

## **APPENDIX 5C**

### **TES PLANT SPECIES OCCURRENCE RECORDS FOR THE KLAMATH STUDY AREA**



Appendix Table 5C-1. TES plant species occurrence records for the Klamath study area.

TES Plant Species	Occurrence Label	Project Segment	2002 BLM Occ. Rec.	2001 ONHP Occ. Rec.	2002 CNDDDB Occ. Rec.	New Occ.	Study Area	Comments*
<i>Astragalus applegatei</i>	ASAP-1	KR	N	N?	na	Y?	P	RD, EH, MW, JV 56-60 plants in flower and in fruit in July of 2002. Adjacent to pasture - unfenced. New occurrence record? ONHP mapping was scrambled.
<i>Calochortus greenii</i>	CAGR-1	IG	N	na	Y	N	P	MW, RD, Known pop. - Several plants in flower on 7/8.
<i>Calochortus greenii</i>	CAGR-2	F	N	na	Y	N	P	MW, RD. Known pop. - Leaves observed on 6/1 but no plants observed on 7/8 .
<i>Calochortus greenii</i>	CAGR-3	IG	N	na	N	Y	P	RD, New pop. - Leaves observed 5/6 and fruit on 7/8.
<i>Calochortus greenii</i>	CAGR-4	IG	N	na	N	Y	P	RD, New pop. - Leaves observed on 5/6 but not found in flr on 7/8 - intense grazing pressures in Long Gulch.
<i>Calochortus greenii</i>	CAGR-5	IG	N	na	Y	N	P	RD, CM Known pop. - Leaves only on 5/6 but not observed in flower during later surveys.
<i>Calochortus greenii</i>	CAGR-6	IG	N	na	Y	N	P	Known pop. - No plants were observed during 5/6, 6/1 and 7/8 survey
<i>Calochortus greenii</i>	CAGR-7	IG	N	na	Y	N	P	Known pop. re-visited on 7/8 when no plants were found
<i>Calochortus greenii</i>	CAGR-8	IG	N	na	Y	N	P	Known pop. re-visited on 7/8 when no plants were found
<i>Calochortus greenii</i>	CAGR-9	IG	N	na	Y	N	P	Known pop. re-visited on 7/8 when no plants were found
<i>Calochortus greenii</i>	CAGR-10	FF	Y	na	Y	N	P/S	MW, RD confirmed presence. Many small to large leaves observed
<i>Calochortus greenii</i>	CAGR-11	FF	Y	na	N	N	S	Known pop. not visited, out of primary SA, lower priority.
<i>Calochortus greenii</i>	CAGR-12	FF	Y	na	N	N	S	Known pop. not visited, out of primary SA, lower priority.
<i>Calochortus greenii</i>	CAGR-13	FF	Y	na	N	N	S	Known pop. not visited, out of primary SA, lower priority.
<i>Calochortus greenii</i>	CAGR-14	FF	Y	na	N	N	S	Known pop. not visited, out of primary SA, lower priority.

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<i>Calochortus greenii</i>	CAGR-15	FF	Y	na	N	N	S	Known pop. not visited, out of primary SA, lower priority.
<i>Calochortus greenii</i>	CAGR-16	FF	N	na	Y	N	S	Known pop. not visited, out of primary SA, lower priority.
<i>Calochortus greenii</i>	CAGR-17	FF	N	na	Y	N	S	Known pop. not visited, out of primary SA, lower priority.
<i>Calochortus greenii</i>	CAGR-18	FF	Y	na	N	N	S	Known pop. not visited, out of primary SA, lower priority.
<i>Calochortus greenii</i>	CAGR-19	FF	Y	na	N	N	S	Known pop. not visited, out of primary SA, lower priority.
<i>Calochortus greenii</i>	CAGR-22	IG	N	na	N	Y	P	marked on map - CM handwriting - ca. 20 plants, leaves only early on; only a few plants flowered, many small leaves desiccated
<i>Calochortus greenii</i>	CAGR-21	IG	N	na	N	Y	P	MW, RD New Pop. - Leaves of two plants observed on 7/8
<i>Calochortus greenii</i>	CAGR-20	FC	N	na	N	Y	P	JH, EH New pop. - Leaves observed on 5/6 but not able to re-locate on 7/8.
<i>Calochortus greenii</i>	CAGR-23	FF	Y	na	Y	N	S	Known population not visited
<i>Cypripedium montanum</i>	CYMO-1	FF	Y	Y	na	N	P	RD, EH Revisited known population, 20-30 plants observed, in flr. polygon approximate.
<i>Helianthus bolanderi</i>	HEBO-1	FF	Y	na	N	N	P	MW, RD did not re-locate known pop. following three visits June/July.
<i>Helianthus bolanderi</i>	HEBO-2	FF	Y	N	na	N	P	KB, CM found young plants of <i>Helianthus</i> later turned out to be HEBO
<i>Helianthus bolanderi</i>	HEBO-3	IG	N	na	N	Y	S	MW, RD 35-40 plants observed in drainage above and below road
<i>Heliotropium curvassavicum</i>	HECU-1	KR	N	N	na	Y	P	CM, KB, BH New pop
<i>Heliotropium curvassavicum</i>	HECU-2	KR	N	N	na	Y	P	CM, KB, BH New pop
<i>Heliotropium curvassavicum</i>	HECU-3	KR	N	N	na	Y	P	CM, KB, BH New pop

