

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Carex deweyana* var. *bolanderi* / Bolander's Sedge (*Carex bolanderi*)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	<p>Bolander's Sedge occurs in Region 2 only in the Absaroka Range on the Shoshone National Forest in Park County, Wyoming.</p> <p>In Wyoming, this taxon is found in forest openings, moist woodlands, and along streambanks in the mountains (6900-7200 feet).</p> <p>NOTE: The type variety, <i>Carex deweyana</i> var <i>deweyana</i>, is in all five states of Region 2. However, <i>C. d.</i> var. <i>bolanderi</i> is present only in Wyoming.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Cronquist et al. 1977 • Dorn 1992 • Fertig 1998, 1999 • Hurd et al. 1998 • University of Wyoming 1998
2 Distribution outside R2	C	<p><i>Carex deweyana</i> occurs from the Northwest Territories and British Columbia to Labrador and south to Pennsylvania, Michigan, Iowa, Colorado, and California. The variety <i>C. d.</i> var. <i>bolanderi</i> is the cordilleran phase of the species, extending from British Columbia to Alberta and south to California, Utah, and New Mexico. In Wyoming, var. <i>bolanderi</i> occurs outside Region 2 in the Salt River and Teton ranges (Lincoln and Teton counties).</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Cronquist et al. 1977 • Fertig 1999 • Hermann 1970 • Hurd et al. 1998
3 Dispersal Capability	D	<p>Dispersal vectors are not known.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • -
4 Abundance in R2	D	<p>Bolander's sedge is known from 3 extant occurrences in Wyoming, all observed between 1976-1987. It has also recently reported from the Grand Teton area. Two of the recorded populations are on the Shoshone National Forest. Census data are lacking.</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> • Fertig 1998 • Fertig 1999
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	B	This taxon may be impacted by changes in wetland habitats. It occurs on the Swift Creek Research Natural Area managed by Bridger-Teton National Forest. The other populations in Wyoming are Shoshone National Forests lands managed for multiple use. Confidence in Rank Low	<ul style="list-style-type: none"> • Fertig 1998 • Fertig 1999
8 Life History and Demographics	D	This perennial sedge spreads by slender rhizomes, forming loose to dense tufts. It is wind-pollinated, like other members of the genus. Flowering and fruiting occur from June through August. Additional information on the taxon, including life history stages, population structure, longevity, mortality, and seed biology, are not available. Confidence in Rank High	<ul style="list-style-type: none"> • Cronquist et al. 1977 • Hermann 1970 • Hurd et al. 1998
Initial Evaluator(s): Joy Handley, Bonnie Heidel and Scott Laursen			Date: February 14, 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			Samuel R. McKelvie NF			Black Hills NF			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														

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