

-State Species Abstract-  
-Wyoming Natural Diversity Database-

*LOMATOGONIUM ROTATUM*  
MARSH FELWORT  
Family: Gentianaceae

Status:

US Fish & Wildlife Service: None.

Agency Status: None.

Heritage Rank:

Global: G5 State: S2

WYNDD Plant List: Disjunct

(Medium conservation priority)

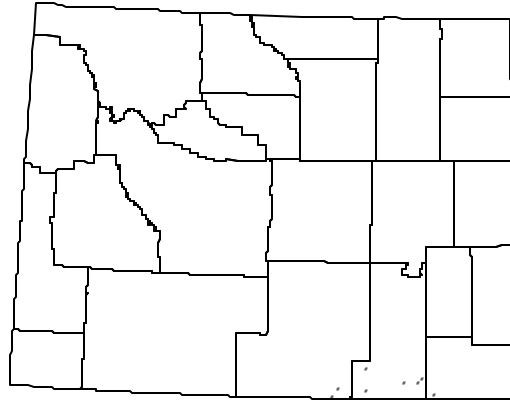
Description: Marsh felwort is an annual or biennial forb with simple to branched stems 10-25 cm tall. Stem leaves are opposite, lanceolate to spoon-shaped, and 1-3 cm long. Flowers are borne singly or in clusters of 2-3 on slender stalks from the axils of the upper leaves. The 6-15 mm long corolla is whitish to light blue and deeply divided into 5 lobes. Each lobe has a pair of small, fringed appendages at the base. Stamens are fused to the base of the corolla tube. The narrow sepals are longer than the corolla. Fruits are ovoid capsules (Hitchcock et al. 1959; Dorn 1992).

Synonyms: *Pleurogyne rotata*.

Similar Species: *Swertia perennis* has dark purple or blue flowers. *Gentiana*, *Gentianella*, and *Gentianopsis* species have tubular-shaped corollas with short lobes.

Flowering/Fruiting Period: August-September.

Distribution: Greenland to Alaska, south to Colorado. In Wyoming, known from the Sierra Madre, Medicine Bow and Laramie ranges and the Laramie and Saratoga valleys in Albany, Carbon, and Laramie counties.



Wyoming distribution of *Lomatogonium rotatum*.

Habitat: Across its range, marsh felwort occurs along the margins of salt marshes and other wet places (including seas shores) (Gleason and Cronquist 1991). In Wyoming, this species occurs along lakeshores, flooded meadows, and moist hummocks within willow thickets and *Carex simulata* marshlands at 7300-8960 feet.

Occurrences in Wyoming: Known from 6 extant and 3 historical records in Wyoming. Only 4 populations have been located since 1991 (most recently in 2000).

Abundance: Populations are often very small and limited to specialized microsites. Two populations discovered by W. Fertig in 1998-2000 consisted of fewer than 25 plants in an area of less than 50 square feet.

Trends: Not known.

Protection status: 8 occurrences are on state or public lands managed for multiple use. One population is found within the Leazenby Lake Public Access Area south of Laramie. One additional occurrence is on private lands within a road right-of-way.

Threats: Some low elevation populations could be threatened by development of wetland habitats.

Managed Areas: Occurs in Medicine Bow National Forest.

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