

APPENDIX B BOTANICAL RESOURCES

Table of Contents

	Page No.
Table B-1. Federal and State Status, Forest Service Endemism, Global Distribution, and National Forest Distribution of the TEPSCS Plant Species for Upper and Lower East Fork Allotments	B-2
Table B-2. Habit, Lifeform, Population Trend, and Habitat Grouping of the TEPSCS Plant Species for Upper and Lower East Fork Allotments	B-3
Table B-3. Impacts to Plants for the TEPSCS Plant Species for the Upper and Lower East Fork Allotments	B-4
Table B-4. Alteration of Ecological Factors for the TEPSCS Plant Species for Upper and Lower East Fork Allotments	B-5
Table B-5. Habitat Reduction Threats for the TEPSCS Plant Species for the Upper and Lower East Fork Allotments	B-6
Table B-6. Botanical Literature Cited.....	B-7

Table B-1. Federal and State Status, Forest Service Endemism, and Global distribution of the TEPCS Plant Species for the Upper and Lower East Fork Allotments

Species Name	Common Name	Global ¹	State ²	Status ³		Global Distribution ⁴
<i>Botrychium lineare</i>	Slender Moonwort	C-G1	SH	Candidate		sd
<i>Spiranthes diluvialis</i> Sheviak	Ute's ladies-tresses	T - G2	S?	Threatened		sd
				Current	Proposed	
<i>Artemisia campestris</i> ssp. <i>borealis</i> var. <i>purshi</i> (Hook) Cronquist	Northern sagewort	G5/T5	S1	W	S	le
<i>Astragalus amblytropis</i> Barneby	Challis milkvetch	G3	S3	N	W	le
<i>Astragalus vexilliflexus</i> Sheld. var. <i>nubilus</i> Barneby	White Cloud milkvetch	G4/T2	S2	S	S	le
<i>Carex breweri</i> ssp. <i>paddoensis</i> (Suksd.) Cronq.	Brewer's sedge	G4T4	SS	N	S	d
<i>Draba globosa</i> Payson	Pointed/rockcress draba	G3G4	S2	N	S	d
<i>Primula incana</i> M.E. Jones	Silvery/Jones' primrose	G4G5	S1	N	S	sd
<i>Salix farriae</i> Ball.	Farr's willow	G4	S2	N	S	d
<i>Saxifraga adscendens</i> L. ssp. <i>oregonensis</i> (Raf.) Breit.	Wedge-leaf saxifrage	G4T4	SMN	N	S	le

Global¹ = Global ranking as assigned by Natural Heritage Program and Idaho Native Plant Society.

T = threatened,

PT = proposed threatened,

C = candidate

State² = Idaho State ranking, Idaho Native Plant Society Rare Species list 2000; * = Utah State ranking, Utah Natural Heritage Program, 2000.

Endemic FS lands³ = Species found only on National Forest Lands.

Y = yes, **N** = no.

Global Distribution⁴ = **d** =disjunct, **le** = local endemic (< 100 square miles), **re** = regional endemic (distribution 100-10,000), **sd** = sparsely distributed (isolated populations), **p** = peripheral, **w** = widespread, **cb** = circumboreal, circumpolar.

National Forest Distribution⁵ = PH = potential habitat

Table B-2. Habit, Lifeform, Population Trend, and Habitat Grouping of the TEPS Plant Species for the Upper and Lower East Fork Allotments

Species Name	Common Name	Habit	Lifeform	Trend ¹	Habitat Group
<i>Botrychium lineare</i>	Slender Moonwort	Perennial	Fern	S	Alpine, forestland, grassland
<i>Spiranthes diluvialis</i> Sheviak	Ute's ladies-tresses	Perennial	Herb	Unknown	Aquatic/riparian
<i>Artemisia campestris</i> ssp. <i>borealis</i> var. <i>purshii</i> (Hook) Cronquist	Northern sagewort	Perennial	Shrub	S	Alpine
<i>Astragalus amblytropis</i> Barneby	Challis milkvetch	Perennial	Herb	S	Shrublands
<i>Astragalus vexilliflexus</i> Sheld. var. <i>nubilus</i> Barneby	White Cloud milkvetch	Perennial	Herb	D	Subalpine -rock
<i>Carex breweri</i> ssp. <i>paddoensis</i> (Suksd.) Cronq.	Brewer's sedge	Perennial	Sedge	S	Grassland, high elev.
<i>Draba globosa</i> Payson	Pointed/rockcress draba	Perennial	Herb	S	Alpine
<i>Primula incana</i> M.E. Jones	Silvery/Jones' primrose	Perennial	Herb	S	Riparian - meadow
<i>Salix farriae</i> Ball.	Farr's willow	Perennial	Shrub	D	Subalpine/riparian
<i>Saxifraga adscendens</i> L. ssp. <i>oregonensis</i> (Raf.) Breit.	Wedge-leaf saxifrage	Perennial	Herb	S	Alpine, rock

Trend¹ : D = declining on National Forest lands,
 S = stable on National Forest Lands,
 I = increasing on National Forest lands, and
 Unknown = trend not currently known.

