cismontane woodland, Valley and foothill grassland/annual herb/(Mar)Apr–May/885–1,800	1B.1	CE	FE	N
<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch	Playas, Valley and foothill grassland (adobe clay), Vernal pools; Alkaline/annual herb/Mar–June/5–195	1B.2	--	--	N
<i>Atriplex cordulata</i> var. <i>cordulata</i>	heartscale	Chenopod scrub, Meadows and seeps, Valley and foothill grassland (sandy); Alkaline (sometimes)/annual herb/Apr–Oct/0–1,835	1B.2	--	--	N
<i>Blepharizonia plumosa</i>	big tarplant	Valley and foothill grassland; Clay (usually)/annual herb/July–Oct/100–1,655	1B.1	--	--	N
<i>Brasenia schreberi</i>	watershield	Marshes and swamps (freshwater)/perennial rhizomatous herb (aquatic)/June–Sep/0–7,215	2B.3	--	--	N
<i>Carex comosa</i>	bristly sedge	Coastal prairie, Marshes and swamps (lake margins), Valley and foothill grassland/perennial rhizomatous herb/May–Sep/0–2,050	2B.1	--	--	N
<i>Chloropyron molle</i> ssp. <i>molle</i>	soft salty bird's-beak	Marshes and swamps (coastal salt)/annual herb (hemiparasitic)/June–Nov/0–10	1B.2	SR	FE	N
<i>Chloropyron palmatum</i>	palmate-bracted bird's-beak	Chenopod scrub, Valley and foothill grassland; Alkaline/annual herb (hemiparasitic)/May–Oct/15–510	1B.1	CE	FE	N
<i>Cirsium crassicaule</i>	slough thistle	Chenopod scrub, Marshes and swamps (sloughs), Riparian scrub/annual/perennial herb/May–Aug/10–330	1B.1	--	--	N
<i>Delphinium recurvatum</i>	recurved larkspur	Chenopod scrub, Cismontane woodland, Valley and foothill grassland; Alkaline/perennial herb/Mar–June/10–2,590	1B.2	--	--	N
<i>Eryngium racemosum</i>	Delta button-celery	Riparian scrub (vernally mesic clay depressions)/annual/perennial herb/(May)June–Oct/10–100	1B.1	CE	--	N
<i>Extriplex joaquinana</i>	San Joaquin spearscale	Chenopod scrub, Meadows and seeps, Playas, Valley and foothill grassland; Alkaline/annual herb/Apr–Oct/5–2,735	1B.2	--	--	N
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	Marshes and swamps (freshwater)/perennial rhizomatous herb (emergent)/June–Sep/0–395	1B.2	--	--	N

<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Marshes and swamps (brackish, freshwater)/perennial herb/May-July(Aug-Sep)/0-15	1B.2	--	--	N
<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Marshes and swamps (brackish, freshwater), Riparian scrub/perennial rhizomatous herb/Apr-Nov/0-35	1B.1	SR	--	N
<i>Limosella australis</i>	Delta mudwort	Marshes and swamps (brackish, freshwater), Riparian scrub; Streambanks (usually)/perennial stoloniferous herb/May-Aug/0-10	2B.1	--	--	N
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	Marshes and swamps (shallow freshwater)/perennial rhizomatous herb (emergent)/May-Oct(Nov)/0-2,130	1B.2	--	--	N
<i>Scutellaria lateriflora</i>	side-flowering skullcap	Marshes and swamps, Meadows and seeps (mesic)/perennial rhizomatous herb/July-Sep/0-1,640	2B.2	--	--	N
<i>Symphotrichum lentum</i>	Suisun Marsh aster	Marshes and swamps (brackish, freshwater)/perennial rhizomatous herb/(Apr)May-Nov/0-10	1B.2	--	--	N
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis	Marshes and swamps, Meadows and seeps, Riparian forest, Vernal pools; Alkaline/annual herb/May-Sep/15-1,425	2B.1	--	--	N
<i>Trifolium hydrophilum</i>	saline clover	Marshes and swamps, Valley and foothill grassland (mesic, alkaline), Vernal pools/annual herb/Apr-June/0-985	1B.2	--	--	N
<i>Tropidocarpum capparideum</i>	caper-fruited tropidocarpum	Valley and foothill grassland (alkaline hills)/annual herb/Mar-Apr/5-1,490	1B.1	--	--	N

Status Legend:

Y: Yes; habitat is present.