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<i>Heliotropium curvassavicum</i>	HECU-4	KR	N	N	na	Y	P	CM, KB, BH New pop
<i>Heliotropium curvassavicum</i>	HECU-5	KR	N	N	na	Y	P	RD, CM New pop
<i>Limnanthes floccosa ssp. bellingerana</i>	LIFLB-1	FF	N	Y	na	N	S	Known pop. did not visit, out of primary SA, lower priority.
<i>Mimulus pygmaeus</i>	MIPY-1	JB	N	N	na	Y	P	CM, KB New pop.
<i>Mimulus pygmaeus</i>	MIPY-2	JR	N	N	na	Y	P	CM, KB New pop.
<i>Mimulus pygmaeus</i>	MIPY-3	JR	N	N	na	Y	P	CM, KB New pop. Unsure of mapped location - polygon not clear - Look for habitat.
<i>Mimulus pygmaeus</i>	MIPY-4	JB	N	N	na	Y	P	CM, KB, MW, BH New pop.
<i>Mimulus pygmaeus</i>	MIPY-5	JR	N	N	na	Y	P/S	BH, MW New pop. - ca 20 plants
<i>Perideridia erythrorhiza</i>	PEER-1	FF	Y	N	na	N	P/S	RD, CM, KB, EH - Unconfirmed ID. (Susan Gleason pop.)
<i>Perideridia erythrorhiza</i>	PEER-2	FF	Y	N	na	N	S	Known pop. did not visit, out of primary SA, lower priority, (Susan Gleason population, she reports PERORE also)
<i>Perideridia erythrorhiza</i>	PEER-3	FF	N?	na	N	Y	P/S	RD, KB, CM, EH observed ~100 plants. October collection of mature fruit indicate <i>Perideridia gairdneri</i> .
<i>Perideridia erythrorhiza</i>	PEER-4	FF	Y	na	N	N	S	RD, KB, CM, EH observed many plants. October collection of mature fruit indicate <i>Perideridia gairdneri</i> . (Susan Gleason populations)
<i>Perideridia erythrorhiza</i>	PEER-5	FF	Y	N	na	N	S	We searched for this green strip of moist meadow with a dry meadow fringe. Plants not found.
<i>Perideridia erythrorhiza</i>	PEER-6	FF	Y	na	na	N	S	Known pop. did not visit, out of primary SA, lower priority. (PEER-SG13)
<i>Perideridia erythrorhiza</i>	PEER-7	FF	Y	na	na	N	S	Known pop. did not visit, out of primary SA, lower priority - (PEER-SG12)
<i>Perideridia erythrorhiza</i>	PEER-8	FF	Y	N	na	N	P	RD, EH, No <i>Perideridia</i> found in this small wet meadow during two site surveys. Plants not found.
<i>Perideridia erythrorhiza</i>	PEER-9	JB	Y	N	na	N	P	CM, KB Known pop. but no plants found - PEER habitat here is better than PEER-10 but only PERORE observed here. Susan Gleason pop.

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<i>Perideridia erythrorhiza</i>	PEER-10	JB	Y	N	na	N	P	CM, KB Known pop. but no plants found - marginal PEER habitat (too dry) observed here. PERORE was here. Susan Gleason pop. note say both species here
<i>Perideridia erythrorhiza</i>	PEER-11	JR	Y	N	na	N	P	CM, KB BLM pop.; fusiform root cluster. Unconfirmed ID. (Susan Gleason pop.)
<i>Perideridia erythrorhiza</i>	PEER-12	JR	N	N	na	Y	P	CM, KB New pop. early bloom probably PERORE; Unconfirmed ID.
<i>Perideridia erythrorhiza</i>	PEER-13	JR	N	N	na	Y	P	CM, KB Possible new pop. but only very dense PERORE observed for sure. Habitat pretty dry- low likelihood of PERERY
<i>Perideridia erythrorhiza</i>	PEER-14	KC	N	N	na	Y	P	KB, CM, EH, RD New pop - Unconfirmed ID
<i>Perideridia erythrorhiza</i>	PEER-15	KC	N	N	na	Y	P	EH, RD New pop - Unconfirmed ID.
<i>Perideridia erythrorhiza</i>	PEER-16	KC	N	N	na	Y	P	EH, RD New pop - Unconfirmed ID.
<i>Perideridia erythrorhiza</i>	PEER-17	FF	Y	N	na	N	P	KB, RD, CM, EH 100-200 <i>Perideridia</i> seen on 7/8 - October collection of mature fruit indicate <i>Perideridia gairdneri</i> .
<i>Perideridia howellii</i>	PEHO-1	FF	N	N	na	1	S	RD, EH. ca. 50 plants above road. New pop.
<i>Perideridia howellii</i>	PEHO-2	FF	N	N	na	Y	P	CM, KB, 1000s of plant to canyon edge down the slope under RD to flat next to river. New pop.
<i>Perideridia howellii</i>	PEHO-3	FF	N	Y	N	N	P/S	KB, CM, plants down to river, New pop.
<i>Perideridia howellii</i>	PEHO-4	FF	Y	N	na	N	S	KB, RD, CM, EH we visited this site but only looked above road, Known pop.
<i>Perideridia howellii</i>	PEHO-5	FF	Y	na	N	N	P/S	RD, KB, CM, EH re-visited known pop. Poly is partially estimated boundary - Re-check for ID.
<i>Perideridia howellii</i>	PEHO-6	FF	N	na	N	Y	P	EH, RD gps coords. way off. on second visit to site no plants could be found. cobble bar/streamside meadow was completely grazed since our previous vi
<i>Perideridia howellii</i>	PEHO-7	CR	N	na	na	Y	P	RD, CM 18 plants; 9 dead and 2 in bud. spring dried up early this season leaving plants crisp.

