REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: A Cave Obligate Springtail (*Entomobrya troglodytes*)			

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A1	Species is known only from two caves in South Dakota and Nebraska (Custer County, SD and Keith County, NE). Confidence in Rank **High**	• Christiansen, K. 1958. Bulletin of the Museum of Comparative Zoology (Harvard) 118:484. • Christiansen, K. and P.F. Bellinger. 1980-1981. The Collembola of North America north of the Rio Grande. Grinnel College, Grinnel, Iowa. 4 volumes.
2 Distribution outside R2	A	Known only from Nebraska and South Dakota. Confidence in Rank **High**	• Christiansen and Bellinger. 1980-81 (see above).
3 Dispersal Capability	A	Limited to caves, dispersal between caves only through underground fissures. Confidence in Rank **Medium**	• Opler (personal assessment)
4 Abundance in R2	A	Known only from two caves, although authors state that it is likely found in other caves within the geographic region. Confidence in Rank **Medium**	• Christiansen and Bellinger. 1980-81 (see above).
5 Population Trend in R2	D	No available information. Confidence in Rank High	• Opler (personal assessment)
6 Habitat Trend in R2	D	No available information on specific caves. Habitat quality in known caves could be stable or declining. Confidence in Rank **Medium**	• Opler (personal assessment)

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7 Habitat Vulnerability or Modification	A	Cave habitats are very vulnerable to disruption by humans. It is not known if the specific caves are receiving protection. Confidence in Rank **Medium**	• Opler (personal assessment)
8 Life History and Demographics	D	Collembola have a high reproductive capacity, but the cave-adapted species are probably not able to withstand much disturbance. Confidence in Rank **Medium**	• Opler (personal assessment)
Initial Evaluator(s): Paul A. Opler, Professor, Colorado Statue University, Fort Collins, Colorado 80523			Date: 08/30/2001

National Forests in the Rocky Mountain Region where species is KNOWN (K) or LIKELY(L)[1] to occur:

Colorado NF/NG	Known	Likely	Kansas NF/NG	Known	Likely	Nebraska NF/NG	Known	Likely	South Dakota NF/NG	Known	Likely	Wyoming NF/NG	Known	Likely
Arapaho-Roosevelt NF			Cimmaron NG			Samuel R.McKelvie NF			Black Hills NF		X	Shoshone NF		
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		X				Medicine Bow NF		
San Juan NF												Thunder Basin NG		
Rio Grande NF														
Pike-San Isabel NF														
Comanche NG														

[1] 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.