

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Eleocharis rostellata</i> /beaked spikerush			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	B	<p><i>E. rostellata</i> is an obligate wetland species that occurs in many types of alkaline wetlands including salt and brackish marshes, tidal flats, alkaline seeps, bogs, stream margins, hot spring edges and swamps. These habitats occur in patches throughout R2.</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> NatureServe: An online encyclopedia of life [web application]. 2001. Version 1.4 Arlington, Virginia, USA: Association for Biodiversity Information. Available: http://www.natureserve.org/. (Accessed: July 9, 2001) Rocky Mountain Herbarium, University of Wyoming: Atlas of the Vascular Plants of Wyoming. 2001. Available: http://www.rmh.uwyo.edu. (Accessed July 17, 2001) McGregor, R.L. et. al. 1986. Flora of the Great Plains. University Press of Kansas. Lawrence, Kansas
2 Distribution outside R2	C	<p><i>E. rostellata</i> has a wide distribution outside R2, however, many states list <i>E. rostellata</i> as S1 or S2 and a large group of states rank it only as SR (recorded).</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> IBID
3 Dispersal Capability	B	<p><i>E. rostellata</i> disperses only through suitable habitat, which is not contiguous in the arid West. It can reproduce vegetatively by sprouting or layering (layering = culms that arch to the ground and root in moist soil from the apical bulbil).</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> IBID
4 Abundance in R2	B	<p><i>E. rostellata</i> appears to be abundant enough in R2 such that it would take highly variable environmental factors to combine with demographic stochasticity to pose a threat to the species' existence.</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> IBID

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5 Population Trend in R2	D	No information on population trend available. Confidence in Rank High	<ul style="list-style-type: none"> • IBID
6 Habitat Trend in R2	A	Wet, alkaline habitat is not available in large areas and, in the arid west, is generally susceptible to intensive grazing impacts. Confidence in Rank Medium	<ul style="list-style-type: none"> • IBID
7 Habitat Vulnerability or Modification	A	Wet, alkaline habitat is not available in large areas and, in the arid west, is generally susceptible to intensive grazing impacts. Confidence in Rank Medium	<ul style="list-style-type: none"> • IBID
8 Life History and Demographics	D	Little is known about E. rostellata reproductive rates and mortality factors. Confidence in Rank High	<ul style="list-style-type: none"> • IBID
Initial Evaluator(s): Beth Burkhart, Fall River Ranger District, Buffalo Gap National Grassland			Date: 7/17/2001

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
Arapaho-Roosevelt NF		Cimmaron NG		Samuel R. McKelvie NF		Black Hills NF	X	Shoshone NF	X
White River NF				Halsey NF		Buffalo Gap NG		Bighorn NF	X
Routt NF				Nebraska NF		Ft. Pierre NG		Black Hills NF	X
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									