

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Hilaria jamesii* / James Galleta (*Pleuraphis jamesii*)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	BD	<p>Region 2 harbors the northern and eastern portions of James Galleta's distribution, occurring in southern Wyoming and western Kansas, as well as Colorado. It is located in the Hanna and Washakie basins within the Region 2 perimeter as it crosses Wyoming but does not occur on national forests of Region 2. In Kansas, it is located on the Cimarron National Grassland.</p> <p>In Wyoming, James Galleta is commonly found between 6100-7100 feet in elevation within <i>Juniperus osteosperma</i> woodlands, in <i>Artemisia tridentata</i> var. <i>tridentata</i> grassland, in sandy-clay soils of ridgelines, and plains with abundant surface cobbles. Such habitats represent a variety of substrates and vegetation types that are extensive though they may be discontinuous on the landscape.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Cronquist et al. 1977 • Dorn 2001 • USDA Forest Service R2 2001 • University of Wyoming 1998
2 Distribution outside R2	C	<p>James Galleta occurs to the south and west of the Region 2 border in Wyoming. It is distributed from California to Wyoming and Kansas, and south to Texas and Mexico. It is also present outside the Region 2 perimeter in Wyoming, in the Green River Basin.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Cronquist et al. 1977 • NatureServe 2002
3 Dispersal Capability	D	<p>Not known.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • -
4 Abundance in R2	BD	<p>This species occurs in 15 locations in southern Wyoming, of which 8 are within the Rocky Mountain Region, but all are outside of national forest boundaries. It is ranked "S2" but is not tracked in Wyoming. It is ranked "S1" in Kansas. It is present but not tracked in Colorado.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • 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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Criteria	Rank	Rationale	Literature Citations
6 Habitat Trend in R2	D	Not known. Confidence in Rank High	• -
7 Habitat Vulnerability or Modification	BD	All species of <i>Hilaria</i> are important range grasses and resist close grazing (Hitchcock 1971). The grazing pressure across the range of habitats occupied by the species is not known. Confidence in Rank High	• Hitchcock 1971
8 Life History and Demographics	D	James galleta is a strongly rhizomatous perennial. Life history information on this species, including life history stages, population structure, longevity, mortality, pollination biology and seed biology, are not available. Confidence in Rank High	•
Initial Evaluator(s): Bonnie Heidel and Scott Laursen			Date: May 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>	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	X		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														
Pike-San Isabel NF														
Comanche NG														

Literature cited

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

Hitchcock, A.S. 1971. Manual of the Grasses of the United States, 2 vol. Dover Publications, Inc. New York, NY.

NatureServe. 2002. Explorer – an encyclopedia of life. Plant and animal data posted at www.natureserveexplorer.org, Arlington, VA.

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.

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