

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

<p><b>Species:</b> (Scientific Name/Common Name) <i>Athyrium americanum</i> (Butters) Maxon/ American alpine ladyfern/ATAM GLOBAL STATUS: <b>G4G5</b>          [Synonyms: <i>Athyrium alpestre</i> (Hoppe) Milde ssp. <i>americanum</i>; <i>Athyrium alpestre</i> (Hoppe) Milde var. <i>americanum</i> F.K. Butters; <i>Athyrium distentifolium</i> Tausch ex Opitz ssp. <i>americanum</i> (Butters) Hulten; <i>Athyrium distentifolium</i> Tausch ex Opiz var. <i>americanum</i> (Butters) Bovin]</p>			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	S1 in Wyoming; unrankable in CO (3 WY locations south of YELL NP, 2WY locations in Sierra Madre - MBR)  Scarce in R2  Confidence in Rank High	<ul style="list-style-type: none"> <li>NatureServe, 2001</li> <li>Atlas of Vascular Plants of Wyoming - www.rmh.edu</li> </ul>
2 Distribution outside R2	B	S1 in Utah, recorded in WA, OR, CA (120 records from CALFLORA), NV, ID, MT, AK Canada: S1 in AB, QC, LB; S3 in BC, N; recorded in ON, YT ATHAME is a circumboreal species, occurring mid to high montane elevations, often near timberline, in rocky slopes and borders of rushing streams  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>NatureServe, 2001</li> <li>CALFlora.org</li> <li>NativePlantNetwork.org</li> </ul>
3 Dispersal Capability	A	ATHAME is a clump-forming perennial and reproduces by spores (alternating generations characteristic of ferns); protocol for propagating available from Native Plant Nursery, Glacier NP  From its distribution in United States, seems to be generally uncommon in suitable habitat  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>NativePlantNetwork.org</li> <li>Flora of North America, Vol 2</li> </ul>
4 Abundance in R2	A	Compared to its known distribution in the U.S., ATHAME is rare in suitable habitat in R2. In WY, where its listed as S1, ATHAME is described as “peripheral”, meaning on the edge of its range. Consequently, Wyoming Natural Diversity Database (WYNDD) considers ATHAME to be a low conservation priority  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>CALFlora.org</li> <li>Flora of North America, Vol 2</li> <li>WYNDD, List of Species of Special Concern, 1999</li> </ul>
5 Population Trend in R2	D	From WYNDD’s List of Species of Special Concern, the historical population trend has been one of moderate decline (listed with “?”) and the current trend is stable (listed with “?”)  Confidence in Rank Low	<ul style="list-style-type: none"> <li>WYNDD, List of Species of Special Concern, 1999</li> </ul>

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<b>6</b> Habitat Trend in R2	<b>B</b>	Habitat: Wet talus slopes, rocky hillsides, alpine meadows 600-3100 m (ca 8000 to 11400 ft documented in WY) This rugged habitat is not susceptible to most human impacts. Trampling could occur if trails are routed through habitat areas  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• Flora of North America, Vol 2</li> <li>• State Species Abstract, WYNDD, 2000</li> </ul>
<b>7</b> Habitat Vulnerability or Modification	<b>B</b>	Habitat not very vulnerable because of difficult accessibility and extreme conditions; however, trampling could be a potential impact if trails are routed through habitat areas  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• State Species Abstract, WYNDD, 2000</li> </ul>
<b>8</b> Life History and Demographics	<b>D</b>	Although ATHAME appears to be fairly straightforward to propagate, it is uncommon in suitable habitat in R2. There is insufficient research available to determine if this is due to life history issues or edge of range issues  Confidence in Rank High	<ul style="list-style-type: none"> <li>• NativePlantNetwork.org</li> <li>• State Species Abstract, WYNDD, 2000</li> </ul>
Initial Evaluator(s):  Beth Burkhart, Botanist, Species Conservation Project/Black Hills NF			Date:  09/12/2002

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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
		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	K
								Thunder Basin 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.