

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Carex granularis var. haleana* / Meadow Sedge

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	BD	<p>Meadow sedge reaches its southwestern limits in Region 2. It occurs on the Black Hills National Forest in Crook County, Wyoming, but is not known from the South Dakota side on national forest. This taxon also occurs in Nebraska and Kansas, therefore, additional information is needed to determine its status in Region 2.</p> <p>This taxon is reported from bogs, swamps, and ditches. Wyoming populations are found in wet meadows and drainage bottoms in birch-hazelnut forests or associated with old beaver ponds at 4200-4450 feet. This setting is rare in the state.</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> <li>• Dorn 1992</li> <li>• Fertig 2001</li> <li>• Great Plains Flora Association 1986</li> <li>• Johnston 2001</li> <li>• Lichvar and Dorn 1982</li> <li>• Marriot 1989</li> <li>• University of Wyoming 1998</li> <li>• WYNDD 2001</li> </ul>
2 Distribution outside R2	CB	<p>Meadow sedge ranges from Quebec to Saskatchewan and south to Virginia, Iowa, Kansas, and northeast Wyoming.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Dorn 1992</li> <li>• Gleason and Cronquist 1991</li> <li>• Great Plains Flora Association 1986</li> <li>• Marriot 1989</li> <li>• WYNDD 2001</li> </ul>
3 Dispersal Capability	D	<p>Dispersal vectors are not known.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• -</li> </ul>
4 Abundance in R2	D	<p>Meadow sedge is known from 4 occurrences in Wyoming, all observed since 1980 (most recently in 1989). All known populations are on the Black Hills National Forest, although some may extend onto adjacent private lands. Census data are lacking. It is ranked "S1" in Wyoming and Kansas. It is not ranked in South Dakota or Nebraska.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Lichvar and Dorn 1982</li> <li>• Marriot 1989</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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6 Habitat Trend in R2	DA	Long-term trends may be downward due to alteration of riparian habitats.  Confidence in Rank High	<ul style="list-style-type: none"> <li>Fertig 2001</li> <li>Marriot 1989</li> <li>WYNDD 2001</li> </ul>
7 Habitat Vulnerability or Modification	B	Meadow sedge may be impacted by grazing or recreational activities in its wetland habitat. One occurrence is in the Dugout Gulch Special Botanical Area. The other 3 occurrences are on lands managed for multiple use by the Black Hills National Forest.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>Lichvar and Dorn 1982</li> <li>Marriot 1989</li> <li>WYNDD 2001</li> </ul>
8 Life History and Demographics	D	This perennial sedge spreads by short rhizomes, forming tufts.  Additional information on the taxon, 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>Gleason and Cronquist 1991</li> <li>Great Plains Flora Association 1986</li> </ul>
Initial Evaluator(s): Joy Handley, Bonnie Heidel and Scott Laursen			Date: February 13, 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.

ATTACHMENT SS2

<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	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

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