

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Scirpus rollandii</i> / Rolland Bulrush ( <i>Trichophorum pumilum</i> , <i>Scirpus pumilus</i> )			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AD	<p>Rolland Bulrush occurs in the Absaroka Range in Park County on the Shoshone National Forest. It also occurs in Colorado, therefore, additional state information is necessary in order to determine its status in Region 2.</p> <p>This species is found in montane fens, where it occurs on marl hummocks and in small pools influenced by calcium carbonate accumulation. The elevation range is from 6,300 to 7,400 feet. Its range in state is very limited and it is considered disjunct.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Dorn 2001</li> <li>• Evert et al. 1986</li> <li>• Fertig 1995, 1998b, 2000a, b</li> <li>• Fertig and Jones 1992</li> <li>• Fertig et al. 1994</li> <li>• Mills and Fertig 1996</li> <li>• Spackman et al. 1997</li> <li>• University of Wyoming 1998</li> <li>• Welp et al. 2000</li> </ul>
2 Distribution outside R2	B	<p>Rolland Bulrush is circumboreal with disjunct populations in Wyoming, California, Colorado, and Montana. In Wyoming, it is known from outside Region 2 in the Gros Ventre Range and Jackson Hole in Teton County.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Dorn 2001</li> <li>• Fertig 1998a, 2000a, b</li> <li>• Lesica and Shelly 1991</li> <li>• Sanderson and March 1996</li> <li>• University of Wyoming 1998</li> </ul>
3 Dispersal Capability	D	<p>Dispersal vectors are unknown.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• -</li> </ul>
4 Abundance in R2	AD	<p>Rolland Bulrush is known from 3 extant occurrences in Wyoming, all discovered or last observed since 1992 (most recently in 1999). One population is on the Shoshone National Forest. Populations may be locally common but are limited to highly specialized habitats and small areas. This species is ranked "S1" in Wyoming and "S2" in Colorado.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Evert et al. 1986</li> <li>• Fertig 1995, 1998a, b, 2000a, b</li> <li>• Fertig and Jones 1992</li> <li>• Mills and Fertig 1996</li> <li>• NatureServe 2002</li> </ul>
5 Population Trend in R2	BD	<p>Populations are likely to be stable.</p> <p>Confidence in Rank Medium</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	Not known.  Confidence in Rank High	• -
7 Habitat Vulnerability or Modification	BD	Rolland Bulrush may be impacted by water diversion or heavy trampling, but threats at present are minor. It occurs in the Swamp Lake Special Botanical Area on the Shoshone National Forest and on lands managed for multiple use by the Bridger-Teton National Forest. It also occurs in the National Elk Refuge.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• Evert et al. 1986</li> <li>• Fertig 1995, 1998a, b, 2000a, b</li> <li>• Fertig and Jones 1992</li> <li>• Mills and Fertig 1996</li> <li>• WYNDD 2002</li> </ul>
8 Life History and Demographics	D	Rolland Bulrush is a tufted, rhizomatous, wind-pollinated perennial graminoid. Flowering and fruiting occur from June through August.  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>• Beetle 1941</li> <li>• Fertig 2000b</li> <li>• Fertig et al. 1994</li> <li>• Spackman et al. 1997</li> </ul>
Initial Evaluator(s): Bonnie Heidel, Joy Handley and Scott Laursen			Date: May 11, 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	X	
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														

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