

-State Species Abstract-
-Wyoming Natural Diversity Database-

CHAMAESYCE GEYERI
[*EUPHORBIA GEYERI*]
GEYER'S SPURGE
Family: Euphorbiaceae

Status:

US Fish & Wildlife Service: None.
Agency Status: None.

Heritage Rank:

Global: G5State: S1
WYNDD Plant List: Peripheral
Medium Wyoming Significance

Description: Geyer's spurge is a hairless, annual herb, which lies flat along the ground (prostrate). The stems are 0.5 to 4.5 dm long. The leaves are symmetrical at the base, oblong to somewhat egg-shaped, smooth-edged, 4 to 25 mm long and about half as wide. The stipules are 1 to 1.5 mm long and are usually divided into thin segments. The "flowers" are solitary or in small clusters in the upper forks. The petal-like appendages are white to reddish, 0.1 to 1.2 mm long by 0.2 to 0.6 mm wide, and kidney-shaped to egg-shaped. The capsules are 1.5 to 2.0 mm long. (Dorn 2001, Great Plains Flora Association 1986)

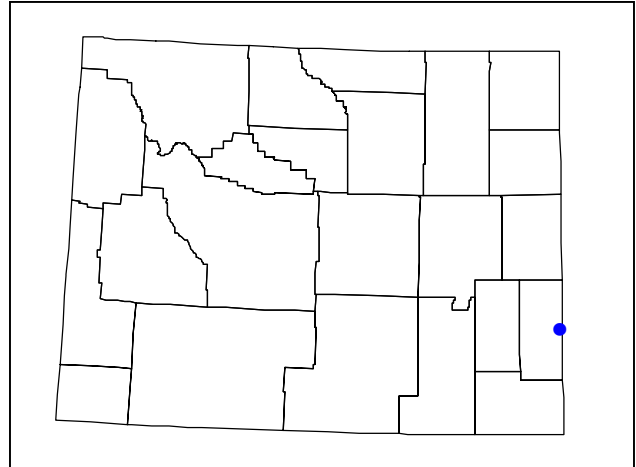
Similar Species: Most of the other prostrate species of *Chamaesyce* (*C. strictospora*, *C. glyptosperma*, and *C. serpyllifolia*) have asymmetrical leaf bases. *C. serpens* usually has smaller leaves (1.5 to 8 mm long) that tend to be asymmetrical at the base.

Flowering/Fruiting Period: Flowering and fruiting occur from July through September.

Distribution: Geyer's spurge is mainly a Great Plains species, and is found in Montana, North Dakota, Minnesota, Wisconsin, and

south to New Mexico, Texas, and Iowa. In Wyoming, it is known from the sand hills of Goshen County.

Habitat: Sand dunes or sandy soils of roadsides and waste places (Great Plains Flora Association 1986). In Wyoming, this species is found in sand hills dominated by *Artemisia filifolia* at 4200 feet.



Wyoming distribution of *Chamaesyce geyeri*

Occurrences in Wyoming: Known from a single occurrence in Wyoming.

Abundance: Unknown.

Trends: Trend not fully known, but suspected to be stable.

Protection status: No occurrences are found on specially managed areas.

Threats: Not known.

Managed Areas: Occurs on lands managed by the BLM Casper Field Office.

References:

Dorn, R.D. 2001. Vascular Plants of Wyoming, third edition. Mountain West Publishing, Cheyenne, WY.

Hartman, R. L. and B. E. Nelson. 1994. Status report on the general floristic inventory of the Southern Powder River Basin and Eastern Plains, Wyoming. Unpublished report prepared for the BLM Casper District by the Rocky Mountain Herbarium.

Hartman, R. L. and B. E. Nelson. 1995. Final report on the general floristic inventory of the southern Powder River Basin and Eastern Plains, Wyoming. Unpublished report prepared for the BLM Wyoming State Office by the Rocky Mountain Herbarium.

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