N: No; habitat is absent.

FE: Federally listed as endangered

FC: Federal Candidate for listing

DL: Delisted

SE: State listed as endangered

SC: State Candidate for listing

SR: State Rare

CRPR 1A: Plants presumed extirpated in California and either rare or extinct elsewhere

CRPR 1B: Plants rare, threatened, or endangered in California and elsewhere

CRPR 2A: Plants presumed extirpated in California but common elsewhere

CRPR 2B: Plants rare, threatened, or endangered in California but more common elsewhere

.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)

.2 Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

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

Table 6. Special-Status Wildlife Species Habitat in the Region of the Port Site

Scientific Name	Common Name	Habitat	State Status	Federal Status	SJCOG Covered Species	Habitat Present (Yes/No)
Amphibians						
<i>Ambystoma californiense pop. 1</i>	California tiger salamander - central California DPS	Annual grassland, valley–foothill hardwood, and valley–foothill riparian habitats; vernal pools, other ephemeral pools, and (uncommonly) along stream courses and man-made pools if predatory fishes are absent	ST, WL	FT	SJCOG	N
<i>Spea hammondi</i>	western spadefoot	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley–foothill woodlands, pastures, and other agriculture	SSC	--	SJCOG	N
Birds						
<i>Agelaius tricolor</i>	tricolored blackbird	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	BCC	SSC, ST	SJCOG	N
<i>Asio flammeus</i>	short-eared owl	Grassland, prairies, dunes, meadows, irrigated lands, and saline and freshwater emergent wetlands	BCC	SSC	SJCOG	N
<i>Athene cunicularia</i>	burrowing owl	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	BCC	SSC	SJCOG	Y
<i>Buteo swainsoni</i>	Swainson's hawk	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	--	ST	SJCOG	Y
<i>Circus hudsonius</i>	northern harrier	Nests in open wetlands (marshy meadows, wet lightly-grazed pastures, old fields, freshwater and brackish marshes); also in drier habitats (grassland and grain fields); forages in grassland, scrubs, rangelands, emergent wetlands, and other open habitats	BCC	SSC	SJCOG	N
<i>Elanus leucurus</i>	white-tailed kite	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	--	FP	SJCOG	Y

