

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Potamogeton robbinsii</i> / Flatleaf Pondweed			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AD	<p>Flatleaf Pondweed occurs in the Medicine Bow Mountains in Carbon County, Wyoming, on the Medicine Bow National Forest. It also occurs in Colorado according to Harrington (1954), but is not included in more recent floras (Weber and Wittman 1996, 2001).</p> <p>This species is found on the margins of ponds, lakes, and slow-moving streams at 7,450 to 10,360 feet. Its range in the Region 2 portion of the state is very limited.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Dorn 2001</li> <li>• Fertig 2000a, b</li> <li>• Harrington 1954</li> <li>• Porter 1963</li> <li>• University of Wyoming 1998</li> <li>• USDA Forest Service 2001</li> <li>• Welp et al. 2000</li> </ul>
2 Distribution outside R2	C	<p>Flatleaf Pondweed is known from British Columbia to Labrador, south to central California, Utah, Montana, Colorado, Indiana and Pennsylvania. In Wyoming it is known from outside Region 2 in the Wind River Range and Yellowstone Plateau in Fremont, Sublette, and Teton counties.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Cronquist 1977</li> <li>• Dorn 2001</li> <li>• Fertig 2000a, b</li> <li>• Great Plains Flora Association 1986</li> <li>• Haynes and Hellquist 2000</li> <li>• Welsh et al. 1993</li> </ul>
3 Dispersal Capability	CD	<p>Some birds 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"> <li>• Martin et al. 1951</li> </ul>
4 Abundance in R2	AD	<p>Flatleaf Pondweed is known from 3 historical records and 1 extant population in Wyoming (last observed in 1968). One of the historical records is from the Medicine Bow National Forest. Census data are lacking. This species is ranked "S1" in Wyoming and it is report from Colorado but not ranked.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Fertig 2000a, b</li> <li>• Porter 1963</li> <li>• University of Wyoming 1998</li> <li>• USDA Forest Service 2001</li> <li>• Welp et al. 2000</li> </ul>
5 Population Trend in R2	D	<p>Trends are not known. Most occurrences are old or historical.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Fertig 2000b</li> <li>• WYNDD 2002</li> </ul>

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Criteria	Rank	Rationale	Literature Citations
6 Habitat Trend in R2	D	Unknown.  Confidence in Rank High	• -
7 Habitat Vulnerability or Modification	BD	Threats are not known. Flatleaf Pondweed may be sensitive to changes in water quality. It occurs in the Bridger Wilderness and Yellowstone National Park. In Region 2 it is known from lands managed for multiple use by the Medicine Bow National Forest.  Confidence in Rank Low	<ul style="list-style-type: none"> <li>• Fertig 2000a, b</li> <li>• Porter 1963</li> <li>• University of Wyoming 1998</li> <li>• Welp et al. 2000</li> </ul>
8 Life History and Demographics	D	Flatleaf Pondweed is an aquatic, perennial forb. Flowering and fruiting occur from August through September.  Additional information on the species, including life history stages, population structure, longevity, mortality, and seed biology, are not available.  Confidence in Rank High	<ul style="list-style-type: none"> <li>• Cronquist 1977</li> <li>• Fertig 2000b</li> <li>• Great Plains Flora Association 1986</li> <li>• Haynes and Hellquist 2000</li> <li>• Welsh et al. 1993</li> </ul>
Initial Evaluator(s): Joy Handley, Scott Laursen, and Bonnie Heidel			Date: May 2, 2002

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

<sup>1</sup> 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>		<u>Kansas NF/NG</u>		<u>Nebraska NF/NG</u>		<u>South Dakota NF/NG</u>		<u>Wyoming NF/NG</u>	
Known	Likely	Known	Likely	Known	Likely	Known	Likely	Known	Likely
		Cimmaron NG		Samuel R. McKelvie NF		Black Hills NF		Shoshone NF	
				Halsey NF		Buffalo Gap NG		Bighorn NF	
				Nebraska NF		Ft. Pierre NG		Black Hills NF	
				Ogalala NG				Medicine Bow NF	X
								Thunder Basin NG	

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