

-State Species Abstract-
-Wyoming Natural Diversity Database-

PYRROCOMA INTEGRIFOLIA
ENTIRE-LEAF GOLDENWEED
Family: Asteraceae

Status:

US Fish & Wildlife Service: None.

Agency Status: USFS R2 sensitive

Heritage Rank:

Global: G3? State: S1

WYNDD Plant List: Regional endemic
(Medium conservation priority)

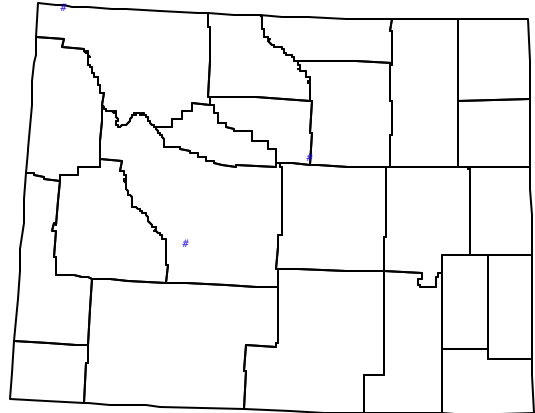
Description: Entire-leaved goldenweed is a perennial herb from a stout taproot with sparsely woolly to glabrous stems 10-40 cm tall. Basal leaves are clustered, 5-15 cm long, 1-3 cm wide, glabrous, and short petioled. Stem leaves are progressively reduced and sessile. Flower heads are usually solitary (occasionally 2-3) with involucre 10-15 mm long of unequal, green-tipped bracts. The 25-50 ray flowers are bright yellow and 1-2 cm long (Hitchcock et al. 1955; Mayes 1976; Dorn 1992).

Synonyms: *Haplopappus integrifolius*

Similar Species: *Pyrrocoma* [*Haplopappus*] *clementis* has involucre bracts that are green throughout. *P. lanceolatus* usually has more than 4 heads per stem and an involucre 5-10 mm long. *P. uniflora* has flower heads 5-10 mm long with bracts that are green throughout (Dorn 1992).

Flowering/Fruiting Period: June-August.

Distribution: Regional endemic of SW Montana, EC Idaho, and NW Wyoming. In Wyoming it is known from the Bighorn and Wind River ranges and Yellowstone Plateau in Fremont, Park, and Washakie counties.



Wyoming distribution of *Pyrrocoma integrifolia*.

Mayes (1976) also reports this species from Big Horn County.

Habitat: Alkaline meadows, forest openings, and open slopes and hillsides (Mayes 1976). Populations in Wyoming occur in montane meadows and three-tip sagebrush grasslands at 6330-8900 feet.

Occurrences in Wyoming: Known from four occurrences in the state, three of which are historical. The one extant population was located in 1995.

Abundance: No census information is available.

Trends: Not known.

Protection status: Two occurrences, including the extant one, are protected in Yellowstone National Park, and another population may be on public lands within The Nature Conservancy's Red Canyon Preserve. Other populations are on public lands managed for multiple use.

Threats: Not known.

Managed Areas: Occurs on lands managed by Shoshone National Forest and Yellowstone National Park. May also occur on lands managed by the BLM Worland Field Office.

References:

Beauvais, G.P., W. Fertig, and G.P. Jones. 2000. Rare species and the vegetation of Washakie County, Wyoming. Report prepared for the Washakie County planner by the Wyoming Natural Diversity Database, Laramie, WY.

Cronquist, A. 1955. Pt. 5. Compositae. In: Hitchcock, C.L., A. Cronquist, M. Ownbey, and J.W. Thompson (eds). Vascular Plants of the Pacific Northwest. Univ. Washington Publ. Biol. 17(5): 1-343.

Cronquist, A. 1994. Intermountain Flora, Volume 5: Asterales. New York Botanical Garden, Bronx, New York.

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

Fertig, W. 1998. The status of rare plants on Shoshone National Forest: 1995-97 survey results. Report prepared by the Wyoming Natural Diversity Database, Laramie, WY.

Fertig, W. 1999. The status of rare plants in the Bighorn Landscape. Report prepared for The Nature Conservancy Wyoming Field Office by the Wyoming Natural Diversity Database, Laramie, