

**STUDY REPORT TR-01
SPECIAL-STATUS PLANTS**

ATTACHMENT C

SPECIAL-STATUS PLANT OCCURRENCE DATA TABLE

Table 1. Special-status plant occurrences located during the Special-Status Plants study.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
Red Hills Onion							
88	Moccasin Point Recreation Area	BLM	65% Vegetative, 35% Flower	0.003	50-75	No, but near 3974	Located within road-cut on Jacksonville Rd; Other plants seen at site: Mariposa clarkia (<i>Clarkia biloba</i> ssp. <i>australis</i>), yellow starthistle (<i>Centaurea solstitialis</i>), Italian thistle (<i>Carduus pycnocephalus</i>)
620	Poor Mans Gulch	BLM	10% Vegetative, 90% Flower	0.015	25-50	No	Located in opening of woodland; Grazing evident; Other special-status plants seen at site: Layne's ragwort (<i>Packera layneae</i>), serpentine bluecups (<i>Githopsis pulchella</i> ssp. <i>serpentinicola</i>).
635	Sixbit Gulch	BLM	100% Fruit	0.012	28	No	Located within foothill pine (<i>Pinus sabiniana</i>) woodland; Other plants seen at site: Layne's ragwort, shaggyhair lupine (<i>Lupinus spectabilis</i>); Possible grazing in area.
644	Sixbit Gulch	BLM	100% Flower	0.23	10-25	Yes; 14336	Located on rocky area adjacent to creek.
646	Sixbit Gulch	BLM	100% Flower	0.007	9	Yes; 14336	Occurrence found growing out of rock cracks within riparian area.
658	Sixbit Gulch	BLM	100% Fruit	0.007	30	No, but near 14336	Found on loose, gravely serpentine soil and at rock outcrop; Other plants seen at site: Layne's ragwort, serpentine bluecups, Congdon's lomatium (<i>Lomatium congdonii</i>), Red Hills soaproot (<i>Chlorogalum grandiflorum</i>), shaggyhair lupine, tripod buckwheat (<i>Eriogonum tripodum</i>); Recreation occurs in area.
665	Sixbit Gulch	BLM	100% Fruit	0.036	150	Yes, the edge of occurrence; 14336	Found on lower slope on rocky outcrop within serpentine/ultramafic soil; Recreation occurs in area.
670	Sixbit Gulch	BLM	100% Fruit	0.024	50	No	Found on upper slope on serpentine/ultramafic soil; Recreation occurs in area.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
676	Kanaka Point	BLM & TID/MID	100% Vegetative	0.0014	7	No	Found on serpentine/ultramafic soil; Other plants seen at site: serpentine bluecup, smooth distaff thistle (<i>Carthamus creticus</i>); Recreation occurs in area.
678	Kanaka Point	BLM & TID/MID	100% Vegetative	0.0014	200-300	No	Found on toe slope within serpentine/ultramafic soil; Other plants seen at site: serpentine bluecup, smooth distaff thistle; Livestock trail passes through occurrence; Recreation occurs in area.
Red Hills Soaproot							
622	Poor Mans Gulch	BLM	20% Vegetative, 80% Flower	0.015	25-50	No	Found within rocky opening/ridge top area; Other plants seen at site: serpentine bluecup, Layne's ragwort; Possible grazing in area.
627	Poor Mans Gulch	BLM	40% Vegetative, 60% Flower	0.015	50-100	No	Occurrence located on rocky ridge top; Other plants seen at site: serpentine bluecup, Layne's ragwort; Possible grazing in area.
629	Poor Mans Gulch	BLM	30% Vegetative, 70% Flower	0.045	25-50	No	Occurrence found in rocky openings; Other plants seen at site: serpentine bluecup, Layne's ragwort.
637	Sixbit Gulch	BLM	60% Vegetative, 40% Flower	0.012	100-250	No	Found within rocky opening of foothill pine woodland; Other plants seen at site: Layne's ragwort, Red Hills onion (<i>Allium tuolumnense</i>), shaggyhair lupine, barbed goat grass (<i>Aegilops triuncialis</i>); Possible grazing in area.
639	Sixbit Gulch	BLM	100% Vegetative	0.022	100-250	Yes; 13325	Found on rocky outcrop under foothill pine woodland; Other plants seen at site: Layne's ragwort, Red Hills onion, shaggyhair lupine, barbed goat grass; Grazing occurs in area.
650	Sixbit Gulch	BLM	50% Vegetative, 50% Flower	0.024	8	No	Found mid-slope on rock outcrop; Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecup.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
652	Sixbit Gulch	BLM	60% Vegetative, 40% Flower	0.024	10	No	Located on rock outcrop within serpentine/ultramafic soils; Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecups.
653	Sixbit Gulch	BLM	80% Vegetative, 20% Flower	0.012	15	No	Found on upper slope rocky outcrop within serpentine/ultramafic soil; Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecups, tripod buckwheat, Red Hills onion; Recreation occurs in area.
657	Sixbit Gulch	BLM	70% Vegetative, 30% Flower	0.019	150	No	Found on upper slope within serpentine/ultramafic soil, Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecups, tripod buckwheat, Red Hills onion; Recreation occurs in area.
660	Sixbit Gulch	BLM	100% Flower	0.0072	5	No	Found on rocks lining drainage; Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, tripod buckwheat, Red Hills onion; Water based recreation occurs in area.
661	Sixbit Gulch	BLM	30% Vegetative, 70% Flower	0.029	75	No	Found on upper slope within serpentine/ultramafic soil, Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecups, tripod buckwheat, Red Hills onion; Water based recreation occurs in area.
663	Sixbit Gulch	BLM	50% Vegetative, 50% Flower	0.014	300	Yes; 13325	Found mid-slope to lower slope on loose serpentine/ultramafic soil; Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecups, tripod buckwheat; Water based recreation occurs in area.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
666	Sixbit Gulch	BLM	100% Vegetative	0.014	50	No	Found on lower slope within serpentine/ultramafic soil; Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecups, tripod buckwheat, Red Hills onion; Water based recreation occurs in area.
669	Sixbit Gulch	BLM	75% Vegetative, 25% Flower	0.012	120	No	Found on upper slope within serpentine/ultramafic soil, Other plants seen at site: Layne's ragwort, Congdon's lomatium, serpentine bluecups, Red Hills onion, Mariposa cryptantha (<i>Cryptantha mariposae</i>); Recreation occurs in area.
674	Sixbit Gulch	BLM	80% Vegetative, 20% Flower	0.007	10	No but near 13325	Found within opening on serpentine/ultramafic/clay/bedrock; Other plants seen at site: Layne's ragwort, Congdon's lomatium, serpentine bluecups, Red Hills onion, Mariposa cryptantha; Recreation occurs in area.
692	Poor Mans Gulch	BLM	25% Flower, 75% Fruit	0.0003	5	No	Located on rocky outcrop; Other plants seen at site: Layne's ragwort.
694	Poor Mans Gulch	BLM	2% Vegetative, 38% Flower, 60% Fruit	0.015	58	No	Within approx. 25 yards of creek; Recreation may occur above creek.
695	Poor Mans Gulch	BLM	95% Vegetative, 5% Flower	0.015	11	No	Located on rocky outcrop on slope; Other plants seen at site: foothill Jepsonia (<i>Jepsonia heterandra</i>), Bermudagrass (<i>Cynodon dactylon</i>); Recreation may occur along creek.
697	Poor Man's Creek	BLM	90% Vegetative, 10% Flower	0.045	26	No	Located on rocky outcrop of slope; Other plants seen at site: Bermudagrass; Recreation may occur along creek; Evidence of grazing – scattered hoof prints through occurrence and nearby.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
698	Poor Man's Creek	BLM	95% Vegetative, 5% Flower	0.030	92	No	Located on rocky outcrop of slope; Other plants seen at site; Congdon's lomatium, Bermudagrass; Recreation may occur along creek.
Mariposa Clarkia							
83	Moccasin Point Recreation Area	TID/MID	100% Vegetative	0.003	18	No	Found within blue oaks/annual grassland in Moccasin campground approx. 60ft from paved roadway, approx. 40ft from foot-trail; Other plants seen at site: Italian thistle.
84	Moccasin Point Recreation Area	TID/MID	100% Vegetation	0.006	>100	No	Found within blue oak (<i>Quercus douglasii</i>)/Foothill pine savannah; Other plants seen at site: Italian thistle; Foot-trail and burn-pile approx. 20ft away.
