

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Eleocharis ovata</i> / Ovate Spike-rush			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AD	<p>In Wyoming, Ovate Spike-rush is known on the Black Hills National Forest in Crook County. It also occurs in South Dakota and Nebraska, therefore, additional information is needed to determine its status in Region 2.</p> <p>Ovate spike-rush is found in the wet ground of marshes, ditches, ponds, and lakes. Wyoming populations occur along the margins of small ponds as an emergent at 3260-4700 feet.</p> <p>Confidence in Rank Low</p>	<ul style="list-style-type: none"> <li>• Cronquist et al. 1977</li> <li>• Dorn 2001</li> <li>• Fertig 2001</li> <li>• Great Plains Flora Association 1986</li> <li>• University of Wyoming 1998</li> </ul>
2 Distribution outside R2	C	<p>Ovate Spike-rush occurs from Newfoundland to North Dakota and northeast Wyoming, south to Florida and Texas and on the Pacific coast in Washington and Hawaii. In Wyoming, this species is found only in the Black Hills.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Gleason and Cronquist 1991</li> <li>• Great Plains Flora Association 1986</li> </ul>
3 Dispersal Capability	D	<p>Dispersal vectors are not known. It may be inferred that dispersal across unsuitable habitat occurs by water and aquatic animals.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• -</li> </ul>
4 Abundance in R2	AD	<p>Ovate spike-rush is known from 3 locations in Wyoming, all observed since 1973 (most recently in 1989). Two of these populations are on the Black Hills National Forest. Census data are lacking, but this species is apparently restricted to the margins of shallow ponds and stockponds. Total occupied habitat is probably less than 20 acres.</p> <p>The species is ranked "S1" in Wyoming. It is present but not ranked in Nebraska and South Dakota.</p> <p>Confidence in Rank Low</p>	<ul style="list-style-type: none"> <li>• Fertig 2001</li> <li>• WYNDD 2001</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	Populations may be impacted by water pollution or loss of wetland habitats. This species occurs lands managed for multiple use by the Black Hills National Forest.  Confidence in Rank Medium	• Fertig 2001
8 Life History and Demographics	D	Ovate spike-rush is a grass-like, tufted annual that is wind-pollinated.  Additional information on the species, including seed biology and seedbank viability, are not available.  Confidence in Rank High	• Gleason and Cronquist 1991 • Great Plains Flora Association 1986
Initial Evaluator(s): Joy Handley, Bonnie Heidel and Scott Laursen			Date: February 20, 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	X		Black Hills NF	X	
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

Cronquist, A., A.H. Holmgren, N.H. Holmgren, J.L. Reveal, and P.K. Holmgren. 1977. Volume 6, The Monocotyledons. Intermountain Flora: Vascular Plants of the Intermountain West, USA. Columbia University Press, New York.

Dorn, R.D. 1977. Manual of the Vascular Plants of Wyoming. 2 volumes. Garland Publ., INC., New York, NY.

Dorn, R.D. 1988. Vascular Plants of Wyoming. Mountain West Publ., Cheyenne.

Dorn, R.D. 1992. Vascular Plants of Wyoming, second edition. Mountain West Publishing, Cheyenne, WY.

Fertig, W. 2001. State Species Abstract: *Eleocharis ovata*. Wyoming Natural Diversity Database. Available on the internet at [www.uwyo.edu/wyndd](http://www.uwyo.edu/wyndd)

Gleason, H.A. and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and Canada. New York Botanical Garden, Bronx, NY.

Great Plains Flora Association. 1986. Flora of the Great Plains. Univ. Kansas Press, Lawrence, KS.

Holmgren, N. 1998. Illustrated Companion to Gleason and Cronquist's Manual - Illustrations of the Vascular Plants of Northeastern United States and Adjacent Canada. New York Botanical Garden, Bronx 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

Wyoming Natural Diversity Database. 2001. Ongoing documentation of sensitive species distribution, biology, status, and references for the state of Wyoming. University of Wyoming, Laramie.