

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <b>Cynoglossum boreale</b> Fern. / northern wild comfrey / Cooperrider wild comfrey / CYVIB (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	Disjunct in the Black Hills from ne ND & MN.  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>SDNHD 2001, GPFA 1986, Ownbey &amp; Morley 1991, Larson &amp; Johnson 1999.</li> </ul>
2 Distribution outside R2	C	Ranging across Canada from Alb. to Nfdl. and south to SD, IA, WI, MI, NY. Apparently rare or undercollected in many states and provinces: S1: ME, NH, NY, Alb., NS, Sask., SD. SH or SX: MA, NJ, OH, PA. SU/S?: CT, BC. S3 or S4: MI, Man., Ont. SR: IN, MN, ND, WI, Nfdl., Queb., Yuk. Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>NatureServe 2001, USDA 2001,</li> </ul>
3 Dispersal Capability	B	Bristly nutlets enable seeds to attach to passing animals.  Confidence in Rank <b>Low</b>	<ul style="list-style-type: none"> <li>Gleason 1952</li> </ul>
4 Abundance in R2	AB	Only a few occurrences are know from the Black Hills but survey efforts have not been extensive.  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>SDNHD 2001,</li> </ul>
5 Population Trend in R2	D	Was not discovered in the Black Hills until 1990. Few more collections since then. It's not impossible that it could be a recent introduction that is on the increase.  Confidence in Rank <b>High</b>	<ul style="list-style-type: none"> <li></li> </ul>
6 Habitat Trend in R2	D	"Primarily in deciduous woodland drainages at low to mid elevations of the central and northern Black Hills. (p.120)"  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>Larson &amp; Johnson 1999,</li> </ul>
7 Habitat Vulnerability or Modification	BC	Within the BH's, plants have been observed along game trails where hoof action has opened mineral soil to seedling establishment. The main threat to these deciduous woodland habitats in the Black Hills is probably livestock grazing - which in the case of this species, might actually benefit it.  Confidence in Rank <b>Low</b>	<ul style="list-style-type: none"> <li></li> </ul>

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8 Life History and Demographics	D	Perennial.  Confidence in Rank <b>Medium</b>	•
Evaluator(s): David J. Ode			Date: 12 October, 2001

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

Species Name: <b><i>Cynoglossum boreale</i></b>											
<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			
				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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<sup>1</sup> 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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Ownbey, Gerald B. and Thomas Morley. 1991. Vascular Plants of Minnesota: a checklist and atlas. University of Minnesota Press, Minneapolis, MN.

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