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<i>Perideridia howellii</i>	PEHO-8	FF	Y	N	N	N	S	Known pop. did not visit, out of primary SA, lower priority, PEER-2 reported here as well.
<i>Perideridia howellii</i>	PEHO-9	JR	Y	N	na	N	P	CM, KB, MW, BH found MIPY - No PEHO was observed at this BLM location.
<i>Rorippa columbiae</i>	ROCO-1	KR	N	N?	na	Y?	P	RD, EH New occurrence record? ONHP mapping was scrambled. Collected voucher.
<i>Salvi dorii</i> var. <i>incana</i>	SADOI-1	IG	N	na	N	Y	P	CM, RD; some leaves of both varieties S.d. var <i>incana</i> and S.d. var. <i>dorii</i>
<i>Salvi dorii</i> var. <i>incana</i>	SADOI-2	IG	N	na	N	Y	P	JH, EH; some leaves of both varieties S.d. var <i>incana</i> and S.d. var. <i>dorii</i>
<i>Salvi dorii</i> var. <i>incana</i>	SADOI-3	IG	N	na	N	Y	P	JH, EH; some leaves of both varieties S.d. var <i>incana</i> and S.d. var. <i>dorii</i> .
<i>Salvi dorii</i> var. <i>incana</i>	SADOI-4	IG	N	na	N	Y	P	RD; some leaves of both varieties S.d. var <i>incana</i> and S.d. var. <i>dorii</i>
<i>Salvi dorii</i> var. <i>incana</i>	SADOI-5	LR	N	na	N	Y	P	RD, CM; lower river reach; some leaves of both varieties S.d. var <i>incana</i> and S.d. var. <i>dorii</i>
<i>Scirpus pendulus</i>	SCPE-1	FC	N	na	N	Y	P	RD, EH 2 flowering stems and several vegetative shoots
<i>Scirpus pendulus</i>	SCPE-2	FF	N	N	na	Y	S	RD, EH 16 flowering stems. vegetative shoots hidden in dense meadow herb layer
<i>Scirpus pendulus</i>	SCPE-3	FF	N	N	na	Y	P	RD, EH 8 flowering stems and a few somewhat hidden vegetative shoots observed.
<i>Silene lemmonii</i>	SICA-1	FF	Y	na	N	N	P	The <i>Silene</i> found in this area keyed to <i>S. campanulatum</i> . Unlikely that this is <i>Silene lemmonii</i> . Known pop. but suspect ID?
<i>Silene lemmonii</i>	SICA-2	FF	Y	na	N	N	S	Known pop. did not visit, out of primary SA, lower priority.
<i>Silene lemmonii</i>	SICA-3	FF	Y	N	na	N	P	RD, EH did not re-locate any <i>Silene</i> in this area although habitat is suitable. Plants not found.
<i>Thelypodium brachycarpum</i>	THBR-1	KR	N	N?	na	Y?	P	RD, EH, JV, MW - several hundred plants observed in fruit in October
<i>Thelypodium brachycarpum</i>	THBR-2	KR	N	N?	na	Y?	P	RD, EH, JV, MW - several hundred plants observed in fruit in October
<i>Thelypodium brachycarpum</i>	THBR-3	KR	N	N?	na	Y?	P	RD, EH, KB, CM, BH, MW: Shares habitat with ASAP, sparse distribution, plants in flower early and fruiting on last round of surveys

\* RD = Richard Dwerlkotte, CM = Colleen Mc Shane, KB = Katey Beck, JH = John Hale, EH = Eric Haunreiter, MW = Misa Ward, BH = Bonnie Hendricks