

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: **Sparganium chlorocarpum** Rydb. (**S. emersum** Rehmman) / green-fruited bur reed / SPEM2
 (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	BC	S. chlorocarpum is now treated as an indistinct form of S. emersum which occurs in the Black Hills of SD & WY, nw NEB, nw & se WY & CO. Confidence in Rank Low	<ul style="list-style-type: none"> FNA 2000, Larson 1993, RM 2001, GPFA 1977.
2 Distribution outside R2	C	S. emersum : Circumboreal. In North America: AK, YUK, NWT, BC, across Canada to Maritimes and south to CA, UT, CO, NEB, IA, IL, VA. Confidence in Rank Medium	<ul style="list-style-type: none"> FNA 2000.
3 Dispersal Capability	B	Sparganium fruits are commonly eaten by ducks and other water birds. This, presumably enables long-distance dispersal to other suitable habitats. Confidence in Rank Medium	<ul style="list-style-type: none">
4 Abundance in R2	BC	Scattered thruout the Black Hills, Big Horns, Absarokas, Wind River range with a couple collections in Laramie Range. Status in CO unclear with recent taxonomic revision. Confidence in Rank Medium	<ul style="list-style-type: none"> RM 2001, Marriott 1986, Larson 1993.
5 Population Trend in R2	D	 Confidence in Rank Medium	<ul style="list-style-type: none">
6 Habitat Trend in R2	BC	Inhabits still to flowing eutrophic and mesotrophic, circumneutral to somewhat alkaline waters. Shallow water or mud of marshes, streams, ditches, ponds, etc. Water qualities have obviously declined but that may not have much affect on this sp. Do artificial impoundments and ditches provide habitat for this sp? Confidence in Rank Low	<ul style="list-style-type: none"> FNA 2000, Larson 1993.
7 Habitat Vulnerability or Modification	D	Unclear how artificial disturbances will affect this species. There's certainly been considerable human disturbance of riparian and shallow water habitats, but flooding and drawdowns from drought are natural disturbances to which many emergent plants are adapted. Confidence in Rank Low	<ul style="list-style-type: none">

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8 Life History and Demographics	D	Perennial. Confidence in Rank Medium	•
Evaluator(s): David J. Ode			Date: 29 October, 2001

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

Species Name: <i>Sparganium chlorocarpum</i>											
<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	Known	Likely
		Cimarron NG		Samuel R. McKelvie NF	?	Black Hills NF		X		Shoshone NF	X
				Halsey NF		Buffalo Gap NG				Bighorn NF	X
				Nebraska NF		Ft. Pierre NG				Black Hills NF	X
				Ogalala NG						Medicine Bow NF	X
										Thunder Basin 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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Marriott, Hollis. 1986. Checklist of vascular plants of the northwestern Black Hills, Crook and Weston Counties, WY. Rocky Mountain Herbarium, University of Wyoming, Laramie, WY.

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