89	Moccasin Point Recreation Area	BLM	65% Vegetative, 35% Flower	0.003	28	No	Located on slope behind roadcut of Jacksonville Rd; Other plants seen at site: Italian thistle, yellow starthistle, Red Hills onion.
92	Moccasin Transmission Line Area	BLM	100% Flower	0.006	±200	No	Located below access road for T-line extending approx 250ft from road to HWM; Other plants seen at site: Italian thistle; Transmission line and road maintenance may disturb occurrence.
368	Rogers Creek Arm	TID/MID	80% Vegetative, 20% Flower	0.0012	500	No	Found within introduced annual grassland along highway roadcut; Other plants seen at site: Medusahead grass (<i>Elymus caput-medusae</i>); Grazing in area; Recreation occurs in area.
369	Rogers Creek Arm	TID/MID	30% Vegetative, 70% Flower	0.0014	60	No	Located within highway and power line right-of-way; Other plants seen at site: Italian thistle; Road edge fire abatement may disturb occurrence.
370	Rogers Creek Arm	TID/MID & Private	50% Vegetative, 50% Flower	0.0007	2000	No	Located within highway right-of-way; Other plants seen at site: Italian thistle; Road edge fire abatement may disturb occurrence; Grazing in adjacent area.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
371	Rogers Creek Arm	TID/MID	100% Vegetative	0.002	10	No	Located within blue oak woodland/introduced annual grasslands; ; Other plants seen at site: Italian thistle; Grazing in area.
372	Rogers Creek Arm	TID/MID & Private	100% Vegetative	0.002	30	No	Located within blue oak woodland/introduced annual grasslands; Other plants seen at site: Italian thistle; Grazing in area.
373	Rogers Creek Arm	TID/MID	100% Flower	0.007	30	No	Found on highly disturbed, rocky road-fill pile; Other plants seen at site: Italian thistle.
374	Rogers Creek Arm	TID/MID	99% Vegetative, 1% Flower	0.0007	±1000	No	Located within blue oak woodland/introduced annual grasslands; ; Other plants seen at site: Italian thistle; Grazing in area; Recreation occurs in area.
375	Rogers Creek Arm	TID/MID	20% Vegetative, 80% flower	0.0007	200	No	Located within highway right-of-way; Other plants seen at site: Italian thistle; Slope failure may disturb occurrence; Herbicide spray may disturb occurrence.
376	Rogers Creek Arm	TID/MID	50% Vegetative, 50% Flower	0.005	5000	No	Located within highway right-of-way; Other plants seen at site: Italian thistle; Grazing in area; Recreation occurs in area.
377	Rogers Creek Arm	TID/MID	100% Vegetative	0.0007	50	No	Found on slope adjacent to roadway; Other plants seen at site: Italian thistle; Grazing in area; Recreation and dumping occurs in area.
378	Rogers Creek Arm	TID/MID	50% Vegetative, 50% Flower	0.0007	3000	No	Found on slope adjacent to roadway; Other plants seen at site: Italian thistle, Klamathweed (<i>Hypericum perforatum</i>), Medusahead grass; Grazing in area; Recreation occurs in area; fire abatement and road maintenance may disturb occurrence.
379	Rogers Creek Arm	TID/MID & Private	30% Vegetative, 70% Flower	0.010	>20000	No	Found on island slope; Other plants seen at site: Italian thistle; Grazing in area; Recreation occurs in area.

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380	Rogers Creek Arm	TID/MID	20% Vegetative, 80% Flower	0.004	50	No	Occurrence found on both sides of fence line in annual grassland; Other plants seen at site: Italian thistle; Grazing in area; Recreation occurs in area.
381	Rogers Creek Arm	TID/MID	40% Vegetative, 60% Flower	0.010	50	No	Located within blue oak woodland/annual grasslands; Other plants seen at site: Italian thistle; Grazing in area; Recreation occurs in area.
382	Rogers Creek Arm	TID/MID	95% Vegetative, 5% Flower	0.003	20	No	Located within blue oak woodland/annual grasslands; Other plants seen at site: Italian thistle; Grazing in area; Recreation occurs in area.
383	Rogers Creek Arm	TID/MID	30% Vegetative, 70% Flower	0.0007	100	No	Found at base of roadfill pile; Other plants seen at site: Italian thistle; Grazing in area; Recreation occurs in area.
