

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: **Potamogeton vaginatus** Turcz. (*Stuckenia* v.) / sheathed pondweed / POVA2 (STVA5)
 (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AB	neWY, ncent CO, (also wcent WY, & ne SD). (All reports for the Black Hills thus far have been based on misidentified specimens - pers. comm. with Gary E. Larson, Nov. 28, 2001). Confidence in Rank Medium	<ul style="list-style-type: none"> Larson 1993, RM 2001, Weber & Wittmann 2001, GPFA 1986.
2 Distribution outside R2	C	Eurasia, Africa. Across n North America from Nfld. to AK and south to ME, NY, WI, MN, SD, CO, UT, OR. Confidence in Rank High	<ul style="list-style-type: none"> Hitchcock & Cronquist 1973, NatureServe 2001.
3 Dispersal Capability	B	Fruits are eaten and apparently dispersed by waterfowl. Confidence in Rank Medium	<ul style="list-style-type: none"> Fassett 1957.
4 Abundance in R2	AB	"In lakes of North Park" (p. 312, Weber & Wittmann 2001). WY: Heritage ranked "S2" (Clear, spring-fed stockdam in Crook Co, WY had vigorous population of P.vaginatus but when revisited 5 years later, there was no sign of it, even tho most other aquatic plant spp. were still present - pers. comm. with Gary E. Larson, Nov. 28, 2001). Confidence in Rank Medium	<ul style="list-style-type: none"> Weber & Wittmann 2001, NatureServe 2001, SDNHD 2001.
5 Population Trend in R2	D	 Confidence in Rank Medium	<ul style="list-style-type: none">
6 Habitat Trend in R2	D	Inhabits shallow to fairly deep, standing to flowing water of ponds, lakes and streams. Collected from an impoundment just outside WY Black Hills. Such impoundments may have increased available habitat. (Don't know if this sp. was even native to the Black Hills). However, it also appears to require clear water which has probably declined due to sedimentation. Impoundments also change with age and, without management, should not be regarded as permanent habitat. Confidence in Rank Low	<ul style="list-style-type: none"> Hitchcock & Cronquist 1972.

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Criteria	Rank	Rationale	Literature Citations
7 Habitat Vulnerability or Modification	B	ditto. Threatened by invasive aquatic species, e.g. Eurasian water milfoil, curly pondweed, carp spp., etc. Also threatened by increased turbidity from erosion. Confidence in Rank Medium	•
8 Life History and Demographics	D	Perennial. Confidence in Rank Medium	•
Evaluator(s): David J. Ode			Date: 27 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.

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<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		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				Ogalala NG				Medicine Bow NF	
San Juan NF								Thunder Basin NG	
Rio Grande NF									
Pike-San Isabel NF									
Comanche NG									
Pawnee NG									

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