

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: ***Onoclea sensibilis*** L / sensitive fern / ONSE  
 (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AB	Black Hills of SD, ncent NEB, formerly e CO. (also e SD, NEB, & KS).  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>GPFA 1977, Larson 1993, Spackman, et al. 1997.</li> </ul>
2 Distribution outside R2	C	Eastern North America from Nfdl. to Man. south to e TX, FI. Also e Asia.  Confidence in Rank <b>High</b>	<ul style="list-style-type: none"> <li>FNA 1993.</li> </ul>
3 Dispersal Capability	B	Wind dispersed spores.  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li></li> </ul>
4 Abundance in R2	BC	CO: single site not relocated since 1948. BH: "Frequent from mid to high elevations in n & cent Black Hills," (p. 34, Larson & Johnson 1999). NEB: "Especially common in the sandhills" (p. 34, Larson 1993).  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>Spackman, et al. 1997, Larson &amp; Johnson 1999, Larson 1993.</li> </ul>
5 Population Trend in R2	D	Probably some decline due to habitat destruction, e.g. CO occurrence.  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li></li> </ul>
6 Habitat Trend in R2	A	Inhabits saturated soil of fens, swamps, wet meadows, stream banks, where water is fresh. These habitats have declined from hydrologic modification, livestock impacts, road construction, etc. Many sandhills fens have been ditched or modified to alter hydrology. Stream banks have been trampled down by livestock. Livestock can also trample-ditch saturated soils of fens and meadows.  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>Larson 1993, Brooks 1969, Larson &amp; Johnson 1999.</li> </ul>

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7 Habitat Vulnerability or Modification	AB	ditto  Plant is poisonous to livestock, so typically not threatened by direct grazing.  Confidence in Rank <b>High</b>	<ul style="list-style-type: none"> <li>Larson &amp; Johnson 1999.</li> </ul>
8 Life History and Demographics	D	Reproduces vegetatively from vigorous rhizomes.  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li></li> </ul>
Evaluator(s): David J. Ode			Date: 10 December, 2001

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

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<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
		Cimarron 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	
								Thunder Basin NG	

### Sources Cited

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