

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Salix serissima</i> / Autumn Willow			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	AD	<p>Autumn Willow occurs in the Laramie Range in Albany County, Wyoming, on the Medicine Bow National Forest. In Colorado, it occurs on the Pike-San Isabel National Forest. It also occurs in South Dakota, therefore, additional information is necessary in order to determine its status in Region 2.</p> <p>This species is found in montane swamps and bogs. The Wyoming population occurs at 7900 feet. It occurs with <i>Salix brachycarpa</i>, <i>S. planifolia</i>, <i>S. bebbiana</i>, and <i>Carex simulata</i>. It is known from a single location in Wyoming, first documented in 1991 (last surveyed in 2000) and is considered disjunct.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Burke 2000</li> <li>• Dorn 1997, 2001</li> <li>• Fertig 2000</li> <li>• Fertig et al. 1994</li> <li>• Mills and Neighbours 1995</li> <li>• Sanderson and March 1996</li> <li>• University of Wyoming 1998</li> <li>• USDA Forest Service 2001</li> <li>• Welp et al. 2000</li> </ul>
2 Distribution outside R2	B	<p>Autumn Willow is known from Alberta to Newfoundland, south to Minnesota and New York, with disjunct populations in South Dakota, Wyoming, and Colorado.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Dorn 1997</li> <li>• Fertig 1993, 2000</li> <li>• Larson and Johnson 1999</li> <li>• Lesica and Shelly 1991</li> <li>• Spackman et al. 1997</li> </ul>
3 Dispersal Capability	C	<p>Autumn Willow's seed is transported by wind, allowing it to disperse readily across unsuitable habitat. This species can survive fire through rhizomes.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Dorn 1997</li> <li>• USDA Forest Service 2002</li> </ul>
4 Abundance in R2	A	<p>Autumn Willow is known from a single location in Wyoming, first documented in 1991 (last surveyed in 2000) on the Medicine Bow National Forest. Fertig observed 80-100 individuals in area of less than 4 acres in 1995. This species is ranked "S1" in Wyoming, Colorado, and South Dakota.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> <li>• Fertig 2000</li> <li>• Mills and Neighbours 1995</li> <li>• USDA Forest Service 2001</li> <li>• Welp et al. 2000</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	BD	Autumn Willow is potentially threatened by grazing and loss of wetland habitat from water diversion. Some habitat may have been lost when the Happy Jack Road was paved. It occurs on lands managed for multiple use by the Medicine Bow National Forest.  Confidence in Rank Medium	<ul style="list-style-type: none"> <li>• Fertig 2000</li> <li>• Mills and Neighbours 1995</li> <li>• Welp et al. 2000</li> <li>• WYNDD 2002</li> </ul>
8 Life History and Demographics	D	Autumn Willow is a dioecious shrub. Flowering and fruiting occur from May through September.  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>• Dorn 1997</li> <li>• Fertig 2000</li> </ul>
Initial Evaluator(s): Joy Handley, Bonnie Heidel and Scott Laursen			Date: May 10, 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		
Grand Mesa, Uncompahgre, Gunnison NF						Ogalala NG						Medicine Bow NF	X	
San Juan NF												Thunder Basin NG		
Rio Grande NF														
Pike-San Isabel NF	X													
Comanche NG														

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