384	Rogers Creek Arm	TID/MID	100% Flower	0.0001	3	No	Located within blue oak woodland/annual grasslands; Other plants seen at site: Italian thistle; Grazing in area; Recreation occurs in area.
385	Rogers Creek Arm	TID/MID	20% Vegetative, 80% Flower	0.0008	3000	No	Occurs along road and above roadcut for highway and power line right-of-way; Other plants seen at site: Italian thistle, Klamathweed; Power line and road maintenance may disturb occurrence.
386	Rogers Creek Arm	TID/MID	30% Vegetative, 60% Flower	0.002	500	No	Found along roadway; Other plants seen at site: Michael's rein orchid; Power line and road maintenance may disturb occurrence.
391	Shawmut Road	TID/MID	75% Flower, 25% Fruit	0.0043	1000	No	Found on cut-slope in rocky substrate and on talus slopes below HWM; Abandoned roadway near occurrence.
392	Shawmut Road	TID/MID	50% Flower, 50% Fruit	0.0006	100	No	Found in small openings below road, extending approx. 80ft along roadway; unable to survey entire reach of occurrence; Other plants seen at site: Tree-of-Heaven; Dumping observed in area.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
Mariposa Cryptantha							
71	Kanaka Point	BLM	40% Vegetative, 40% Flower, 20% Fruit	0.007	80	No	Found on rocky, serpentine soil.
72	Kanaka Point	BLM & TID/MID	100% Vegetative	0.22	50-100	No	Found on rocky knoll adjacent to parking area; Other plants seen at site: serpentine bluecups; Recreation may disturb occurrence.
73	Kanaka Point	BLM	10% Vegetative, 90% Flower	0.76	100-200	No	Patchy throughout rocky area; Other plants seen at site: Italian thistle; Recreation will disturb occurrence – foot path through occurrence.
86	Moccasin Point Recreation Area	BLM	15% Vegetative, 30% Flower, 55% Fruit	0.06	1000	No	Throughout rocky, disturbed area behind marina storage units; Other plants seen at site: serpentine bluecups, Yellow starthistle; Maintenance in area will disturb occurrence.
671	Sixbit Gulch	BLM	50% Flower, 50% Fruit	0.17	100	No	Found on rocky, serpentine/ultramafic soils; Other plants seen at site: serpentine bluecups, Layne's ragwort, Congdon's lomatium, Red Hills soaproot, Red Hills onion; Recreation will disturb occurrence.
684	Railroad Canyon	BLM	10% flower, 90% Fruit	0.009	500	No	Located on rock shelf starting at HWM extending upslope.
686	Railroad Canyon	BLM	10% Flower, 90% Fruit	±0.008	200	No	Located on rock shelf just above HWM – may extend upslope. Unable to access entire occurrence; Other plants seen at site: foothill Jepsonia.
687	Railroad Canyon	BLM	100% Flower	0.0023	50	No	Located on rock shelf just above HWM – may extend upslope and into surrounding areas. Unable to access entire occurrence.
689	Railroad Canyon	BLM	20% Flower, 80% Fruit	0.005	50	No	Located just above HWM – may extend upslope and into surrounding areas. Unable to access entire occurrence; Natural slumping will disturb occurrence.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
690	Railroad Canyon	BLM	20% Flower, 80% Fruit	0.017	50	No	Located just above HWM and extends upslope.
Tripod Buckwheat							
643	Sixbit Gulch	BLM	100% Flower	0.014	50-100	No	Located within rocky area just above HWM; Other plants seen at site: Barbed goatgrass.
662	Sixbit Gulch	BLM	100% Flower	0.029	20	No	Found along dry creek bed; Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecups, Red Hills Soaproot, Red Hills onion; water based recreation occurs in area.
664	Sixbit Gulch	BLM	100% Flower	0.014	>150	No	Found along dry creek bed; Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecups, Red Hills Soaproot, Red Hills onion; water based recreation occurs in area.
667	Sixbit Gulch	BLM	100% Flower	0.012	7	No	Found along dry creek bed; Other plants seen at site: Layne's ragwort, shaggyhair lupine, Congdon's lomatium, serpentine bluecups, Red Hills Soaproot, Red Hills onion; water based recreation occurs in area.
