

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Rubus acaulis* / Nagoon Berry , Northern Blackberry (*R. arcticus* ssp. *acaulis*, *Cylactis arctica* ssp. *acaulis*)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AD	<p>Nagoon Berry occurs in the Bighorn Mountains in Johnson County, Wyoming, on the Bighorn National Forest. It also occurs in Colorado, therefore, additional information is necessary in order to determine its status in Region 2.</p> <p>Nagoon Berry is found in the understory of moderate to dense canopy covers in spruce, spruce/willow, and occasionally willow dominated communities. In Wyoming, it has been found in boggy woods and marshes, mountain meadows, and alpine tundra at 7,000 to 9,000 feet. Its range is very limited in the state.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Dorn 2001 • Fertig 2000a, b, c • Fertig et al. 1994 • Girard 1992 • Spackman et al. 1997 • University of Wyoming 1998 • USDA Forest Service 2001 • Welp et al. 2000
2 Distribution outside R2	C	<p>Nagoon Berry is known from Alaska to Newfoundland, south to British Columbia and Minnesota and in the Rocky Mountains from Montana to Colorado. In Wyoming, it is known from outside of Region 2 on the Yellowstone Plateau in Teton County.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Dorn 2001 • Fertig 2000b, c • Hitchcock and Cronquist 1961 • WYNDD 2002
3 Dispersal Capability	CD	<p>Some birds and small mammals are known to eat the fruit, therefore, it may be inferred that there is some animal dispersal across unsuitable habitat.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Martin et al. 1951
4 Abundance in R2	AD	<p>Nagoon Berry is known from 3 extant records (all observed since 1995) and 1 vague historical report in Wyoming. Two of the extant records are on the Bighorn National Forest. The Bighorn Range population contained hundreds of thousands of stems (representing an unknown number of genetically distinct individuals, due to the plants clonal nature) within a small geographic area in 1999. It is reported as "relatively abundant" at one site in Yellowstone National Park by J. Whipple. This taxon is ranked "S1" in Wyoming and Colorado.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Fertig 2000a, b, c • Fertig et al. 1994 • Girard 1992 • University of Wyoming 1998 • USDA Forest Service 2001 • Welp et al. 2000 • WYNDD 2002
5 Population Trend in R2	D	<p>Probably stable.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Fertig 2000c

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Criteria	Rank	Rationale	Literature Citations
6 Habitat Trend in R2	D	Not known. Confidence in Rank High	• -
7 Habitat Vulnerability or Modification	BD	Nagoon Berry may be impacted by reservoir development in the Bighorns or by logging, grazing, and high recreation use. It occurs on lands managed for multiple use by the Bighorn National Forest and in Yellowstone National Park. Confidence in Rank Medium	<ul style="list-style-type: none"> • Fertig 2000a, b, c • Fertig et al. 1994 • Girard 1992 • Welp et al. 2000 • WYNDD 2002
8 Life History and Demographics	D	Nagoon Berry is a woody, rhizomatous, perennial forb. Flowering and fruiting occur from June through July. 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"> • Fertig 2000c • Hitchcock and Cronquist 1961
Initial Evaluator(s): Bonnie Heidel, Joy Handley and Scott Laursen			Date: May 7, 2002

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

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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<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		
White River NF						Halsey NF			Buffalo Gap NG			Bighorn NF	X	
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														

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