

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Primula egaliksensis</i> / Greenland Primrose			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AD	<p>Greenland Primrose occurs in the Clarks Fork Valley in Park County, Wyoming, on the Shoshone National Forest. In Colorado, it occurs on the Pike-San Isabel National Forest. Therefore, additional information is necessary in order to determine its status in Region 2.</p> <p>This species is found in wet meadows along waterways and in montane fens, often on mounds of patterned peatland, locally drier than adjoining pools. This microhabitat within peatland habitat is highly isolated and patchy. Its range is disjunct in Region 2.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Dorn 2001 • Evert 1986 • Fertig 1995, 1998, 2000a, b • Fertig and Jones 1992 • Fertig et al. 1994 • Mills and Fertig 1996 • Rosenthal 1998, 1999 • University of Wyoming 1998 • USDA Forest Service 2001 • Welp et al. 2000
2 Distribution outside R2	B	<p>Greenland Primrose is known from Greenland and Northern Canada to northeastern Asia. It is disjunct in central Colorado and northwest Wyoming. In Wyoming, it is known from outside of Region 2 in the Upper Green River Valley in Sublette County.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Colorado Native Plant Society 1997 • Dorn 2001 • Fertig 1992a, b, 1996, 2000a, b • Fertig et al. 1991 • Hulten 1968 • Sanderson and March 1996 • Spackman et al. 1997 • University of Wyoming 1998
3 Dispersal Capability	D	<p>Dispersal vectors are unknown.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • -
4 Abundance in R2	AD	<p>Greenland Primrose is known from two extant occurrences in Wyoming, last observed in 1998 and 2002. One occurrence is on the Shoshone National Forest. The total state population is estimated at 10,000-14,000 plants and is restricted to about 105 acres of habitat. This species is ranked "S1" in Wyoming and "S2" in Colorado.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Evert 1986 • Fertig 1992a, b, 1995, 1996, 1998, 2000a, b • Fertig and Jones 1992 • Fertig et al. 1991, 1994 • Mills and Fertig 1996 • Rosenthal 1998, 1999 • University of Wyoming 1998 • USDA Forest Service 2001 • Welp et al. 2000

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5 Population Trend in R2	D	Populations are thought to be stable at present. Low population numbers may be due to the very limited area of suitable habitat, and not the result of a population decline. Confidence in Rank High	<ul style="list-style-type: none"> Fertig 2000b WYNDD 2002
6 Habitat Trend in R2	D	Not known. Confidence in Rank High	<ul style="list-style-type: none"> -
7 Habitat Vulnerability or Modification	BD	Greenland Primrose is threatened by the loss or degradation of wetland habitats by livestock or recreational users. Populations occur in the Swamp Lake Special Botanical Area on the Shoshone National Forest and on lands managed for multiple use by the Bridger-Teton National Forest. Confidence in Rank High	<ul style="list-style-type: none"> Evert 1986 Fertig 1992a, b, 1995, 1996, 1998, 2000a, b Fertig and Jones 1992 Fertig et al. 1991, 1994 Mills and Fertig 1996 Rosenthal 1998, 1999 USDA Forest Service 2001 Welp et al. 2000 WYNDD 2002
8 Life History and Demographics	D	Greenland Primrose is a perennial forb. Flowering and fruiting occur from May through August. Additional information on the species, including life history stages, population structure, longevity, mortality, and seed biology, are not available. Confidence in Rank High	<ul style="list-style-type: none"> Dorn 2001 Fertig 2000b Fertig et al. 1994 Hulten 1968
Initial Evaluator(s): Joy Handley and Scott Laursen			Date: May 3, 2002

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

<u>Colorado NF/NG</u>	Known	Likely	<u>Kansas NF/NG</u>	Known	Likely	<u>Nebraska NF/NG</u>	Known	Likely	<u>South Dakota NF/NG</u>	Known	Likely	<u>Wyoming NF/NG</u>	Known	Likely
Arapaho-Roosevelt NF			Cimmaron NG			Samuel R. McKelvie NF			Black Hills NF			Shoshone NF	X	
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		
San Juan NF												Thunder Basin NG		
Rio Grande NF														
Pike-San Isabel NF	X													
Comanche NG														

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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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