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<i>Lanius ludovicianus</i>	loggerhead shrike	Nests and forages in open habitats with scattered shrubs, trees, or other perches	--	SSC	SJCOG	Y
<i>Laterallus jamaicensis coturniculus</i>	California black rail	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	--	FP, ST	SJCOG	N
<i>Melospiza melodia</i> ("Modesto" population)	song sparrow ("Modesto" population)	Nests and forages in emergent freshwater marsh, riparian forest, vegetated irrigation canals and levees, and newly planted valley oak (<i>Quercus lobata</i>) restoration sites	--	SSC	--	N
<i>Setophaga petechia</i>	yellow warbler	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	--	SSC	SJCOG	N
<i>Vireo bellii pusillus</i>	least Bell's vireo	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	FE	SE	--	N
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird	Nests in marshes with tall emergent vegetation, often along borders of lakes and ponds; forages in emergent wetlands, open areas, croplands, and muddy shores of lacustrine habitat	--	SSC	--	N
Fishes						
<i>Acipenser medirostris</i> pop. 1	green sturgeon - southern DPS	Spawns in deep pools in large, turbulent, freshwater rivers; adults live in oceanic waters, bays, and estuaries	--	FT	SJCOG	Y
<i>Hypomesus transpacificus</i>	Delta smelt	Sacramento-San Joaquin Delta; seasonally in Suisun Bay, Carquinez Strait, and San Pablo Bay	SE	FT	SJCOG	Y
<i>Oncorhynchus mykiss irideus</i> pop. 11	southern steelhead - Central Valley DPS	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	--	FE	--	Y
<i>Oncorhynchus tshawytscha</i> pop. 13	chinook salmon - Central Valley fall / late fall-run ESU	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	--	SSC	--	Y
<i>Spirinchus thaleichthys</i>	longfin smelt	Aquatic, estuary	ST	FC	SJCOG	N
Mammals						
<i>Perognathus inornatus</i>	San Joaquin pocket mouse	Open grassland and scrub areas on fine-textured, friable soils	--	CNDDB	SJCOG	N
<i>Sylvilagus bachmani riparius</i>	riparian brush rabbit	Dense thickets of wild rose, willows, and blackberries growing along the banks of San Joaquin and Stanislaus Rivers	SE	FE	SJCOG	N

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<i>Taxidea taxus</i>	American badger	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	SSC	--	SJCOG	N
Invertebrates						
<i>Bombus crotchii</i>	Crotch bumble bee	Open grassland and scrub communities supporting suitable floral resources.	--	SCE	--	N
<i>Bombus occidentalis</i>	western bumble bee	Found in a range of habitats, including mixed woodlands, farmlands, urban areas, montane meadows and into the western edge of the prairie grasslands	BCC	SCE	--	N
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	Vernal pools, seasonally ponded areas within vernal swales, and ephemeral freshwater habitats	FT	--	SJCOG	N
<i>Branchinecta mesovallensis</i>	midvalley fairy shrimp	Small, shallow, grass-bottomed, ephemeral vernal pools and swales; also artificial habitats such as railroad toe-drains	--	CNDDB	SJCOG	N
<i>Danaus plexippus plexippus pop. 1</i>	monarch - California overwintering population	Wind-protected tree groves with nectar sources and nearby water sources	FC	--	--	N
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	Occurs only in the Central Valley of California, in association with blue elderberry (<i>Sambucus nigra</i> ssp. <i>caerulea</i>)	FT	--	SJCOG	N
<i>Gonidea angulata</i>	western ridged mussel	Primarily creeks and rivers and, less often, lakes; originally in most of state, now extirpated from Central and Southern California	--	CNDDB	--	N
<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	Ephemeral freshwater habitats including alkaline pools, clay flats, vernal lakes, vernal pools, and vernal swales	FE	--	SJCOG	N
<i>Linderiella occidentalis</i>	California linderiella	Cool soft-water vernal pools in grasslands below 1,000 feet above mean sea level	--	CNDDB	SJCOG	N
<i>Lytta moesta</i>	Moestan blister beetle	Annual grassland, foothill woodland, and saltbush (<i>Atriplex</i> spp.) scrub in the Central Valley of California	--	CNDDB	SJCOG	N
<i>Lytta molesta</i>	Molestan blister beetle	Inhabits annual grassland, foothill woodland, and saltbush (<i>Atriplex</i> spp.) in the Central Valley of California, from Contra Costa to Kern and Tulare Counties	--	CNDDB	SJCOG	N
Reptiles						
<i>Emys marmorata</i>	western pond turtle	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	SSC	--	SJCOG	N
<i>Thamnophis gigas</i>	giant garter snake	Freshwater marsh, low-gradient streams, and canals or irrigation ditches that contain sufficient freshwater and emergent vegetation cover and upland refugia and basking habitat	ST	FT	SJCOG	N