Table B-3. Threats – Impacts to Plants for the TEPSCS Species for plant species for the Upper and Lower East Fork Allotments

SPECIES NAME	Grazing	Recreation	ORV's	Hiking/Trampling	Rock Climbing	Chemical Treatment	Logging	Collection	Fire Suppression	No Information	No Known Threats	SUMMARY	REFERENCES
<i>Botrychium lineare</i>	2		2	2		2	2	2			Destruction of mycor. association	104, 105, 120, 122, 124	
<i>Spiranthes diluvialis</i>	2	1	2			2					Cattle, ORV's herbicide drift	4, 395-412	
<i>Artemisia campestris ssp. borealis var. purshii</i>									x		no information		
<i>Astragalus amblytropis</i>	1		1			2					herbicide drift, cattle congregation,	68, 69	
<i>Astragalus vexilliflexus var. nubilus</i>	2	2	2	2							hiking, biking, ORVs	93,94, 96-102	
<i>Carex breweri ssp. Paddoensis</i>	2										overgrazing - cattle sheep	148	
<i>Draba globosa</i>									x	none currently known		4, 185	
<i>Primula incana</i>	2										cattle grazing heavy in wetlands	4, 152, 256,	
<i>Salix farriae</i>	1										overgrazing and trampling by cattle	338	
<i>Saxifraga adscendens ssp. oregonensis</i>									x	none currently known, isolated area		98, 248, 341, 474	

Table B-4. Threats –Alteration of Ecological Factors for the TEPCS Species for the Upper and Lower East Fork Allotments

SPECIES NAME	Fire Exclusion	Fire Inclusion	Genetic Purity	Changes in Hydrology	Insects/Disease	Loss of Pollinators	Non-native Species	Natural Conditions	Pollution	Seed Bank	Succession	No Information	No Known Threats	SUMMARY	REFERENCES
	2				1					1			x		
<i>Botrychium lineare</i>															104, 105, 120, 122, 124
<i>Spiranthes diluvialis</i>			3		2	1								changes in hydrology, non-natives, pollinator loss	4, 395-412
<i>Artemisia campestris ssp. borealis var. purshii</i>												x		no information	
<i>Astragalus amblytropis</i>						1			1					Leafy spurge, seed bank fluctuations	68, 69
<i>Astragalus vexilliflexus var. nubilus</i>							1							very small populations, threats high	34, 93, 96-102
<i>Carex breweri ssp. paddoensis</i>						2								exotic species invasion	148, 149
<i>Draba globosa</i>							1							small populations	4, 184, 185
<i>Primula incana</i>			1											changes in hydrology due to sewage, grazing	4, 152, 256,
<i>Salix farriae</i>			1											changes in hydrology, overuse	98, 338
<i>Saxifraga adscendens ssp. oregonensis</i>											x		none currently known- isolated populations	30, 98, 248, 341, 34 2, 474	

Table B-5. Threats –Habitat Reduction for the TEPSCS Species for the Upper and Lower East Fork Allotments

SPECIES NAME	Agriculture	Energy	Facilities	Military Activities	Mining Activities	Road Const. & Maint.	Ski areas	Transmission Lines	Trail construction	Urban development	Timber harvest	No Information	No Known Threats	Chapter 3 SUMMARY	REFERENCES
<i>Botrychium lineare</i>					2					2					104, 105, 120, 122, 124
<i>Spiranthes diluvialis</i>	2				1				2					conversion to agriculture, road cons., urban dev.	4, 395-412
<i>Artemisia campestris ssp. borealis var. purshii</i>											x			no information	
<i>Astragalus amblytropis</i>				1	1									mining in area, road construction	68, 69
<i>Astragalus vexilliflexus var. nubilus</i>				2	1									mining and road maintenance	93,94, 96-102
<i>Carex breweri ssp. padoensis</i>										x				no information	
<i>Draba globosa</i>										x				none currently known	4, 185
<i>Primula incana</i>		2												sewage ponds, destruction of habitat	4, 152, 256,
<i>Salix farriae</i>										x				no information	338
<i>Saxifraga adscendens ssp. oregonensis</i>					2									mining within area would disturb populations	98, 248, 341, 474

