

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: ( <i>Synaptomys cooperi</i> /Southern Bog Lemming)			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	B	Occurs only in SD, KS, & NE in R2. Recorded only in Gregory County, SD, not on NFS lands. Potential habitat is sedge habitats, moist upland grasslands, and riparian forests. Some gaps likely exist between habitats.  Confidence in Rank High or <u>Medium</u> or Low	<ul style="list-style-type: none"> <li>• NatureServe 2001.</li> <li>• Higgins et al. 2000</li> </ul>
2 Distribution outside R2	C	Found mostly in northeastern North America from Manitoba, Ontario, and Quebec, Canada; south to Georgia and Arkansas. SD, NE, and KS form the western edge of the species' range.  Confidence in Rank High or <u>Medium</u> or Low	<ul style="list-style-type: none"> <li>• NatureServe 2001.</li> </ul>
3 Dispersal Capability	B	Home range size ranges from ¼ to 1 acre. Due to it's size, probably has difficulty dispersing across large distances of unsuitable habitat.  Confidence in Rank High or <u>Medium</u> or Low	<ul style="list-style-type: none"> <li>• Higgins et al. 2000</li> </ul>
4 Abundance in R2	B	Populations are apparently secure in NE. They are vulnerable in KS and critically imperiled in SD.  Confidence in Rank High or <u>Medium</u> or Low	<ul style="list-style-type: none"> <li>• NatureServe 2001.</li> <li>• Higgins et al. 2000</li> </ul>
5 Population Trend in R2	B	Populations are apparently secure in NE. They are vulnerable in KS and critically imperiled in SD. SD records are not on NFS lands and SD is at the edge of the species range.  Confidence in Rank High or <u>Medium</u> or Low	<ul style="list-style-type: none"> <li>• NatureServe 2001.</li> <li>• Higgins et al. 2000</li> </ul>
6 Habitat Trend in R2	D	No information on habitat trend.  Confidence in Rank High or <u>Medium</u> or Low	<ul style="list-style-type: none"> <li>• NatureServe 2001.</li> <li>• Higgins et al. 2000</li> </ul>

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Criteria	Rank	Rationale	Literature Citations
7 Habitat Vulnerability or Modification	B	Listed as vulnerable in KS. Potential habitat is sedge habitats, moist upland grasslands, and riparian forests. Habitat somewhat vulnerable since habitats are likely less stable in the more arid great plains (KS, SD, NE) than in the eastern US.  Confidence in Rank High or <u>Medium</u> or Low	<ul style="list-style-type: none"> <li>NatureServe 2001.</li> </ul>
8 Life History and Demographics	C	Potentially a year-round breeder, 1-7 young per litter. May have 3-4 litters per year.  Confidence in Rank High or <u>Medium</u> or Low	<ul style="list-style-type: none"> <li>NatureServe 2001.</li> <li>Higgins et al. 2000</li> </ul>
Initial Evaluator(s): Kerry Burns			Date: July 17, 2001

**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>		<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
		Cimmaron 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	

Literature Cited

Higgins, K.F., E.D. Stuckel, J.M. Goolet, and D.C. Backlund. 2000. Wild mammals of South Dakota. South Dakota Game, Fish, and Parks Department; Pierre. 278 p.

Natureserve: An online encyclopedia of life (web application). 2001. Version 1.4. Arlington, Virginia, USA. Assosiation of Biodiversity Information. Available: [HTTP://www.natureserve.org/](http://www.natureserve.org/). (Accessed: July 17, 2001).