"SALIX CANDIDA"
HOARY WILLOW
Family: Salicaceae

Status:
US Fish & Wildlife Service: None.
Agency Status: USFS R2 sensitive

Heritage Rank:
Global: G5 State: S2
WYNDPh Plant List: Sparse
(Low conservation priority)

Description: Hoary willow is a low shrub 50-120 cm tall. The branches are light brown and mostly glabrous. Twigs of the current year are densely white pubescent. This pubescence may persist into the second year. The leaves are narrowly elliptic to narrowly ovate, 3-8 cm long, and have entire, inrolled margins. The upper leaf surface is dark green with scattered tufts of woolly hair, while the lower surface is densely white-tomentose. Catkins appear with the leaves and are borne on short leafy branchlets or are nearly sessile. Flower bracts are brownish and wavy-pubescent. Staminate catkins are 1.5-2.5 cm long with 2 stamens and reddish-purple anthers. Pistillate catkins are 2-5 cm long with tomentose, tawny capsules, styles 0.8-1.6 mm long, and stipes 0.5-1.2 mm long (Hitchcock and Cronquist 1964; Moss 1983).

Similar Species: Salix drummondiana is a taller shrub and has thin, silvery, appressed hairs on the leaves and inrolled leaf margins. (Dorn 1992). S. brachycarpa has relatively small elliptic leaves that are densely gray-hairy on both sides (Harrington 1954).

Flowering/Fruiting Period: Early June-late July.

Distribution: Ranges from Labrador to Alaska and south to the Great Lakes states, South Dakota, Colorado, and Idaho (Hitchcock and Cronquist 1964). In Wyoming, known from the Absaroka, Beartooth, Laramie, and Medicine Bow ranges, Yellowstone Plateau, and upper Green River Basin.
Habitat: Floating mats, bogs, fens, and willow thickets around ponds on wet to saturated, histic soils, sometimes influenced by limestone. Elevation 6600-9200 feet.

Occurrences in Wyoming: Known from 10 extant occurrences and 1 historical record in Wyoming. Eight of these populations have been discovered or relocated since 1994 (most recently in 1999).

Abundance: Known populations are mostly very small and restricted to specialized wetland habitats that are themselves very uncommon.

Trends: Not known. Some habitat may have been lost in the Laramie Valley since European settlement.

Protection status: At least 5 occurrences are found in national parks, national wildlife refuges, or designated special interest areas (Yellowstone NP, National Elk Refuge, Swamp Lake SBA, Sheep Mountain Wildlife Refuge). Three other occurrences are within potential Research Natural Areas or Special Interest Areas on National Forest lands (Lake Creek Bogs, Sheep Mountain, Kendall Warms Springs).

Threats: Populations may be threatened by grazing pressure on the National Elk Refuge.

Managed Areas: Occurs on lands managed by Bridger-Teton, Medicine Bow, and Shoshone National Forests, Yellowstone National Park, the National Elk Refuge, and possibly the BLM Pinedale Field Office.

References:


Larson, G.E. and J.R. Johnson. 1999. Plants of the Black Hills and Bear Lodge Mountains. South Dakota State University College of Agriculture and Biological Sciences & South Dakota Agricultural Experiment Station, Brookings, SD.


Sanderson, J. and M. March. 1996. Extreme rich fens of South Park, Colorado: their distribution, identification, and natural heritage significance. Unpublished report prepared for Park County, the Colorado Department of Natural Resources, and the US Environmental Protection Agency by the Colorado Natural Heritage Program, Ft. Collins, CO.


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