

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Polygonum spergulariiforme* / Fall Knotweed (*P. douglasii* ssp. *spergulariiforme*)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	<p>Fall Knotweed is known from the eastern edge of the Bighorn Mountains and western edge of the Powder River Basin (Sheridan and possibly Johnson counties; the latter is unmappable) and Bighorn Basin (Washakie County). It does not occur on any Region 2 administrated lands in Wyoming, and is not known from other Region 2 states.</p> <p>In Wyoming, this taxon is found on gravelly or sandy hills and plains at 3500 to 5000 ft. The habitat of the species may be locally extensive but its range in the state is limited.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Beauvais et al. 2000 • Dorn 2001 • Fertig 1999 • Hitchcock and Cronquist 1964 • University of Wyoming 1998
2 Distribution outside R2	C	<p>Fall Knotweed is known from British Columbia south to California, east to Montana and Wyoming.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Hitchcock and Cronquist 1964
3 Dispersal Capability	CD	<p>Some birds and animals are known to eat the seeds, therefore, it may be inferred that there is some animal dispersal across unsuitable habitat.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Martin et al. 1951
4 Abundance in R2	NA	<p>Fall Knotweed is known from one extant record (last observed in 1980) and two vague historical reports in Wyoming (one is unmappable). The population size of the extant record is not known. None of the known reports are on lands administrated by Region 2. This taxon is ranked "S1" in Wyoming.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Beauvais et al. 2000 • University of Wyoming 1998 • WYNDD 2002
5 Population Trend in R2	NA	<p>Not known.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • -

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Criteria	Rank	Rationale	Literature Citations
6 Habitat Trend in R2	NA	Not known. Confidence in Rank High	• -
7 Habitat Vulnerability or Modification	NA	Threats are not known. All known extant populations are on public or state lands managed for multiple use. Fall Knotweed occurs in the BLM Worland Field Office. Historical populations may be from private or state lands. Confidence in Rank High	<ul style="list-style-type: none"> • Beauvais et al. 2000 • University of Wyoming 1998 • WYNDD 2002
8 Life History and Demographics	D	Fall Knotweed is an annual forb. Flowering and fruiting occur from June through September. Additional information on the species, including pollination biology and seed biology, are not available. Confidence in Rank High	<ul style="list-style-type: none"> • Hitchcock and Cronquist 1964
Initial Evaluator(s): Joy Handley, Bonnie Heidel and Scott Laursen			Date: April 29, 2002

National Forests in the Rocky Mountain Region where species is KNOWN (K) or LIKELY(L)¹ to occur:

¹ Likely is defined as more likely to occur than not occur on the National Forest or Grassland. This generally can be thought of as having a 50% chance or greater of appearing on NFS lands.

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<u>Colorado NF/NG</u>	Known	Likely	<u>Kansas NF/NG</u>	Known	Likely	<u>Nebraska NF/NG</u>	Known	Likely	<u>South Dakota NF/NG</u>	Known	Likely	<u>Wyoming NF/NG</u>	Known	Likely
Arapaho-Roosevelt NF			Cimmaron NG			Samuel R. McKelvie NF			Black Hills NF			Shoshone NF		
White River NF						Halsey NF			Buffalo Gap NG			Bighorn NF		
Routt NF						Nebraska NF			Ft. Pierre NG			Black Hills NF		
Grand Mesa, Uncompahgre, Gunnison NF						Ogalala NG						Medicine Bow NF		
San Juan NF												Thunder Basin NG		
Rio Grande NF														
Pike-San Isabel NF														
Comanche NG														

Literature cited

Beauvais, G.P., W. Fertig, and G.P. Jones. 2000. Rare species and the vegetation of Washakie County, Wyoming. Report prepared for the Washakie County planner by the Wyoming Natural Diversity Database, Laramie, WY.

Dorn, R.D. 2001. Vascular Plants of Wyoming, third edition. Mountain West Publishing, Cheyenne, WY.

Fertig, W. 1999. The status of rare plants in the Bighorn Landscape. Report prepared for The Nature Conservancy Wyoming Field Office by the Wyoming Natural Diversity Database, Laramie, Wyoming.

Hickman, J.C., ed. 1993. The Jepson Manual: Higher Plants of California. University of California Press, Berkeley.

Hitchcock, C.L. and A. Cronquist. 1964. Pt. 2. Salicaceae to Saxifragaceae. In: Hitchcock, C.L., A. Cronquist, M. Ownbey, and J.W. Thompson. Vascular Plants of the Pacific Northwest. University of Washington Publications in Biology 17(1): 1-914.

Martin, A.C., H. S. Zim, and A. L. Nelson. 1951. American Wildlife and Plants, a guide to wildlife food habits. Dover Publications, Inc. New York, NY.

University of Wyoming – Rocky Mountain Herbarium. 1998. Atlas of the Flora of Wyoming. Posted electronically through 1998 at: <http://www.esb.utexas.edu/tchumley/wyomap/> and unposted accession information at the Rocky Mountain Herbarium through 2001.

USDA Forest Service – Region 2. 2001. “Wyoming plant species” evaluation list and criteria provided to Wyoming Natural Diversity Database. Denver, CO.

Wyoming Natural Diversity Database. 2002. Ongoing documentation of sensitive species distribution, biology, status, and references for the state of Wyoming. University of Wyoming, Laramie.