

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Physaria didymocarpa</i> var. <i>lanata</i> – Common or Woolly Twinpod - PHDIL			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	B	Regional endemic of north-central WY and adjacent south-central MT. Known from 14 occurrences in WY, from the foothills of the Bighorn Range and Powder River Basin in Big Horn, Campbell, Johnson and Sheridan counties. 3 occurrences on Bighorn NF. 13 of 14 known occurrences in WY within TNC Bighorn Landscape. Confidence in Rank High	<ul style="list-style-type: none"> • Scholl and Smith, 2000 • Welp, et al., 2000 • Fertig, 1999
2 Distribution outside R2	A	One known location in Big Horn county MT. Confidence in Rank High	<ul style="list-style-type: none"> • MT Heritage program website.
3 Dispersal Capability	D	Unknown Confidence in Rank	<ul style="list-style-type: none"> •
4 Abundance in R2	A/B	Individual populations range from small to locally common, but are always within a restricted habitat. Confidence in Rank Medium	<ul style="list-style-type: none"> • Fertig, 1999 • Scholl and Smith, 2000 • Welp, et al., 2000
5 Population Trend in R2	D	Not known – Scholl and Smith, 2000. Threats: may be impacted by livestock trampling, recreational use of habitat, mining. Better information is needed on population size, trends and response to management. Confidence in Rank High or Medium or Low	<ul style="list-style-type: none"> • Scholl and Smith, 2000 • Welp, et al., 2000 • Fertig, 1999
6 Habitat Trend in R2	D	Unknown Confidence in Rank High or Medium or Low	<ul style="list-style-type: none"> •

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<p>7 Habitat Vulnerability or Modification</p>	B	<p>Two populations fairly protected within TNC Conservation Easements on east slope of Bighorns. Two populations in State of Wyoming Wildlife Habitat Management Areas. Remaining populations on land open to multiple use.</p> <p>This plant is one of ten listed as highest priority for conservation within the Bighorn landscape. Confidence in Rank Medium</p>	<ul style="list-style-type: none"> Fertig, 1999 Scholl and Smith, 2000
<p>8 Life History and Demographics</p>	D	<p>Unknown</p> <p>Confidence in Rank High or Medium or Low</p>	<ul style="list-style-type: none">
<p>Evaluator(s): Bernie Bornong, Bighorn NF</p>			<p>Date: 7/6/01</p>

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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		
White River NF						Halsey NF			Buffalo Gap NG			Bighorn NF	K	
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														

Bibliography

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Girard, Michelle; Wheeler, David L.; Mills, Stephanie B. 1997. Classification of Riparian Communities on the Bighorn National Forest. USDA Forest Service.

Neighbours, Mary L. 1998. Bighorn National Forest: Known Occurrences of Animals and Plants – Threatened, Endangered, Forest Sensitive and Otherwise of Concern and Occurrences of Communities. Wyoming Natural Diversity Database.

Nelson, B.E. and Hartman, R.L. 1984. Flora of the Big Horn Mountains, checklist. Report prepared by the Rocky Mountain Herbarium, University of Wyoming, Laramie, WY.

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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