

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Eleocharis tenuis* / Boreal Spikerush [*Eleocharis tenuis* var. *borealis*; *E. elliptica*]

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	<p>Region 2 harbors the southcentral portion of Boreal Spikerush's distribution. In Wyoming, it is restricted to the Laramie Range on Medicine Bow National Forest, in Platte County. It is not present in other Region 2 states.</p> <p>In Wyoming, this species is often associated with thermally influenced seeps and springs, although populations may also occur in non-thermal seepage areas. It is found at 6200-7250 feet elevation. Its habitats are small and isolated on the landscape.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Dorn 2001</li> <li>• Fertig 2000</li> <li>• Moseley et al. 1991</li> <li>• University of Wyoming 1998</li> </ul>
2 Distribution outside R2	C	<p>Outside Region 2, Boreal Spikerush ranges from Newfoundland to British Columbia and south to Montana, Wyoming, Illinois, and Pennsylvania. It also occurs outside Region 2 in Wyoming on the Yellowstone Plateau in Teton County.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Fertig 2000</li> <li>• Gleason and Cronquist 1991</li> <li>• Hitchcock et al. 1969</li> <li>• Holmgren 1998</li> </ul>
3 Dispersal Capability	D	<p>Not known.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• -</li> </ul>
4 Abundance in R2	A	<p>This species is known from at least 4 extant records in Wyoming, all observed since 1993 (most recently in 1997). Only one is known from Region 2, in the Medicine Bow National Forest.</p> <p>Jennifer Whipple estimated 100-200 stems at one site in Yellowstone NP in 1993. Estimates are unavailable for other populations.</p> <p>Confidence in Rank medium</p>	<ul style="list-style-type: none"> <li>• Fertig 2000</li> <li>• Markow and Fertig 1993</li> </ul>
5 Population Trend in R2	D	<p>Not known.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• -</li> </ul>

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Criteria	Rank	Rationale	Literature Citations
6 Habitat Trend in R2	D	Not known.  Confidence in Rank High	• -
7 Habitat Vulnerability or Modification	B	Boreal Spikerush may be impacted by degradation of wetland habitats including by road building. This species is fairly well protected within Yellowstone National Park, however, the single Region 2 population is within the Medicine Bow National Forest which is managed for multiple use.  Confidence in Rank Low	• Fertig 2000
8 Life History and Demographics	D	Boreal Spikerush is a perennial graminoid with slender culms 5-40 cm tall that are loosely clustered along a creeping rhizome. Flowering occurs from June to August. The spikerush genus is generally wind-pollinated.  Life history information on this species, including life history stages, population structure, longevity, mortality, and seed biology, are not available.  Confidence in Rank High	• Fertig 2000 • Gleason and Cronquist 1991
Initial Evaluator(s): Scott Laursen and Bonnie Heidel			Date: February 21, 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>	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	X	
San Juan NF												Thunder Basin NG		
Rio Grande NF														
Pike-San Isabel NF														
Comanche NG														

Literature cited

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Moseley, R.K., R. Bursik, and M. Mancuso. 1991. Floristic inventory of wetlands in Fremont and Teton Counties, Idaho. Unpublished report prepared for Targhee National Forest by the Conservation Data Center, Idaho Department of Fish and Game, Boise, ID. November 1991.

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