Table B-6. Botanical Literature Cited

Scientific Name	Authors	Year	Title	Source	Ref. ID # ¹
<i>Artemisia campestris</i> ssp. <i>borealis</i> var. <i>purshii</i>	Cronquist, A.	1950	Notes on the Compositae of the Northwestern United States.	Leaflets of Western Botany Vol. VI, No. 2: 41-50.	66
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Barneby, R.C.	1964	Atlas of North American <i>Astragalus</i> .	Memoirs of the New York Botanical Garden Vol. 13. The New York Botanical Garden, Bronx, NY. 1188 pp.	74
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Dorn, R.D.	1988	Vascular plants of Wyoming.	Mountain West Publishing, Cheyenne, WY. 340 pp.	92
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Greystone	1994	Biological evaluation for sensitive plant species: <i>Astragalus vexilliflexus</i> var. <i>nubilus</i> , White Cloud Milkvetch.	Unpublished report prepared for Payette National Forest, McCall, ID.	93
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Hitchcock, C.L., A. Cronquist, M. Ownbey, and J.W. Thompson	1961	Vascular plants of the Pacific Northwest. Part 3. Saxifragaceae to Ericaceae.	University of Washington Press, Seattle. 614 pp.	77
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Idaho Native Plant Society	1990	Results of the sixth annual rare plant meeting, March 1990.	Unpublished report, Idaho Conservation Data Center, Boise, ID. 5 pp.	20
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Idaho Native Plant Society	1994	Results of the tenth annual Idaho Rare Plant Conference.	Unpublished manuscript the Conservation Data Center, Boise, ID.	95
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Mancuso, M. and R.K. Moseley	1990	Field investigation of <i>Astragalus vexilliflexus</i> var. <i>nubilus</i> (White Cloud Milkvetch), a Region 4 Sensitive Species on the Sawtooth National Forest.	Unpublished report, Idaho Conservation Data Center, Boise, ID. 12 pp. plus appendices	96
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Moseley, R.K. and M. Mancuso	1994b	Report on the conservation status of <i>Astragalus vexilliflexus</i> var. <i>nubilus</i> .	Unpublished report, Idaho Conservation Data Center, Boise, ID. 22 pages plus appendices.	97
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Spahr, R. L. Armstrong, D. Atwood, and M. Rath	1991	Threatened, endangered, and sensitive species of the intermountain Region.	US Forest Service, Intermountain Region, Ogden, UT.	98
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Steele, R.	1977	<i>Astragalus vexilliflexus</i> var. <i>nubilus</i> page 42. In Endangered and threatened plants of Idaho - A summary of current knowledge, By the rare and endangered plants technical comm. of the ID Nat. Areas Council	Bulletin No. 21. Forest, Wildlife, and Range Experimental Station, Univ. of Idaho, Moscow.	99
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Steele, R.	1981	<i>Astragalus vexilliflexus</i> var. <i>nubilus</i> page 42. In Endangered and threatened plants of Idaho - A summary of current knowledge, By the rare and endangered plants technical comm. of the ID Nat. Areas Council	Bulletin No. 34. Forest, Wildlife, and Range Experiment Station, Univ. of Idaho, Moscow.	100
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	Steele, R., R.D. Pfister, R.A. Ryker, and J.A. Kittams	1981	Forest Habitat types of central Idaho.	General Technical Report INT-114. USDA, Forest Service, Intermountain. Research Station, Ogden, UT.138 pp.	60
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	US Fish and Wildlife Service	1990	Endangered and threatened wildlife and plants: Review of plant taxa for listing as endangered or threatened species.	Notice of Review. Federal Register 50 CFR Part 17: 6184-6229 (Wednesday, 21 February 1990).	101
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	US Fish and Wildlife Service	1993	Plant taxa for listing as endangered or threatened species: notice of review.	Federal Register 50 CFR Part 17: 51144-51190 (September 30, 1993).	102

