

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: Carex bella Bailey / elegant sedge/southwestern showy sedge / CABE3 (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	B	Mtns. of cent & sw CO at 8,000 - 11,000', and central Black Hills, SD. Confidence in Rank Medium	<ul style="list-style-type: none"> Harrington 1964, GPFA 1986, Hermann 1970, Johnston 2001.
2 Distribution outside R2	BC	High mtns. of AZ & NM north to n UT & n CO, then apparently disjunct in Black Hills of SD and in Nuevo Leon, Mex. Confidence in Rank Medium	<ul style="list-style-type: none"> Hermann 1970, Glisson 2001.
3 Dispersal Capability	B	No obvious long-distance dispersal mechanisms. Seeds/perigynia locally dispersed by wind & water. Confidence in Rank Medium	<ul style="list-style-type: none">
4 Abundance in R2	BC	SD: six recent occurrences in central Black Hills. CO: "Common...in montane zone or lower subalpine zone in mtns. of c & s CO," (p. 81, Johnston 2001). RM: "Occasional to frequent....where locally abundant it is an important forage sedge, but it usually occurs only as scattered plants," (p. 318, Hermann 1970). Confidence in Rank Low	<ul style="list-style-type: none"> SDNHD 2001, Johnston 2001, Weber 1976, Weber & Wittmann 2001, Harrington 1964, Glisson 2001, Hermann 1970.
5 Population Trend in R2	D	 Confidence in Rank Medium	<ul style="list-style-type: none">
6 Habitat Trend in R2	D	Occurs along streams, in moist woods and wet meadows mostly in spruce-fir zone to lower alpine. One site in BHs lost or impacted by hiking trail and hikers. Confidence in Rank Low	<ul style="list-style-type: none"> Hermann 1970, Correll & Correll 1972, Lewis 1958, SDNHD 2001.
7 Habitat Vulnerability or Modification	B	Vulnerable to hydrologic modification and overgrazing. It's habitation of higher elevations probably lessens the threat and increases the likelihood of it occurring in "protected" areas. "Highly palatable to all classes (of livestock) but scattered," (p. 35, Lewis 1958). Confidence in Rank Medium	<ul style="list-style-type: none"> Hermann 1970, Lewis 1958.

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8 Life History and Demographics	D	Perennial. Reproduces vegetatively from short tillers. Low seed production. Confidence in Rank Medium	<ul style="list-style-type: none"> Glisson 2001.
Evaluator(s): David J. Ode			Date: 17 December, 2001

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

Species Name: Carex bella														
<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		?	Cimarron NG			Samuel R. McKelvie NF			Black Hills NF	X		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		X				Ogalala NG						Medicine Bow NF		
San Juan NF		X										Thunder Basin NG		
Rio Grande NF		X												
Pike-San Isabel NF		?												
Comanche NG														
Pawnee NG														

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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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