

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Equisetum variegatum</i> Schleich. ex F. Weber & D.M.H. Mohr var. <i>variegatum</i> Variegated Scouring-Rush			
Synonyms: <i>Equisetum variegatum</i> var. <i>anceps</i> Milde, <i>Hippochaete variegata</i> (Schleich. ex F. Weber & D.M.H. Mohr) Bruhin			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	B	Hauke indicates range within R2 includes the northwestern corner of CO, WY (excluding the southeastern corner), and extreme western SD. Currently known from only 2 locations in CO (Gunnison and San Miquell counties). Apparently more common in WY (S2S3). Presence in SD is questionable as Dr. Gary Larson of SD State University herbarium knows of no collections from the state and the species is not listed in Van Bruggen's SD flora. Brooks states that previous reports of this species from KS, NE and SD are misidentifications of depauperate specimens of <i>E. laevigatum</i> . Confidence in rank High Medium Low	<ul style="list-style-type: none"> • Brooks • CO Natural Heritage Program • Hauke • Larson • Van Bruggen
2 Distribution outside of R2	C	Lellinger describes species as frequent along lake shores, stream banks, ditches and wet meadows N. F. to AK south to NH, VT, CT, NY, NJ, nw PA, MI, n IL, WI, MN, Man., Sas., MT, WY, CO, UT, ID, and OR. Confidence in rank High Medium Low	<ul style="list-style-type: none"> • Lellinger
3 Dispersal Capacity	C	Reproduces by spores. Author assumes that spores are dispersed by wind and/or water as species is found in a variety of wetland habitats. Confidence in rank High Medium Low	<ul style="list-style-type: none"> • Hauke
4 Abundance in R2	B	Rare in CO (See 1) more common in WY (S2S3). No information found on specific occurrences within R2 management units. Confidence in rank High Medium Low	<ul style="list-style-type: none"> • CO Natural Heritage Program
5 Population trend in R2	D	No information found. Confidence in rank High Medium Low	
6 Habitat trend in R2	B	Adapted to a variety of wet habitats variously described as lakeshores, riverbanks, ditches, wet woods, tundra, sandbars, and moist areas indicating that habitat is probably fairly stable Confidence in rank High Medium Low	<ul style="list-style-type: none"> • Dorn • Hauke • Lellinger • Weber and Wittmann
7 Habitat vulnerability or modification	C	Adapted to a variety of wet habitats variously described as lakeshores, riverbanks, ditches, wet woods, tundra, sandbars, and moist areas, indicating that habitat is probably not highly vulnerable to disturbance or modification. Confidence in rank High Medium Low	<ul style="list-style-type: none"> • Dorn • Hauke • Weber and Wittmann
8 Life History and Demographics	C	Rhizomatous perennial reproducing by spores produced in apical cones. Adapted to a variety of wet habitats. Species hybridizes with <i>E. laevigatum</i> and <i>E. hyemale</i> . Confidence in rank High Medium Low	<ul style="list-style-type: none"> • Hauke • Lellinger
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National Forests in the Rocky Mountain Region where species is KNOWN (K) or LIKELY (L) to occur:

Colorado NF/NG	K	L	Kansas NF/NG	K	L	Nebraska NF/NG	K	L	South Dakota NF/NG	K	L	Wyoming NF/NG	K	L
Arapaho-Roosevelt NF			Cimmaron NG			Samuel R. McKelvie NF			Black Hills NF			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						Ogallala NG						Medicine Bow NF		
San Juan NF												Thunder Basin NG		
Rio Grande NF														
Pawnee NF														
Pike-San Isabel NF														
Comanche NG														

References

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- Colorado Natural Heritage Program. Website.
- Dorn, R.D. 1992. *Vascular Plants of Wyoming* (2nd edition). Mountain West Publishing. Cheyenne, Wyoming. 340 pp.
- Hauke, R. L. 1993. Equisetaceae *in* *Flora of North America. Volume 2 Pteridophytes and Gymnosperms*. Flora of North America Editorial Committee. Oxford University Press. pp. 76-84
- Larson, G. 2002. South Dakota State University herbarium, Brookings, SD. Personal communication.
- Lellinger, D.B. 1985. *A Field Manual of the Ferns & Fern-Allies of the United States and Canada*. Smithsonian. 389 pp.
- Weber, W.A. and R.C. Wittmann. 1996b. *Colorado Flora: Western Slope* (2nd Addition). University of Colorado. Boulder, Colorado. 496 pp.