

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Aletes lithophilus* (*A. lithophila*, *Neoparrya lithophila*) *ovatum*/Rock-loving *Neoparrya* (USDA Common Name: Bill's neoparrya) **The ITIS reports the accepted name for this species is *Neoparrya lithophila*.**

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	<p><i>A. lithophilus</i> is a small plant in the parsley family. The genus <i>Aletes/Neoparrya</i> is an endemic in the southern Rocky Mountains. It is found only on shelves and in cracks of lava flows and igneous rock outcrops. It forms round clumps about 30 cm in diameter. <i>A. lithophilus</i> occurs only in the south central part of CO; in Huerfano, Chaffee, Saguache, Rio Grande, and Conejos (possibly Costilla) counties. There are 25 known occurrences. Three occurrences are reported on the RGNF in the Divide RD (see map below). There are indications of surveys in the 1980s and 1999. However, no additional information is available on subsequent or planned surveys. This plant is considered rare in R2.</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> <li>• CNHP</li> <li>• USDA, NRCS. 2002. The PLANTS Database, Version 3.5 (<a href="http://plants.usda.gov">http://plants.usda.gov</a>). <a href="http://plants.usda.gov">National Plant Data Center</a>, Baton Rouge, LA 70874-4490 USA. (Accessed October 3, 2002)</li> <li>• NatureServe Explorer: An online encyclopedia of life [web application]. 2001. Version 1.6 . Arlington, Virginia, USA: <a href="http://www.natureserve.org/explorer">http://www.natureserve.org/explorer</a>. (Accessed: October 3, 2002)</li> <li>• Peterson, J. Scott, Barry C. Johnston, William Harmon, 1983. Colorado Natural Heritage Inventory, USFWS Status Report, <i>Neoparrya lithophila</i>. Denver, CO.</li> </ul>
2 Distribution outside R2	A	<p><i>A. lithophilus</i> is not known to occur outside R2.</p> <p>Confidence in Rank: Medium</p>	<ul style="list-style-type: none"> <li>• IBID</li> </ul>
3 Dispersal Capability	A	<p>Like other members of its family, <i>A. lithophilus</i> is likely pollinated by a variety of insects. No information is available on mobility of pollen or seeds. Seeds are small, but no information available on dispersal mechanisms; likely dispersed by gravity, insects and water. Therefore, long distance dispersal capability of the plant is likely limited.</p> <p>Confidence in Rank: Medium</p>	<ul style="list-style-type: none"> <li>• IBID</li> </ul>

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Criteria	Rank	Rationale	Literature Citations
4 Abundance in R2	A	Little information is available on abundance of this species in R2. One report indicates a population of 750. Based on few populations with limited distribution, <i>A. lithophilus</i> is ranked A.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• IBID</li> </ul>
5 Population Trend in R2	D	Little information is available on population trends of this species. One 1983 report indicates known population seem healthy and stable. However, sufficient information is not available to make a determination on population trends of <i>A. lithophilus</i> .  No information is available on population trends for this species.  Confidence in Rank Low	<ul style="list-style-type: none"> <li>• IBID</li> </ul>
6 Habitat Trend in R2	D	No detailed information is available on habitat for this species. Therefore, habitat trends cannot be determined.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• IBID</li> </ul>
7 Habitat Vulnerability or Modification	A	Although grazing is known to occur adjacent to populations of <i>A. lithophus</i> , habitats are generally inaccessible to domestic cattle. In 1988, one population was reported damaged by recreation activities. One population (Elephant Rocks) occurs on a State Natural Area and a Special Interest Area by the USFS. The largest population is located in a BLM Wilderness Study Area. However, based on limited population distribution and potential for extinction of the species through a catastrophic event, this species is ranked A.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• IBID</li> </ul>
8 Life History and Demographics	D	Information on life history, ecology, and demography are included in Sections 1-7 of this evaluation. However, no information is available on reproductive rates or mortality of this species.	<ul style="list-style-type: none"> <li>• IBID</li> </ul>
Initial Evaluator(s):  Janice P. McKee, Botanist			Date: 10/04/02

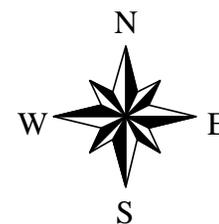
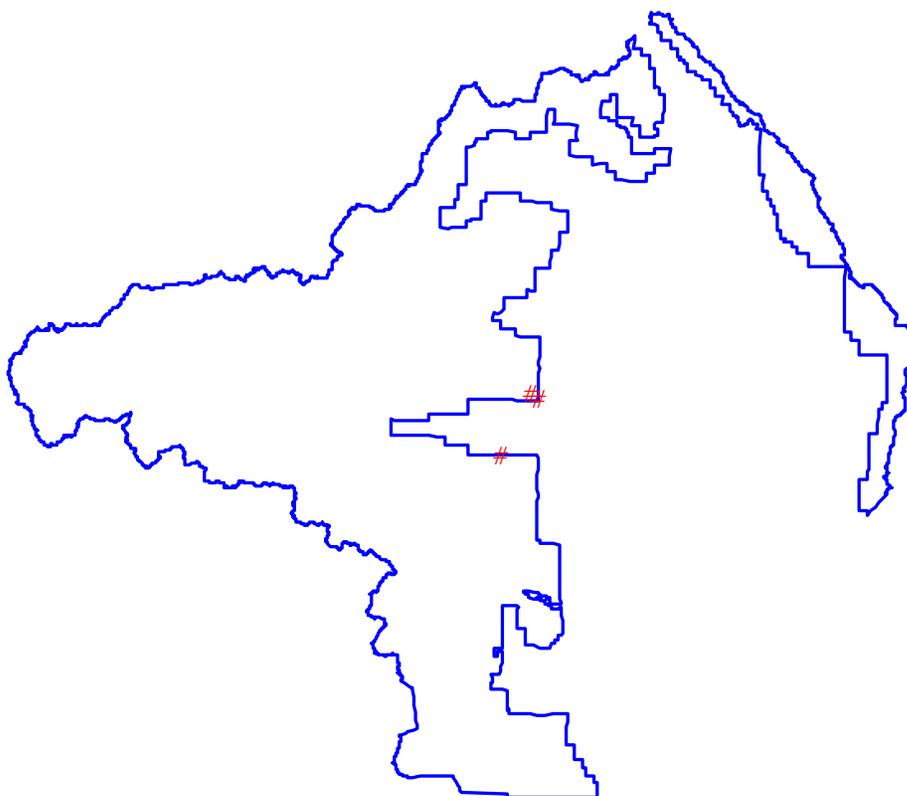
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National Forests in the Rocky Mountain Region where species is KNOWN (K) or LIKELY(L)<sup>1</sup> to occur:

<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				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	X
San Juan NF								Thunder Basin NG	
Rio Grande NF	X								
Pike-San Isabel NF									
Comanche NG									

<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.

**RGNF**  
**Aletes lithophilus Distribution**  
**(Neoparrya lithophila)**



JPM, October 4, 2002