

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Oreohelix haydeni</i> (Gabb, 1869) Lyrate Mountainsnail (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	In Colorado, this species has been reported variably as <i>Oreohelix haydeni alta</i> Pilsbry, 1933, <i>O. haydeni mixta</i> Pilsbry, 1933, and <i>O. haydeni betheli</i> Pilsbry and Cockerell in Pilsbry, 1933, north and south of the Colorado River in Glenwood Springs, Garfield County (Henderson, 1912; 1933; 1936; Brandauer, 1988). Frest and Johannes (1993) revisited these sites in 1991 and found the subspecies present and clearly distinct from one another.  Confidence in Rank High	<ul style="list-style-type: none"> <li>• Brandauer, 1988</li> <li>• Frest and Johannes, 1993</li> <li>• Henderson, 1912; 1933; 1936</li> </ul>
2 Distribution outside R2	A	Since its original description, this species has been known only from dead shells found at the type locality in Devil's Slide, Utah, until Henderson (1936) found it in Glenwood Springs, Colorado. Henderson also listed various subspecies from Montana and Utah. Unconfirmed reports exist also from Idaho.  Confidence in Rank High	<ul style="list-style-type: none"> <li>• Henderson, 1936</li> </ul>
3 Dispersal Capability	D	Information on dispersal capability is not known. The taxonomy of the many subspecies is in need of serious revision.  Confidence in Rank Low	<ul style="list-style-type: none"> <li>•</li> </ul>
4 Abundance in R2	A	Frest and Johannes (1995) listed two subspecies, <i>Oreohelix haydeni hesperia</i> Pilsbry, 1939, and <i>O. hydeni perplexa</i> Pilsbry, 1939, as experiencing declines in individual populations and range reductions in the Pacific Northwest. In Colorado, Brandauer (1988) reported no live specimens being found since 1918 although Frest and Johannes (1993) found living specimens shortly thereafter.  Confidence in Rank Low	<ul style="list-style-type: none"> <li>• Brandauer, 1988</li> <li>• Frest and Johannes, 1995</li> </ul>
5 Population Trend in R2	B	Frest and Johannes (1993) found this species and its various subspecies (see #1 above) in Henderson's (1936) original sites living in stable numbers in Glenwood Springs, Colorado.  Confidence in Rank High or Medium or Low	<ul style="list-style-type: none"> <li>• Frest and Johannes, 1993</li> <li>• Henderson, 1936</li> </ul>

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6 Habitat Trend in R2	D	Habitat trend available is not known.  Confidence in Rank LOW	•
7 Habitat Vulnerability or Modification	A	Declines in habitat quality due to logging, grazing, forest fires, and agricultural use have seriously reduced the ranges of two subspecies in the Pacific Northwest (see #4 above) (Frest and Johannes, 1995). Specific habitat vulnerability information for the Rocky Mountain Region is little known.  Confidence in Rank High or Medium or Low	• Frest and Johannes, 1995
8 Life History and Demographics	D	Life history information is not known.  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)<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.

ATTACHMENT SS2

<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
Arapaho-Roosevelt NF		Cimmaron NG		Samuel R. McKelvie NF		Black Hills NF		Shoshone NF	
White River NF	X			Halsey NF		Buffalo Gap NG		Bighorn NF	
Routt NF				Nebraska NF		Ft. Pierre NG		Black Hills NF	
Grand Mesa, Uncompahgre, Gunnison NF				Ogalala NG				Medicine Bow NF	
San Juan NF								Thunder Basin NG	
Rio Grande NF									
Pike-San Isabel NF									
Comanche NG									