

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Physella spelunca</i> (Turner and Clench, 1974) Cave Physa (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	This species is distributed only in the type locality in Wyoming in a stream 800-1000 feet into Lower Kane Cave, near Kane, 12 miles east of Lovell (Beetle, 1989; Wu and Beetle, 1995; museum specimens: MCZ 280016 HOLOTYPE; 34366). Confidence in Rank High	<ul style="list-style-type: none"> • Beetle, 1989 • Wu and Beetle, 1995 • Museum specimens: MCZ 280016 HOLOTYPE; UCM 34366
2 Distribution outside R2	A	This species is not found outside Wyoming (Burch and Tottenham, 1980; Wu and Beetle, 1995). Confidence in Rank High	<ul style="list-style-type: none"> • Burch and Tottenham, 1980 • Wu and Beetle, 1995
3 Dispersal Capability	A	Because this species is confined to one high altitude cave habitat, natural dispersal is nearly impossible. Confidence in Rank High	<ul style="list-style-type: none"> •
4 Abundance in R2	A	Abundance is extremely low, with five specimens in two lots collected, total (Wu and Beetle, 1989). Confidence in Rank High	<ul style="list-style-type: none"> • Wu and Beetle, 1989
5 Population Trend in R2	D	The single population has not been studied long enough to determine population trends. Confidence in Rank Low	<ul style="list-style-type: none"> •
6 Habitat Trend in R2	A	Habitat for this species is exclusively a limestone cave in a warm water stream originating from a hot spring 1000 feet from the cave entrance at altitude 3000 feet (Beetle, 1989; Wu and Beetle, 1995). This habitat is extremely rare and may not survive (Wu and Beetle, 1995). Confidence in Rank High	<ul style="list-style-type: none"> • Beetle, 1989 • Wu and Beetle, 1995

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Criteria	Rank	Rationale	Literature Citations
7 Habitat Vulnerability or Modification	D	Information is not available. Confidence in Rank LOW	•
8 Life History and Demographics	D	Information is not available. Confidence in Rank LOW	•
Evaluator(s): James R. Cordeiro			Date: 8/10/01

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

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.

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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	X
				Nebraska NF		Ft. Pierre NG		Black Hills NF	
				Ogalala NG				Medicine Bow NF	
								Thunder Basin NG	