Status Abbreviations

Y: Yes; habitat is present.
 N: No; habitat is absent.
 FE: Federally listed as endangered
 FT: Federally listed as threatened
 FPE: Federally proposed for listing as endangered
 FPT: Federally proposed for listing as threatened
 FC: Federal candidate species (former Category 1 candidates)
 FPD: Federally proposed for delisting
 BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern
 BLM: Bureau of Land Management Sensitive Species
 USFS: U.S. Forest Service Sensitive Species
 SSC: California Species of Special Concern
 FP: California Fully Protected Species
 WL: California Watch List Species
 SE: State listed as endangered
 ST: State listed as threatened
 SC: State candidate for listing as threatened or endangered
 SCE: State candidate for listing as endangered
 SCT: State candidate for listing as threatened
 SCD: State candidate for delisting

Table 6. Natural Landscape Blocks Within the Working Area

Natural Landscape Block	Acreage in the Working Area	
	Lassen	Tuolumne
Adams Peak	13,250	
Backbone Ridge	63,260	
Bald Hills	14,654	
Bald Mountain Range	6,111	
Bald Mountain/ Lake City Canyon	38,151	
Bear Mountains		36,372
Bear River		8,732
Beaver Creek Rim/ Indian Mountain	92,693	
Big Bar Mountain/ Stevens Ridge	112,904	
Big Cliff Mine	19,009	
Big Mountain Ridge		14,595
Big Valley	7,074	

Browns Creek		31,660
Butt Mountain	21,945	
Butte Valley	26,091	
Calaveras Big Trees		11,504
Cardoza Ridge		21,381
Castle Craggs	19,463	
Chaparral Hill/ Yuba River		4,325
Cherokee Creek		8,240
Cinder Butte	35,728	
Coon Creek		446
Cottonwood Peak	10,508	
Coyote Creek		13,686
Coyote Ridge		23,761
Deadwood Canyon	16,021	
Devils Parade Ground	13,040	
Diamond Mountains	28,961	
Double Head Mountain/ Timbered Ridge	227,370	
Dry Creek		32,095
Duck Creek		27,455
Duck Creek North Fork		10,642
Eastman Lake NRA		42,843
Flat Top Mountain		30,655
Fort Sage Mountains	231	
Gopher Ridge		43,044
Grizzly Mountain	20,143	
Hunter Valley Mountain		13,204
Irish Hill		6,354
Ishi Wilderness	271,824	
Lafayette Ridge/ Black Buttes		13,388
Lassen Volcanic Wilderness	117,848	

Lava Beds Wilderness	54,179	
Lightning Mountain		146,477
Little Cottonwood Pk	12,968	
Little Hot Spring Valley	32,841	
Logtown Ridge		27,102
Marble Mountains	108,799	
Marble Valley		6,755
Martin Hill	36,465	
McCloud River/ Curl Ridge	167,245	
McConaughy Gulch	22,060	
Middle Fork Cosumnes River		13,197
Mill Creek Rim	10,177	
Mooney Island	3,163	
Mosquito Ridge/ Crystal Ridge		277,506
Mount Bidwell/ Larkspur Hills	21,768	
Mount Hope	63,379	
Mt Eddy	14,139	
Mt Killmore	9,389	
Mt Shasta	64,016	
North Table Mountain	12,444	
Owens Mountain		30,723
Panther Canyon	9,648	
Pilot Butte	14,257	
Pine Ridge		38,509
Popcorn Cave	17,883	
Quartz Mountain		17,740
Reconnaissance Peak	19,499	
Red Clover Valley	3,591	
Redwood Mountain/ Pine Ridge		1,834
Salmon Mountains	58,813	

Sawtooth Ridge		81,670
Sierra Nevada		879,815
Siskiyou Mountains	30,840	
Sturdevant Ridge		17,106
Table Mountain	51,042	
Table Top Mountain		25,976
Thousand Lakes	24,052	
Timber Mountain	31,987	
Timbered Crater	28,059	
Wadsworth Flat	26,540	
Warner Mountains	255,245	