Scientific Name	Authors	Year	Title	Source	Ref. ID # ¹
<i>Astragalus vexilliflexus</i> var. <i>nubilus</i>	USDA Forest Service	1988	Sensitive plant program handbook.	R-4 FSH 2609.25 Intermountain Region, Ogden, UT.	34
<i>Botrychium lineare</i>	Johnson-Groh, C.L. and D.R. Farrar	1993a	Population Dynamics of Prairie Moonworts (<i>Botrychium</i> subgenus <i>Botrychium</i>).	American Journal of Botany 80: 109.	104
<i>Botrychium lineare</i>	Johnson-Groh, C.L. and D.R. Farrar	1993b	The Effects of fire on Prairie Moonworts (<i>Botrychium</i> subgenus <i>Botrychium</i>).	American Journal of Botany 80: 134.	105
<i>Botrychium lineare</i>	Johnson-Groh, C.L. and D.R. Farrar	1993b	The Effects of fire on Prairie Moonworts (<i>Botrychium</i> subgenus <i>Botrychium</i>).	American Journal of Botany 80: 134.	105
<i>Botrychium lineare</i>	Wagner, W.H. and F.S. Wagner	1981	New species of moonworts, <i>Botrychium</i> subg. <i>Botrychium</i> (Ophioglossaceae) from North America.	American Fern Journal 71: 20-30	120
<i>Botrychium lineare</i>	Wagner, W.H. and F.S. Wagner	1986	Three new species of moonworts (<i>Botrychium</i> subg. <i>Botrychium</i>) endemic in western North America.	American Fern. Journal 76: 33-47.	122
<i>Botrychium lineare</i>	Wagner, W.H. and F.S. Wagner	1994	Another widely disjunct, rare and local North American moonwort Ophioglossaceae: <i>Botrychium</i> subgen. <i>Botrychium</i> .	American Fern Journal 84: 5-10.	124
<i>Carex breweri</i> var. <i>pandoensis</i>	Allen, D.R. and C.B. Marlow	1994	Shoot Population dynamics of beaked sedge following cattle grazing.	J. Range Management 47: 64-69.	149
<i>Carex breweri</i> var. <i>pandoensis</i>	Newhouse, B., Brainerd, R., Kuykendall, K., Wilson, B., and P. Zika	1995	Ecology of the Genus <i>Carex</i> in the Eastside Ecosystem Management Project Area.	A report to the Eastside Ecosystem Management Project, USDA Forest Service, Walla Walla, WA.	148
<i>Draba globosa</i>	Dorn, R.D.	1977	Manual of the Vascular Plants of Wyoming. Vol. I (Equisetaceae to Grossulariaceae).	Garland Publishing, New York, 801 pp.	81
<i>Draba globosa</i>	Fox, L. and R.K. Moseley	1991	Taxonomic investigation of the genus <i>Draba</i> (Brassicaceae) in the White Cloud Peaks and Boulder Mountains, Idaho.	Unpublished report, Idaho Conservation Data Center, Boise, ID. 11 pp plus appendices.	184
<i>Draba globosa</i>	Stone, R.D.	1995	Status review of <i>Draba globosa</i> Payson (Brassicaceae) and Related Species.	Final Report, Challenge Cost Share Project, Utah Department of Natural Resources, and USDA Forest Service, Intermountain Region, Uinta National Forest, 25 pp.	185
<i>Draba globosa</i>	Utah Division of Wildlife Resources	1998	Endemic and Rare Plants of Utah: An Overview of their distribution and Status.	Utah Reclamation Mitigation and Conservation Commission and the U.S. Department of the Interior. P. 147	4
<i>Primula incana</i>	Henderson, D.M	1981e	<i>Primula incana</i>	Page 83 In: Vascular plant species of concern in Idaho, by the Rare and Endangered Plants Technical Committee of the Idaho Natural Areas Council, Bull. No. 34, Forest, Wildlife and Range Experiment Station, University of Idaho, Moscow.	
<i>Primula incana</i>	Kelso, S.	1987	Systematics and biogeography of the arctic and boreal species of <i>Primula</i> . Unpublished PhD. dissertation,	University of Alaska, Fairbanks. 213 pp.	327
<i>Primula incana</i>	Kelso, S.	1991	Taxonomy of <i>Primula</i> sects. <i>Aleuritia</i> and <i>Armerina</i> in North America.	Rhodora 93:67-99.	328
<i>Primula incana</i>	Moseley, R.K., J. Bursik, and M. Mancuso	1991	Floristic Inventory of Wetlands in Fremont and Teton Counties, Idaho.	Unpublished Report, Idaho Conservation Data Center, 60 pp. plus appendices	152
<i>Primula incana</i>	Utah Division of Wildlife Resources	1998	Endemic and Rare Plants of Utah: An Overview of their distribution and Status	Utah Reclamation Mitigation and Conservation Commission and the U.S. Department of the Interior. pp. 336--337	4
<i>Salix farriae</i>	Atwood, D. and N. Charlesworth	1987f	Status report for <i>Salix farriae</i> .	Unpublished report, Idaho Conservation Data Center, Boise, ID. 4 pp.	338

