

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Asplenium septentrionale*/Forked Spleenwort, Northern Spleenwort

Criteria	Rank	Rationale	Literature Citations
<p>1 Distribution within R2</p>	<p>A</p>	<p><i>A. septentrionale</i> is a distinct, but inconspicuous and rarely collected fern that occurs in shaded moist rock crevices. It is inconspicuous because it looks more like a clump of grass or sedge than a fern and can easily be overlooked. It occurs in two locations in R2. It is known to occur in Devils Head area in the South Platte RD of ARNF, and but level of survey information for the plant are unavailable. It is reported in WY, but no information for occurrences are available. It is ranked S2 in both CO and S1 in WY. Based on sparse information, the habitats and populations of <i>A. septentrionale</i> appear to be scarce and isolated in R2.</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> • CNHP • USDA, NRCS. 2002. The PLANTS Database, Version 3.5 (http://plants.usda.gov). National Plant Data Center, Baton Rouge, LA 70874-4490 USA. (Accessed September 22, 2002) • NatureServe Explorer: An online encyclopedia of life [web application]. 2001. Version 1.6 . Arlington, Virginia, USA: http://www.natureserve.org/explorer. (Accessed: September 22, 2002) • Root, Peter G., Fern and Sensitive Plant Survey of the Indian Creek-Devils Head Area, Pike National Forest, Douglas County, Colorado., USDA Forest Service, November, 1989.
<p>2 Distribution outside R2</p>	<p>C</p>	<p><i>A. septentrionale</i> has been reported 11 states west of the Mississippi River, including CO and WY. However, no detailed information is available on populations, habitats or surveys at these reported locations. It is ranked as S1 in TX, ID, UT, and OR; S2 in CA; SH in OK, S4 in SD and SR in AZ. Populations appear to be somewhat widely scattered throughout the West outside R2. However, please note that based on inadequate information, confidence in this ranking is low.</p> <p>Confidence in Rank: Low</p>	<ul style="list-style-type: none"> • IBID

ATTACHMENT SS2

Species: <i>Asplenium septentrionale</i> /Forked Spleenwort, Northern Spleenwort			
Criteria	Rank	Rationale	Literature Citations
3 Dispersal Capability	D	<i>A septentrionale</i> s disperses through wind or water borne spores. However, little is known about specific dispersal mechanisms or capability. There is insufficient information to determine capability of this species to disperse. Confidence in Rank: Medium	<ul style="list-style-type: none"> • IBID • L. Watson and M. J. Dallwitz (1992 onwards). The Families of Flowering Plants: Descriptions, Illustrations, Identification, and Information Retrieval. Version: 14th December 2000, Dallwitz (1980), Dallwitz, Paine and Zurcher (1993, 1995, 2000), and Watson and Dallwitz (1991) (Accessed September 22, 2002) http://biodiversity.uno.edu/delta/
4 Abundance in R2	D	No information is available for populations of <i>A septentrionale</i> s in R2. Therefore, abundance cannot be determined. Confidence in Rank Medium	<ul style="list-style-type: none"> • IBID
5 Population Trend in R2	D	No information is available that adequately describes suitable habitat for <i>A septentrionale</i> s in R2. Therefore, population trends cannot be determined. Confidence in Rank Medium	<ul style="list-style-type: none"> • IBID
6 Habitat Trend in R2	D	No detailed information is available for <i>A septentrionale</i> s habitat or trends in R2. Therefore, habitat trends in R2 cannot be determined. Confidence in Rank Medium	<ul style="list-style-type: none"> • IBID
7 Habitat Vulnerability or Modification	D	No detailed information is available for <i>A septentrionale</i> s habitat or threats. The species is likely somewhat protected by its isolated and inaccessible habitats. However, sufficient information is not available to reliably evaluate species or habitat vulnerabilities in R2. Confidence in Rank Medium	<ul style="list-style-type: none"> • IBID
8 Life History and Demographics	D	There is no known published or unpublished information about the population biology, ecology, or demography of <i>A nana</i> . Confidence in Rank Medium	<ul style="list-style-type: none"> • IBID

ATTACHMENT SS2

Species: *Asplenium septentrionale*/Forked Spleenwort, Northern Spleenwort

Criteria	Rank	Rationale	Literature Citations
Initial Evaluator(s): Janice P. McKee, Botanist			Date: 09/22/02

National Forests in the Rocky Mountain Region where species is KNOWN (K) or LIKELY(L)¹ 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
		Cimmaron NG		Samuel R. McKelvie NF		Black Hills NF		Shoshone NF	
				Halsey NF		Buffalo Gap NG		Bighorn NF	
				Nebraska NF		Ft. Pierre NG		Black Hills NF	
				Ogalala NG				Medicine Bow NF	X
								Thunder Basin NG	
	X								

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.