

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Potentilla ambigens* / Southern Rocky Mountain Cinquefoil

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AD	<p>Southern Rocky Mountain Cinquefoil is known only from one Wyoming occurrence in the Laramie Range in Albany County. It was collected north of the Pole Mountain unit of the Medicine Bow NF and is not known to occur on lands administered by Region 2 in Wyoming. In Colorado, it occurs on the Arapaho-Roosevelt and Rio Grande national forests. Therefore, additional information is necessary in order to determine its status in Region 2.</p> <p>The Wyoming population was found in a sandy draw in montane foothills at 6,000 feet, considerably below national forest boundaries. Its range in the state is very limited and it may have been extirpated.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Dorn 2001 • Harrington 1954 • University of Wyoming 1998 • USDA Forest Service 2001 • WYNDD 2002
2 Distribution outside R2	B	<p>Giant cinquefoil is known from southern Wyoming to New Mexico.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Colorado Native Plant Society 1997 • Dorn 2001 • University of Wyoming 1998 • WYNDD 2002
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>Southern Rocky Mountain Cinquefoil is known from one historical record in Wyoming, last observed in 1900. This species is ranked "SH" in Wyoming and "S1S2" in Colorado.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • University of Wyoming 1998 • USDA Forest Service 2001 • WYNDD 2002
5 Population Trend in R2	AD	<p>This species has not been observed in Wyoming since 1900 and may be extirpated.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • WYNDD 2002

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Criteria	Rank	Rationale	Literature Citations
6 Habitat Trend in R2	D	Unknown. Confidence in Rank High	• -
7 Habitat Vulnerability or Modification	D	Threats are not known. The single occurrence was found on private land or BLM land (managed by the Rawlins District). No known populations are found in special management areas. Confidence in Rank High	• WYNDD 2002
8 Life History and Demographics	D	Giant cinquefoil is a taprooted, perennial forb. Flowering and fruiting occur from July 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"> • Colorado Native Plant Society 1997 • Dorn 2001 • Harrington 1954
Initial Evaluator(s): Joy Handley and Bonnie Heidel			Date: May 2, 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	X		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		
San Juan NF												Thunder Basin NG		
Rio Grande NF	X													
Pike-San Isabel NF														
Comanche NG														

Literature cited

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Dorn, R.D. 2001. Vascular Plants of Wyoming, second edition. Mountain West Publishing, Cheyenne, WY.

Harrington, H. D. 1954. Manual of the Plants of Colorado. Sage Books, Chicago, IL.

University of Wyoming – Rocky Mountain Herbarium. 1998. Atlas of the Flora of Wyoming. Posted electronically through 1998 at: <http://www.esb.utexas.edu/tchumley/wyomap/> and unposted accession information at the Rocky Mountain Herbarium through 2001.

USDA Forest Service – Region 2. 2001. “Wyoming plant species” evaluation list and criteria provided to Wyoming Natural Diversity Database. Denver, CO.

Wyoming Natural Diversity Database. 2002. Ongoing documentation of sensitive species distribution, biology, status, and references for the state of Wyoming. University of Wyoming, Laramie.