Scientific Name	Authors	Year	Title	Source	Ref. ID # ¹
<i>Salix farriae</i>	Hitchcock, C.L., A. Cronquist, M. Ownbey, and J.W. Thompson	1964	Vascular plants of the Pacific Northwest. Part 2: Salicaceae to Saxifragaceae.	University of Washington Press, Seattle. pp. 51 –53.	212
<i>Salix farriae</i>	Spahr, R., Armstrong, L., Atwood, D. and M. Rath	1991	Threatened, Endangered, and Sensitive Species of the Intermountain Region.	Intermountain Region, Ogden, UT.	98
<i>Saxifraga adscendens</i> var. <i>oregonensis</i>	Brooks, P.J., K. Urban, E. Yates, and C.G. Johnson, Jr.	1991	Sensitive plants of Malheur, Ochoo, Umatilla, and the Wallowa-Whitman National Forests.	USDA Forest Service, Pacific Northwest Region.	248
<i>Saxifraga adscendens</i> var. <i>oregonensis</i>	Brunsfeld, S.J.	1981a	<i>Saxifraga adscendens</i> var. <i>oregonensis</i> .	Page 132 In: Vascular plant species of concern in Idaho, by the Rare and Endangered Plants Technical Committee of the Idaho Natural Areas Council, Bull. No. 34, Forest, Wildlife and Range Experiment Station, University of Idaho, Moscow.	341
<i>Saxifraga adscendens</i> var. <i>oregonensis</i>	Duft, J.F. and R.K. Moseley	1989	Alpine wildflowers of the Rocky Mountains	Mountain Press, Missoula, MT. 200 pp.	342
<i>Saxifraga adscendens</i> var. <i>oregonensis</i>	Hitchcock, C.L., A. Cronquist, M. Ownbey, and J.W. Thompson	1961	Vascular plants of the Pacific Northwest. Part 3. Saxifragaceae to Ericaceae.	University of Washington Press, Seattle. Pp 35-36.	77
<i>Saxifraga adscendens</i> var. <i>oregonensis</i>	Moseley, R.K.	1993a	Alpine Flora of the Upper Little Wood River, Pioneer Mountains, Sawtooth National Forest.	Unpublished Report, Idaho Conservation Data Center, 26 pp. plus appendices.	150
<i>Saxifraga adscendens</i> var. <i>oregonensis</i>	Spahr, R., Armstrong, L., Atwood, D. and M. Rath	1991	Threatened, Endangered, and Sensitive Species of the Intermountain Region.	U.S. Forest Service, Intermountain Region, Ogden, UT.	98
<i>Saxifraga adscendens</i> var. <i>oregonensis</i>	Utah Division of Wildlife Resources	1998	Endemic and Rare Plants of Utah: An Overview of their distribution and Status.	Utah Reclamation Mitigation and Conservation Commission and the U.S. Department of the Interior. p. 346.	4
<i>Spiranthes diluvialis</i>	Arft, A.M.	1994	The Genetics, Ecology, and Conservation Management of the Rare Orchid <i>Spiranthes diluvialis</i> .	Aquilegia, Newsletter of the Colorado Native Plant Society, Volume 18, Number 2, March/April. Pp. 1, 4-5.	396
<i>Spiranthes diluvialis</i>	Arft, A.M. and T.M. Ranker	1998	Allopolyploid Origin and Population Genetics of the rare Orchid Species <i>Spiranthes diluvialis</i> .	American Journal of Botany 85(1) 110-112.	397
<i>Spiranthes diluvialis</i>	Hanson, A.	1998	Potential <i>Spiranthes diluvialis</i> habitat on the Payette National Forest.	Unpublished report, Payette National Forest, ID. 6 pp. plus appendices.	398
<i>Spiranthes diluvialis</i>	Moseley, R.K.	1998d	Ute ladies-tresses (<i>Spiranthes diluvialis</i>) in Idaho: 1997 status report.	Unpublished report, Idaho Conservation Data Center, Boise, ID. 25 pp. plus appendices.	399
<i>Spiranthes diluvialis</i>	Moseley, R.K.	1998e	Ute ladies-tresses (<i>Spiranthes diluvialis</i>) in Idaho: 1998 status report.	Unpublished report, Idaho Conservation Data Center, Boise, ID. 23 pp. plus appendices.	400
<i>Spiranthes diluvialis</i>	Moseley, R.K.	1999	Predicting the distribution of potential habitat for <i>Spiranthes diluvialis</i> on National Forests in Idaho: Phase 1 – Habitat Profile.	Unpublished report, Idaho Conservation Data Center, Boise, ID. 14 pp. plus appendices.	401
<i>Spiranthes diluvialis</i>	Padgett, W.G., Youngblood, A.P., and A.H. Winward	1989	Riparian community type classification of Utah and southeastern Idaho.	R4-Ecol-89-01. USDA Forest Service, Intermountain Region, Ogden, UT. 191 p.	402

