

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Potentilla rupencola</i> ( <i>Potentilla effusa</i> var. <i>rupincola</i> )/Rocky Mountain Cinquefoil, Front Range Cinquefoil (USDA Common Name: Rock Cinquefoil)			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	<b>A</b>	<i>P. rupencola</i> is a small, perennial in the Rose family. It occurs in mountains between 2100 and 3200; on gravelly soils; on shelves or niches of cliffs, often on granite. It has been found in ponderosa pine and juniper communities. It was originally identified in the Cache La Poudre Canyon about 40 miles upstream from Ft. Collins in the late 1800s. It is now known to occur in Larimer, Boulder, and Clear Creek counties in CO (S2). Most populations occur in Larimer County in Cherokee Park and Virginia Dale. It occurs on the ARNF and the PSKINF. Records indicate suitable habitat in the area of known populations was searched in 1989, 1990, and 1991, but no information is available on subsequent or planned surveys for this species. This species is considered rare and isolated in R2.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• CNHP</li> <li>• USDA, NRCS. 2002. The PLANTS Database, Version 3.5 (<a href="http://plants.usda.gov">http://plants.usda.gov</a>). National Plant Data Center, Baton Rouge, LA 70874-4490 USA. (Accessed October 4, 2002)</li> <li>• NatureServe Explorer: An online encyclopedia of life [web application]. 2001. Version 1.6. Arlington, Virginia, USA: <a href="http://www.natureserve.org/explore">http://www.natureserve.org/explore</a>. (Accessed: October 4, 2002)</li> </ul>
2 Distribution outside R2	<b>A</b>	<i>P. rupencola</i> is not known to occur outside R2.  Confidence in Rank: Medium	<ul style="list-style-type: none"> <li>• IBID</li> </ul>
3 Dispersal Capability	<b>A</b>	No detailed information is available on reproductive or dispersal strategies of <i>P. rupencola</i> . However, the <i>Potentilla</i> genus generally produces an abundance of small seeds. Small seeds are likely dispersed through water or animals. Some cinquefoils also reproduce vegetative through rhizomes, adventitious rooting or other means. Considering the scattered distribution of this plant and the likely barriers of unsuitable habitat between populations, this species is ranked A.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• IBID</li> <li>• USFS Database, <i>Potentilla newberryi</i>. <a href="http://www.fs.fed.us/database/feis/plants/for/potnew/all.html">www.fs.fed.us/database/feis/plants/for/potnew/all.html</a> (Accessed September 28, 2002)</li> </ul>
4 Abundance in R2	<b>A</b>	Little information is available on population size or abundance of this species. One report indicates population sizes are small. Even though information is sparse, it appears abundance of <i>P. rupencola</i> is very low in R2.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• IBID</li> </ul>
5 Population Trend in R2	<b>D</b>	Since there has been so few observations of this species, population trend information is not available.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• IBID</li> </ul>

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Criteria	Rank	Rationale	Literature Citations
<b>6</b> Habitat Trend in R2	<b>D</b>	Habitat for this species is sparsely described for this species and no information is available on habitat trends in R2.  Confidence in Rank Medium	• IBID
<b>7</b> Habitat Vulnerability or Modification	<b>B</b>	Suitable habitat and known populations occur on inaccessible promontories. It is reported to be fairly resistance to disturbance, but no detailed information is available. No grazing impacts or signs of disturbance have been observed. Based on its restricted distribution, this species and its habitats are considered somewhat vulnerable and ranked B.  Confidence in Rank Medium	• IBID
<b>8</b> Life History and Demographics	<b>D</b>	Information on life history, ecology, and demography are included in Sections 1-7 of this evaluation. However, no information is available on reproductive rates or mortality of this species.  Confidence in Rank Medium	• IBID
Initial Evaluator(s):  Janice P. McKee, Botanist			Date: 09/26/02

