

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: ***Eriophorum gracile*** W. Koch / slender cottonsedge / ERGR8
 (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)

| Criteria | Rank | Rationale | Literature Citations |
|------------------------------|------|--|---|
| 1 Distribution within R2 | A | CO: South Park NEB: ncent WY: nw SD: scent (also ne SD) Confidence in Rank Medium | <ul style="list-style-type: none"> Weber & Wittmann 2001, Larson 1993, RM 2001, GPFA 1977, SDNHD 2001. |
| 2 Distribution outside R2 | C | Circumboreal. South in North America to PA, IN, IA, NE, CO, ID, CA. Confidence in Rank High | <ul style="list-style-type: none"> Larson 1993 |
| 3 Dispersal Capability | B | Small seeds (2mm long) with long, fine bristles enable some wind dispersal. But, in this region, it's long distances between small patches of suitable habitat. Confidence in Rank Medium | <ul style="list-style-type: none"> Gleason 1952 |
| 4 Abundance in R2 | AB | CO: >11 occurrences, 6 recent, 5 historical. SD: Single extant site at LaCreek NWR (one historic site in ne SD). NEB: one or two sites in Cherry & Thomas co's. WY: Single occurrence in Shoshone NF(?) (also Grand Teton NP). Confidence in Rank Medium | <ul style="list-style-type: none"> CONHP 2000, Weber & Wittmann 2001, SDNHD 2001, WYNDD 2001, Larson 1993. |
| 5 Population Trend in R2 | AB | See comments below about known sites destroyed. Confidence in Rank Medium | <ul style="list-style-type: none"> |
| 6 Habitat Trend in R2 | A | Inhabits fens, bogs, peatlands, and other open, saturated, organic substrates. At least one historic site in SD has been destroyed. And, appaently two sites in CO have been destroyed (Weber & Wittmann 2001). Also, historic habitat at LaCreek NWR was destroyed by construction of ponds. Confidence in Rank Medium | <ul style="list-style-type: none"> SDNHD 2001, Weber & Wittmann 2001. |

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| 7 Habitat Vulnerability or Modification | AB | Vulnerable to hydrologic modification for water development, road construction, etc. also peat mining, bog iron mining, etc. Confidence in Rank Medium | • |
| 8 Life History and Demographics | D | Reproduces by seed and vegetatively from tillers. Confidence in Rank Medium | • |
| Evaluator(s): David J. Ode | | | Date: 20 November, 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.

Species Name: ***Eriophorum gracile***

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| Colorado NF/NG | | Kansas NF/NG | | Nebraska NF/NG | | South Dakota NF/NG | | Wyoming NF/NG | |
|-----------------------|--------|---------------------|--------|-----------------------|--------|---------------------------|--------|----------------------|--------|
| Known | Likely | Known | Likely | Known | Likely | Known | Likely | Known | Likely |
| | ? | Cimarron NG | | Samuel R. McKelvie NF | | Black Hills NF | | Shoshone NF | X |
| | | | | Halsey NF | | Buffalo Gap NG | | Bighorn NF | |
| | | | | Nebraska NF | | Ft. Pierre NG | | Black Hills NF | |
| | ? | | | Ogalala NG | | | | Medicine Bow NF | |
| | | | | | | | | Thunder Basin NG | |
| | | | | | | | | | |
| | ? | | | | | | | | |
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Sources Cited

Colorado Natural Heritage Program (CONHP). 2000. Statewide element occurrences, GIS data layer. Fort Collins, CO. Accessed December, 2001 from Web Site: <http://www.cnhp.colostate.edu/>

Gleason, Henry A. 1952. The New Britton and Brown Illustrated Flora of the Northeastern United States and Adjacent Canada. 3 Vols., New York Botanical Garden, New York, NY.

Great Plains Flora Association (GPFA). 1977. Atlas of the Flora of the Great Plains. Iowa State University Press, Ames, IA.

Larson, Gary E. 1993. Aquatic and Wetland Vascular Plants of the Northern Great Plains. Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-238, Fort Collins, CO.

Rocky Mountain Herbarium (RM). 2001. Atlas of Vascular Plants of Wyoming. Web site: <http://www.esb.utexas.edu/tchumley/wyomap/atlas.htm>. University of Wyoming, Laramie, WY

South Dakota Natural Heritage Database (SDNHP). 2001. Game, Fish and Parks Department, Pierre, SD.

Weber, William. A. and Ronald. C. Wittmann. 2001. Colorado Flora: Eastern Slope. Third Edition. University Press of Colorado, Boulder, CO.

Wyoming Natural Diversity Database (WYNDD). 2001. Plant species of concern list, species summary. Web Site: http://uwadmnweb.uwyo.edu/wyndd/Plants/plant_species.htm