

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: Carex leptalea Wahlenb. / bristly-stalk sedge/delicate sedge / CALE10 (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AB	Black Hills, nw WY, cent CO. Confidence in Rank Medium	<ul style="list-style-type: none"> Johnston 2001, WYNDD 2001, Spackman et al. 1997.
2 Distribution outside R2	C	A boreal/subarctic species ranging across N.Am. from AK to LAB & Nfdl south to n CA, UT, NM, TX, AL, FL. Confidence in Rank High	<ul style="list-style-type: none"> NatureServe 2001, Hermann 1970.
3 Dispersal Capability	B	No obvious dispersal mechanisms, very habitat specific in a region where suitable habitats are scattered. Confidence in Rank Medium	<ul style="list-style-type: none">
4 Abundance in R2	AB	CO: 4 occurrences WY: 11 extant and 2 historical occurrences SD: 8 extant + 1 historical occurrences in the cent & n Black Hills Probably somewhat undercollected but very habitat specific. Confidence in Rank Medium	<ul style="list-style-type: none"> Spackman et al. 1997, Johnston 2001, WYNDD 2001, SDNHD 2001.
5 Population Trend in R2	D	Often interpreted as a Pleistocene relict. Doubtful that it's increased, but we don't have many historical records or quantitative descriptions to suggest a decline. Confidence in Rank Medium	<ul style="list-style-type: none">
6 Habitat Trend in R2	BA	In R2 inhabits saturated organic substrates (peat) of rich fens, bogs, conifer swamps at 5,000 to 10,000 ft. Requires pH > 5.4, and prefers some shade (in MN). An obligate wetland sp. Probably some decline because of hydrologic modification, road construction, etc. but these habitats are usually not targeted for logging or development, and livestock often ignore them except for shade. Confidence in Rank Medium	<ul style="list-style-type: none"> Spackman et al. 1997, Hermann 1970, WYNDD 2001, SDNHD 2001, Wheeler 1981.
7 Habitat Vulnerability or Modification	B	Certainly vulnerable to upstream or aquifer hydrologic modification. Confidence in Rank Medium	<ul style="list-style-type: none">

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8 Life History and Demographics	D	Confidence in Rank Medium	•
Evaluator(s): David J. Ode			Date: 9 November, 2001

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

Species Name:														
<u>Colorado NF/NG</u>	Known		<u>Kansas NF/NG</u>	Known		<u>Nebraska NF/NG</u>	Known		<u>South Dakota NF/NG</u>	Known		<u>Wyoming NF/NG</u>	Known	
	Likely			Likely			Likely			Likely			Likely	
Arapaho-Roosevelt NF	X		Cimarron NG			Samuel R. McKelvie NF			Black Hills NF	X		Shoshone NF	X	
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														
Pawnee NG														

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.

Sources Cited

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- NatureServe: An online encyclopedia of life [web application]. 2001. Version 1.5 . Arlington, Virginia, USA: Association for Biodiversity Information. Available: <http://www.natureserve.org/>. (Accessed: October 11, 2001).
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- Wyoming Natural Diversity Database (WYNDD). 2001. Plant species of concern list, species summary. Web Site: http://uwadmnweb.uwyo.edu/wyndd/Plants/plant_species.htm