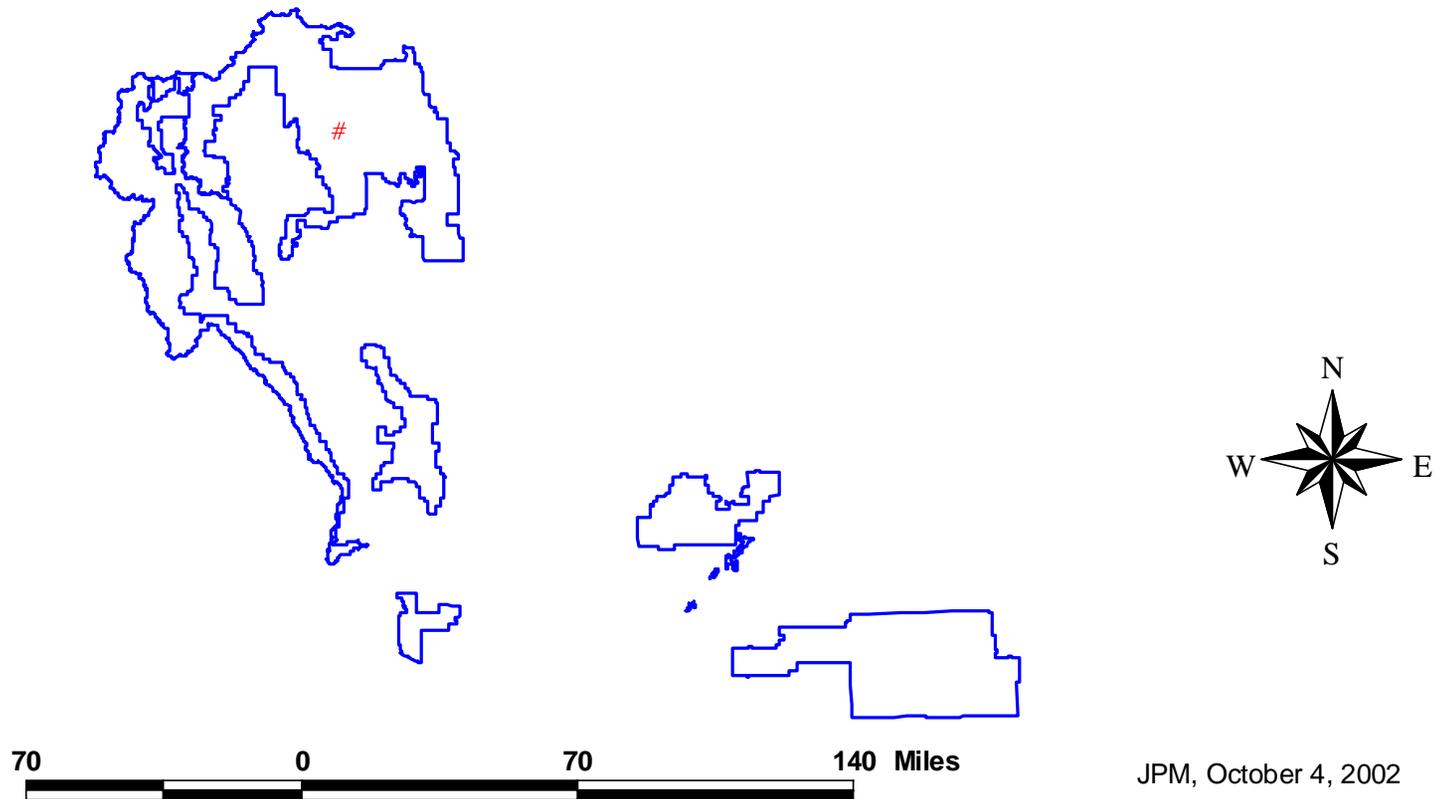
National Forests in the Rocky Mountain Region where species is KNOWN (K) or LIKELY(L)<sup>1</sup> to occur:

<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.

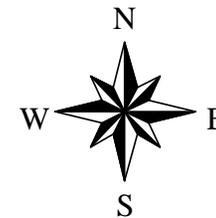
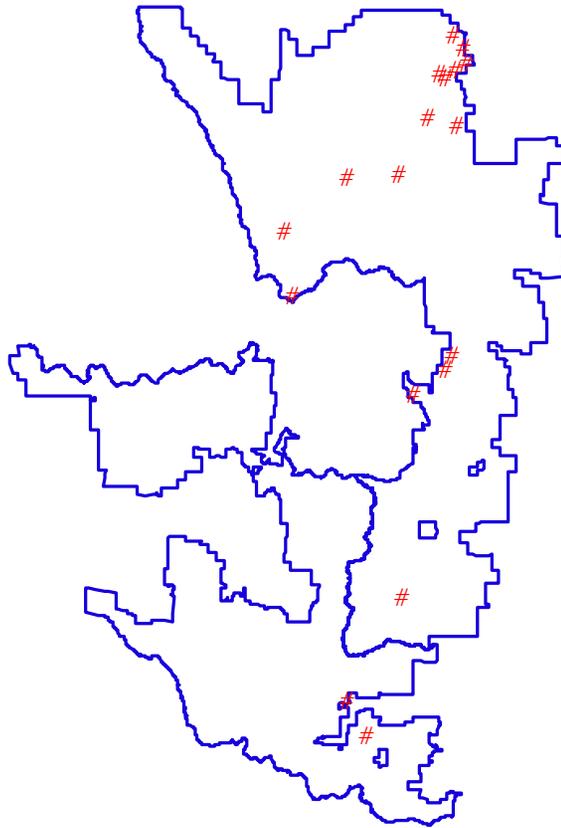
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<u>Colorado NF/NG</u>		<u>Kansas NF/NG</u>		<u>Nebraska NF/NG</u>		<u>South Dakota NF/NG</u>		<u>Wyoming NF/NG</u>	
Known	Likely	Known	Likely	Known	Likely	Known	Likely	Known	Likely
Arapaho-Roosevelt NF	X	Cimmaron NG		Samuel R. McKelvie NF		Black Hills NF		Shoshone NF	
White River NF				Halsey NF		Buffalo Gap NG		Bighorn NF	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	X								
Comanche NG									

# PKSI *Potentilla rupincola* Distribution



**ARNF**  
**Potentilla rupincola Distribution**  
**(Potentilla effusa var. rupincola)**



JPM, October 4, 2002