Scientific Name	Authors	Year	Title	Source	Ref. ID # ¹
<i>Spiranthes diluvialis</i>	Pierson, K. and V.J. Tepedino	2000	The Pollination Ecology of a rare orchid, <i>Spiranthes diluvialis</i> : Implications for Conservation.	Unpublished Report prepared for Uinta National Forest, Provo, UT. 83 pp.	403
<i>Spiranthes diluvialis</i>	Rey-Vizgirdas, E.	1997	Effects of Grazing on <i>Spiranthes diluvialis</i> .	Unpublished report, USDI Fish and Wildlife Service, Boise, ID. 1 p.	404
<i>Spiranthes diluvialis</i>	Sheviak, C.J.	1984	<i>Spiranthes diluvialis</i> (Orchidaceae), a new species from the western United States.	Brittonia 36: 8-14.	405
<i>Spiranthes diluvialis</i>	Sipes, S.D.	1995	Reproduction of the rare, riparian orchid, <i>Spiranthes diluvialis</i> : pollination ecology, variations in reproductive success, and implications for conservation	Master's Thesis, Utah State University, Logan.	406
<i>Spiranthes diluvialis</i>	Sipes, S. and V.J. Tepedino	1995	Reproductive Biology of the rare Orchid, <i>Spiranthes diluvialis</i> : Breeding system, Pollination, and Implications for Conservation.	Conservation Biology 9:929-938.	407
<i>Spiranthes diluvialis</i>	Sipes, S.D., V.J. Tepedino, and W.R. Bowlin	1993	The pollination and reproductive ecology of <i>Spiranthes diluvialis</i> Sheviak (Orchidaceae).	Proceedings of the Southwestern Rare and Endangered Plant Conference, Sante Fe, NM.	408
<i>Spiranthes diluvialis</i>	USDI Fish and Wildlife Service	1995a	Recommendations and Guidelines for Ute ladies'-tresses orchid (<i>Spiranthes diluvialis</i>) Recovery and fulfilling Section Consultation Responsibilities.	Memo to US-FWS Field Supervisors in WY, CO, ID, MT, NV.	409
<i>Spiranthes diluvialis</i>	USDI Fish and Wildlife Service	1995b	Ute Ladies'-tresses (<i>Spiranthes diluvialis</i>), Agency Review Draft Recovery Plan.	Prepared by the Ute Ladies'-tresses Recovery Team for Region 6, Denver, Colorado.	410
<i>Spiranthes diluvialis</i>	USDI Fish and Wildlife Service	1998	Section 7 Guidelines – Snake River Basin Office, <i>Spiranthes diluvialis</i> , Ute Ladies-tresses (threatened).	Unpublished report, Snake River Basin Office, Boise, ID. 14 pp. plus appendices.	411
<i>Spiranthes diluvialis</i>	USGS	1999b	<i>Spiranthes diluvialis</i>	Rare Plant Field Guide for Wyoming. Northern Prairie Wildlife Research Center.	412
<i>Spiranthes diluvialis</i>	Utah Division of Wildlife Resources	1998	Endemic and Rare Plants of Utah: An Overview of their distribution and Status	Utah Reclamation Mitigation and Conservation Commission and the U.S. Department of the Interior. pp. 110-111	4
Grazing	Beymer, R.J., and J.M. Klopatek	1992	Effects of Grazing on Cryptogamic Crusts in Pinyon-Juniper Woodlands in Grand Canyon National Park.	American Midland Naturalist 127:139-148.	451
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Ref ID #¹ = Reference identification number used in threat tables for TEPS species and rare communities.