

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Viburnum opulus var. americanum* / Highbush Cranberry (*V. opulus ssp. trilobum*, *V. trilobum*)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AD	<p>Highbush Cranberry occurs in the Black Hills in Crook County, Wyoming, on the Black Hills National Forest. It also occurs in Nebraska and South Dakota, therefore, additional information is necessary in order to determine its status in Region 2.</p> <p>This taxon is found in ravines, in deciduous thickets along the edges of meadows, and in birch-hazelnut communities at 4,200 to 4,950 feet.</p> <p>Confidence in rank High</p>	<ul style="list-style-type: none"> <li>• Dorn 2001</li> <li>• NatureServe 2002</li> <li>• University of Wyoming 1998</li> <li>• USDA Forest Service 2001</li> <li>• WYNDD 2002</li> </ul>
2 Distribution outside R2	B	<p>This taxon ranges from Newfoundland to British Columbia south to Pennsylvania, Iowa, North Dakota, Idaho, and Washington, with disjunct populations in the Black Hills.</p> <p>Confidence in rank High</p>	<ul style="list-style-type: none"> <li>• Dorn 2001</li> <li>• Gleason and Cronquist 1991</li> <li>• Great Plains Flora Association 1986</li> <li>• Hitchcock et al. 1959</li> <li>• Larson and Johnson 1989</li> <li>• NatureServe 2002</li> </ul>
3 Dispersal Capability	CD	<p>Some birds and mammals are known to eat the fruit (drupes), therefore, it may be inferred that there is some animal dispersal across unsuitable habitat.</p> <p>Confidence in rank High</p>	<ul style="list-style-type: none"> <li>• Martin et al. 1951</li> </ul>
4 Abundance in R2	AD	<p>Highbush Cranberry is known from 3 extant occurrences in Wyoming (last surveyed in 1989), and one vague, historical record from 1895. This latter report was long suspected to be cultivated, until wild populations were confirmed in 1981. All the extant occurrences are on the Black Hills National Forest. The Dugout Gulch population was reported as "very small" by Hollis Marriott in 1989. Other populations have not been surveyed. This taxon is ranked "S1" in Wyoming. It also occurs in Nebraska and South Dakota but is not ranked.</p> <p>Confidence in rank High</p>	<ul style="list-style-type: none"> <li>• Fertig and Heidel 2002</li> <li>• NatureServe 2002</li> <li>• University of Wyoming 1998</li> <li>• USDA Forest Service 2001</li> <li>• WYNDD 2002</li> </ul>
5 Population Trend in R2	D	<p>Not known.</p> <p>Confidence in rank High</p>	<ul style="list-style-type: none"> <li>• -</li> </ul>

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Criteria	Rank	Rationale	Literature Citations
6 Habitat Trend in R2	D	Not known.  Confidence in rank High	• -
7 Habitat Vulnerability or Modification	AD	Highbush Cranberry may be vulnerable to disturbances due to low population size. It occurs in the Dugout Gulch Special Botanical Area and the Sand Creek Late Successional Landscape on the Black Hills National Forest.  Confidence in rank High	<ul style="list-style-type: none"> <li>• University of Wyoming 1998</li> <li>• WYNDD 2002</li> </ul>
8 Life History and Demographics	D	Highbush Cranberry is a shrub. Flowering and fruiting occur from June through September.  Additional information on the species, including life history stages, population structure, longevity, mortality, pollination biology and seed biology, are not available.  Confidence in rank High	<ul style="list-style-type: none"> <li>• Gleason and Cronquist 1991</li> <li>• Great Plains Flora Association 1986</li> <li>• Hitchcock et al. 1959</li> <li>• University of Wyoming 1998</li> </ul>
Initial Evaluator(s): Joy Handley, Bonnie Heidel and Scott Laursen			Date: June 4, 2002

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

<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.

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<u>Colorado NF/NG</u>	Known	Likely	<u>Kansas NF/NG</u>	Known	Likely	<u>Nebraska NF/NG</u>	Known	Likely	<u>South Dakota NF/NG</u>	Known	Likely	<u>Wyoming NF/NG</u>	Known	Likely
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	X	
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														

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