Congdon's Lomatium							
623	Poor Mans Gulch	BLM	29% Vegetative, 1% Flower, 70% Fruit	0.015	100-200	No	Found on rocky, steep serpentine slope; Other plants seen at site: Layne's ragwort, serpentine bluecups, Red Hills soaproot; Grazing occurs in area.
642	Sixbit Gulch	BLM	30% Vegetative, 10% Flower, 50% Fruit	0.014	60	No, but near 13982	Located just above HWM extending upslope; Other plants seen at site: Red Hills soaproot, shaggyhair lupine, Layne's ragwort, Bermudagrass.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
649	Sixbit Gulch	BLM & TID/MID	10% Flower, 90% Fruit	0.014	75-100	No	Located mid-slope on serpentine/ultramafic soils; Other plants seen at site: Red Hills soaproot, shaggyhair lupine, Layne's ragwort, serpentine bluecups.
651	Sixbit Gulch	BLM	100% Fruit	0.04	5	No	Located mid-slope on serpentine/ultramafic soils; Other plants seen at site: Red Hills soaproot, shaggyhair lupine, Layne's ragwort, serpentine bluecups.
655	Sixbit Gulch	BLM	40% Vegetative, 60% Fruit	0.04	20	No	Located on upper slope on serpentine/ultramafic soils; Other plants seen at site: Red Hills soaproot, shaggyhair lupine, Layne's ragwort, serpentine bluecups, Red Hills onion, tripod buckwheat.
673	Sixbit Gulch	BLM	100% Fruit	0.0072	15	No, but near 13982	Found on serpentine rock outcrop; Other plants seen at site: Red Hills soaproot, Red Hills onion, Layne's ragwort, serpentine bluecups, Mariposa cryptantha.
699	Poor Mans Gulch	BLM	70% Vegetative, 30% Fruit	0.03	25	No	Found on serpentine/ultramafic soils; Other plants seen at site: Red Hills soaproot; Recreation/hiking may disturb occurrence; Grazing occurs in area.
Shaggyhair Lupine							
633	Sixbit Gulch	BLM & TID/MID	5% Vegetative, 5% Flower, 90% Fruit	0.040	1000-2000	No	Found alone serpentine shoreline below HWM extending upslope; Other plants seen at site; Red Hills soaproot, Congdon's lomatium, Red Hills onion, barbed goatgrass, Bermudagrass..
668	Sixbit Gulch	TID/MID	100% Fruit	0.0044	1	No	Located below HWM on ultramafic bedrock; Other plants seen at site; Red Hills soaproot, Congdon's lomatium, Layne's ragwort, tripod buckwheat, serpentine bluecups. Recreation may disturb occurrence.
679	Railroad Canyon	BLM	100% Fruit	0.05	75-100	No	Found immediately above cutbank from high water waves; Other plants seen nearby: Bermudagrass.

Occurrence Number	Site Name	Ownership	Phenology	Approximate Area (acre)	Plant Count	Existing CNDDDB record? (Y/N)	Occurrence Description
680	Railroad Canyon	BLM	100% Fruit	0.022	50	No	Located on very steep rock outcrop just above HWM.
681	Railroad Canyon	TID/MID	100% Fruit	0.014	35	No	Located on very steep rock outcrop just above HWM; Recreation (boating) may disturb occurrence.
682	Railroad Canyon	TID/MID	Not recorded	±0.073	100-300	No	Observed occurrence from boat; very steep location – unable to access.
683	Railroad Canyon	BLM	100% Fruit	0.014	100	No	Found on rock outcrop above HWM extending upslope.
Red Hills Ragwort							
83	Recreation Bay	TID/MID	50% Vegetative, 50% Flower	0.009	18	No	Found within riparian corridor in foothill woodland as well as observed in adjacent private lands with grazing; Other plants seen nearby; Italian thistle; Recreation may disturb occurrence; Grazing occurs on adjacent lands – evidence of recent cow activity in immediate area of occurrence.
645	Sixbit Gulch	BLM	20% Vegetative, 80% Flower	0.0072	100-250	Yes; 3859	Found along edge of riparian corridor; Other plants seen at site: Layne's ragwort, Red Hills soaproot, shaggyhair lupine, barbed goatgrass, Bermudagrass.