

-State Species Abstract-
-Wyoming Natural Diversity Database-

LYCOPUS UNIFLORUS
NORTHERN BUGLEWEED
Family: Lamiaceae

Status:

US Fish & Wildlife Service: None.

Agency Status: None.

Heritage Rank:

Global: G5 State: S1

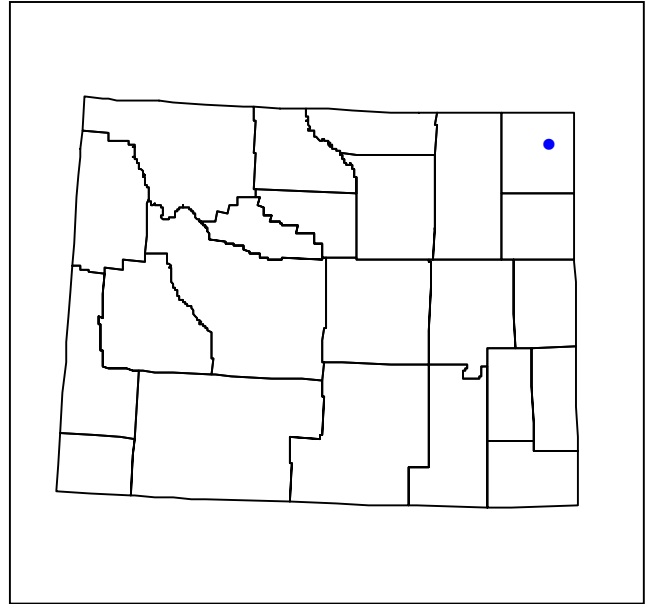
WYNDD Plant List: Peripheral
(Low Conservation Priority)

Description: Northern bugleweed is a perennial forb with mostly unbranched, grooved, pubescent stems 10-60 cm tall from a stolon-bearing tuber. Leaves are elliptic to lance-shaped, 2-8 cm long, 1-4 cm wide, punctate (pitted with shallow glands), sparsely pubescent, and nearly sessile with shallowly-toothed margins. The inflorescence consists of whorls of 2-12 sessile flowers in the axils of the upper leaves. The calyx is bell-shaped with 5 short-acute teeth that are equal or shorter than the nutlets at maturity. The corolla is 5-lobed, white to pinkish, 2.5-3.5 mm long, pubescent, and radially symmetrical. Fruits consist of 4 brownish nutlets 1-1.2 mm long with thin, wavy-toothed margins (Hitchcock et al. 1959; Great Plains Flora Association 1986).

Similar Species: *Lycopus americanus* and *L. asper* have elongate-tipped calyx lobes that are longer than the mature nutlets. *Mentha arvensis* has pink, purple, or rarely white flowers with 4 anther-bearing stamens and is strongly aromatic.

Flowering/Fruiting Period: July-September.

Distribution: Alaska to Newfoundland, south to California, Montana, Nebraska, Arkansas,



Wyoming distribution of *Lycopus uniflorus*.

and North Carolina. In Wyoming, known only from the Black Hills in Crook County.

Habitat: Open to shady areas along streambanks, seeps, marshes, and peat bogs.

Occurrences in Wyoming: Known from only one occurrence in Wyoming.

Abundance: Based on small area of known, occupied habitat. Actual population size is unknown.

Trends: Unknown.

Protection status: All known occurrences are on public lands managed for multiple use.

Threats: Unknown.

Managed Areas: Occurs in Black Hills National Forest.

References:

Dorn, R.D. 1992. Vascular Plants of Wyoming, second edition. Mountain West Publishing, Cheyenne, WY.

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Great Plains Flora Association. 1986. Flora of the Great Plains. Univ. Kansas Press, Lawrence, KS.

Hitchcock, C.L., A. Cronquist, and M. Ownbey. 1959. Pt. 4. Ericaceae through Campanulaceae. In: C.L. Hitchcock, A. Cronquist, M. Ownbey, and J.W. Thompson. Vascular Plants of the Pacific Northwest. University of Washington Publications in Biology 17(4):1-510.

Holmgren, N. 1998. Illustrated Companion to Gleason and Cronquist's Manual - Illustrations of the Vascular Plants of Northeastern United States and Adjacent Canada. New York Botanical Garden, Bronx NY.

Author: Walter Fertig
Updated: 00-09-21