

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Palafoxia rosea var. macrolepis* / Rosy Palafoxia

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AD	<p>Rosy Palafoxia occurs in the Powder and Cheyenne river basins in Converse County, Wyoming, on the Thunder Basin National Grassland. It is known from lands not administered by Region 2 in the Eastern Plains in Goshen County, Wyoming. It also occurs in extreme southeastern Colorado and in three southern counties of Kansas, therefore, additional information is necessary in order to determine its status in Region 2.</p> <p>Rangewide, this taxon is found on sandy soils in plains. Wyoming populations occur in sandy sagebrush and mixed-grass prairie communities on knolls and slopes at 4100 to 4860 feet. Its range is very limited in the state and it is considered disjunct.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Dorn 2001 • Fertig 2001 • Great Plains Flora Association 1986 • Turner and Morris 1976 • University of Wyoming 1998 • Weber and Wittman 2001
2 Distribution outside R2	B	<p>Rosy Palafoxia is known from the southwest Great Plains from western Oklahoma and southern Texas to New Mexico, with disjunct populations in eastern Wyoming.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Dorn 2001 • Fertig 2001 • Great Plains Flora Association 1986 • 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>Rosy Palafoxia is known from at least 4 extant occurrences in Wyoming (last observed in 1996). Three occurrences are on the Thunder Basin National Grassland. Census data are lacking. This taxon is ranked "S1" in Wyoming, it is known only from historical records in Kansas, and it is present but not ranked in Colorado.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Fertig 2001 • NatureServe 2002 • University of Wyoming 1998 • WYNDD 2002
5 Population Trend in R2	D	<p>Not known.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • -

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6 Habitat Trend in R2	D	Not known. Confidence in Rank High	• -
7 Habitat Vulnerability or Modification	BD	Populations could be affected by road building, mineral exploration, and competition from introduced weeds. Rosy Palafoxia occurs on lands managed for multiple use by the Thunder Basin National Grasslands. It also occurs in the Rawhide Wildlife Habitat Management Area. Confidence in Rank High	<ul style="list-style-type: none"> • Fertig 2001 • WYNDD 2002
8 Life History and Demographics	D	Rosy Palafoxia is a taprooted, annual forb. Flowering and fruiting occur from June through September. Additional information on the species, including life history stages, population structure, longevity, mortality, pollination biology and seed biology, are not available. Confidence in Rank High	<ul style="list-style-type: none"> • Fertig 2001 • Great Plains Flora Association 1986
Initial Evaluator(s): Joy Handley and Scott Laursen			Date: April 16, 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>		<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
		Cimmaron NG		Samuel R. McKelvie NF		Black Hills NF		Shoshone NF	
				Halsey NF		Buffalo Gap NG		Bighorn NF	
				Nebraska NF		Ft. Pierre NG		Black Hills NF	
				Ogalala NG				Medicine Bow NF	
								Thunder Basin NG	X

Literature cited

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