

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: *Luzula glabrata* var. *hitchcockii* / Smooth Wood-rush (*L. hitchcockii*)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	Smooth Wood-rush occurs in the Beartooth Range of Park County, Wyoming, on the Shoshone National Forest. It is not known from any other Region 2 state.  In Wyoming this taxon is found in openings within subalpine fir-Engelmann spruce or whitebark pine forests or rock slides at 8,500-9,300 feet. Its habitat is patchy across the landscape.  Confidence in Rank High	<ul style="list-style-type: none"> <li>• Dorn 2001</li> <li>• Fertig 1998</li> <li>• Jones and Fertig 1999</li> <li>• University of Wyoming 1998</li> </ul>
2 Distribution outside R2	C	Smooth Wood-rush is known from southern British Columbia and southwestern Alberta to Oregon, northern Idaho, and northwest Wyoming. In Wyoming, it is known from outside of Region 2 in the Snake River and Teton ranges in Teton County.  Confidence in Rank High	<ul style="list-style-type: none"> <li>• Dorn 2001</li> <li>• Porter 1965</li> <li>• Shaw 1976, 1992</li> <li>• WYNDD 2002</li> </ul>
3 Dispersal Capability	D	Dispersal vectors are unknown.  Confidence in Rank High	<ul style="list-style-type: none"> <li>• -</li> </ul>
4 Abundance in R2	A	Smooth Wood-rush is known from 4 extant occurrences in Wyoming (most recently observed in 1999) and 1 historical record. Only one occurrence is on the Shoshone National Forest. Census data are lacking, although it was reported as "common" at Holly Cirque by R. Shaw (1976). This taxon is ranked "S1" in Wyoming.  Confidence in Rank Low	<ul style="list-style-type: none"> <li>• Fertig 1998</li> <li>• Jones and Fertig 1999</li> <li>• Shaw 1976</li> <li>• University of Wyoming 1998</li> <li>• USDA Forest Service 2001</li> <li>• WYNDD 2002</li> </ul>
5 Population Trend in R2	D	Not known.  Confidence in Rank High	<ul style="list-style-type: none"> <li>• -</li> </ul>
6 Habitat Trend in R2	D	Not known.  Confidence in Rank High	<ul style="list-style-type: none"> <li>• -</li> </ul>

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<b>7</b> Habitat Vulnerability or Modification	<b>BD</b>	Threats are not known. Smooth Wood-rush occurs on lands managed for multiple use by the Shoshone, Bridger-Teton, and Targhee National Forests. It also occurs in Grand Teton National Park.  Confidence in Rank High	<ul style="list-style-type: none"> <li>Fertig 1998</li> <li>Jones and Fertig 1999</li> <li>Shaw 1976</li> <li>University of Wyoming 1998</li> <li>WYNDD 2002</li> </ul>
<b>8</b> Life History and Demographics	<b>D</b>	Smooth Wood-rush is a rhizomatous, perennial graminoid. Flowering and fruiting occur from July through August.  Additional information on the species, including life history stages, population structure, longevity, mortality, and seed biology, are not available.  Confidence in Rank High	<ul style="list-style-type: none"> <li>Shaw 1976</li> <li>University of Wyoming 1998</li> <li>WYNDD 2002</li> </ul>
Initial Evaluator(s): Joy Handley and Scott Laursen			Date: April 9, 2002

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

<u>Colorado NF/NG</u>	<u>Known</u>	<u>Likely</u>	<u>Kansas NF/NG</u>	<u>Known</u>	<u>Likely</u>	<u>Nebraska NF/NG</u>	<u>Known</u>	<u>Likely</u>	<u>South Dakota NF/NG</u>	<u>Known</u>	<u>Likely</u>	<u>Wyoming NF/NG</u>	<u>Known</u>	<u>Likely</u>
Arapaho-Roosevelt NF			Cimmaron NG			Samuel R. McKelvie NF			Black Hills NF			Shoshone NF	X	
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														

Literature cited

<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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Porter, C.L. 1965. A Flora of Wyoming: Part IV. Bulletin 434:1-88. Agricultural Experiment Station, University of Wyoming.

Shaw, R.J. 1976. Field guide to the vascular plants of Grand Teton National Park and Teton County, Wyoming. Logan: Utah State University Press.

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USDA Forest Service – Region 2. 2001. “Wyoming plant species” evaluation list and criteria provided to Wyoming Natural Diversity Database. Denver, CO.

Wyoming Natural Diversity Database. 2002. Ongoing documentation of sensitive species distribution, biology, status, and references for the state of Wyoming. University of Wyoming, Laramie.