

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

<p>Species: <i>Juncus vaseyi</i> Engelm./Vasey's rush/JUVA Global Rank: G5? [SYNONYM: <i>Juncus greenei</i> Oakes and Tuckerman var. <i>vaseyi</i> (Engelm.) Boivin]</p>			
Criteria	Rank	Rationale	Literature Citations
<p>1 Distribution within R2</p>	<p>A</p>	<p>S1 in WY and CO 5 locations in WY: MedBowNF and Bridger-TetonNF Found in 3 counties in CO: Boulder, Grand, Larimer</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • NatureServe 2001 • Atlas of Vascular Plants of Wyoming - www.rmh.edu • NatureServe 2001, PCA for CO
<p>2 Distribution outside R2</p>	<p>B (limited distribution outside R2)</p>	<p>S1 in IL, MI, ME; S3 IN WI; Historic in ND and ID; reported in UT, MN, IN, OH</p> <p>Canada: S1 in LB, NS; S2 in NB; S3 in AB, ON; S4 in MB</p> <p>Conflicting information: PCA Global says JUVA relatively common in Canada; PCA Colorado says JUVA known from only a few locations in US and Canada. "It may be naturally rare"</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> • NatureServe 2001 • NatureServe 2001, PCA for CO
<p>3 Dispersal Capability</p>	<p>D</p>	<p>JUVA occurs as colonies of cespitose tufts of individual plants, and each plant may consist of several shoots arising from a compact or short rhizome. Seeds are very tiny. Insufficient information to infer dispersal capability</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • NatureServe 2001, Element Global Ranking Form
<p>4 Abundance in R2</p>	<p>A</p>	<p>Limited occurrences reported for R2 (5 locations in WY; found in 3 counties in CO)</p> <p>WYNDD: JUVA is often reported as "common" where it does occur</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> • NatureServe 2001 • Atlas of Vascular Plants of Wyoming - www.rmh.edu • WYNDD State Species Abstract

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<p>5 Population Trend in R2</p>	<p>B</p>	<p>JUVA may be declining in vulnerable disjunct localities where it often occupies very restricted habitat. Overall, however, JUVA appears to be secure within its extensive primary range JUVA is overall unthreatened but somewhat vulnerable and at least slightly threatened in the vast southern portion of its range, especially in some localities in the Midwest and northeast. Protected in CO by remoteness and inaccessibility.</p> <p>WYNDD: population trend suspected to be stable based on resurvey of 2 of the known populations over time</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> • NatureServe2001, Global PCA • WYNDD, State Species Abstract
<p>6 Habitat Trend in R2</p>	<p>B</p>	<p>JUVA is a wetland species occurring in a number of different wetland habitats. Habitats include damp thickets, meadows, shores, and seasonally inundated swales with sandy soils, including low sandy ground with pines, wet prairie, lakeplain wet prairie, and other intermittently wet ground.</p> <p>In CO: found in permanently moist, usually exposed areas including wet meadow raised sites, or bog margins, or depressions along sandy lake shores.</p> <p>In WY: found on sandy beaches along glacial lakes in the Wind River Range (often at edge of lodgepole pine or blue spruce woods), or in hummocky wet meadows with rich organic soils in the Laramie Range (7300 – 8040 ft)</p> <p>Habitat appears to be stable</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> • NatureServe 2001, Global PCA • NatureServe 2001, Colorado PCA • WYNDD State Species Abstract

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<p>7 Habitat Vulnerability or Modification</p>	<p>B</p>	<p>Draining wetlands and other hydrological modifications could impact this species</p> <p>Threats include grazing and recreation (3 populations in Sublette County WY occur on lakeshores with moderate to high recreation use; cattle grazing may occur in the vicinity of the Albany County WY site)</p> <p>JUVA is persistent but requires maintenance of at least a portion of natural disturbance regime to perpetuate suitable habitat. Hydrology is especially important; the role of fire in maintaining habitat is likely important but poorly understood. JUVA may not persist in sites with significant habitat fragmentation</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> • NatureServe 2001, PCA Colorado • WYNDD State Species Abstract • NatureServe 2001, Element Global Ranking Form
<p>8 Life History and Demographics</p>	<p>D</p>	<p>Insufficient information available to infer impacts of life history and demographics</p> <p>Confidence in Rank High</p>	
<p>Initial Evaluator(s): Beth A. Burkhart, Botanist-Species Conservation Project/Black Hills NF</p>			<p>Date: 09/17/2002</p>

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

<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
		Cimmaron NG		Samuel R.McKelvie NF		Black Hills NF		Shoshone NF	
				Halsey NF		Buffalo Gap NG		Bighorn NF	
				Nebraska NF		Ft. Pierre NG		Black Hills NF	
				Ogalala NG				Medicine Bow NF	K
								Thunder Basin NG	

ALSO known from Bridger-Teton NF

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.