

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Catinella gelida</i> (Baker, 1927) "Frigid Ambersnail" (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	This species is a glacial relict taxon first noted from the Black Hills of South Dakota by Frest and Johannes (1991) but had been reported from the western border of South Dakota (Hubricht, 1985). It was subsequently found again in only eight sites of 189 sites sampled in Black Hills National Forest in Lawrence, Pennington, and Custer Counties (Frest and Johannes, 1993). Confidence in Rank High	<ul style="list-style-type: none"> Frest and Johannes, 1991; 1993 Hubricht, 1985
2 Distribution outside R2	B	The species is only found in northeastern Iowa with most known populations in Winneshiek County; and Allamakee, Clayton and Dubuque Counties. In South Dakota, the species is known from eight sites; four in Lawrence and two each in Pennington and Custer counties (Frest and Johannes, 1993). Historic distribution includes Illinois, Indiana, Missouri, Kentucky, and Mississippi (Frest and Johannes, 1993). Confidence in Rank High	<ul style="list-style-type: none"> Frest and Johannes, 1993
3 Dispersal Capability	A	Sparse populations and small areas at all sites (typically 10 specimens or less in litter samples) coupled with a relict distribution (Frest and Johannes, 1993) severely limit the dispersal capability of this species. Confidence in Rank High	<ul style="list-style-type: none"> Frest and Johannes, 1993
4 Abundance in R2	A	Abundance was typically low with 10 specimens or less in litter samples (Frest and Johannes, 1993) with similar rarity in the Iowa populations. Confidence in Rank High	<ul style="list-style-type: none"> Frest and Johannes, 1993
5 Population Trend in R2	A	This species has an extensive fossil record in dozens of sites (LA, MI, MO, IL, IN, OW, OH, NY) from both Early and Late Pleistocene deposits but most common in the Wisconsinian (Frest and Johannes, 1993). Often, it was the most abundant taxon in fossil sites. Its current distribution is likely disjunct and relict. Confidence in Rank High	<ul style="list-style-type: none"> Frest and Johannes, 1993

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6 Habitat Trend in R2	B	Habitat includes low to medium elevation, dry wooded, limestone talus near the base of the slope often occurring, though in low numbers, with other candidate relict taxa such as <i>Oreohelix strigosa cooperi</i> (Binney, 1858), <i>Vertigo arthuri</i> von Martens, 1882, and <i>Discus shimekii</i> (Pilsbry, 1890) (Frest and Johannes, 1993). Habitat quality remains unchanged in Forest Service land; the prime habitat for this species. Confidence in Rank High	<ul style="list-style-type: none"> Frest and Johannes, 1993
7 Habitat Vulnerability or Modification	B	Habitat for this snail is vulnerable to dessication of the dry talus resulting in snail populatin decline, proximity of some populations to highways and roads, and subjectivity to livestock grazing and lumbering pressure (Frest and Johannes, 1993). Confidence in Rank High	<ul style="list-style-type: none"> Frest and Johannes, 1993
8 Life History and Demographics	D	Snails are short lived (one ot two years) and Frest and Johannes (1993) wrote, "juveniles are most often seen in May – June, but complete egg clutches have not been observed and collected. Most specimens have been collected as full adults in September – October." Specific information on reproductive rate and mortality are not known. Confidence in Rank Low	<ul style="list-style-type: none"> Frest and Johannes, 1993
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	X	Shoshone NF	
				Halsey NF		Buffalo Gap NG		Bighorn NF	
				Nebraska NF		Ft. Pierre NG		Black Hills NF	X
				Ogalala NG				Medicine Bow NF	
								Thunder Basin NG	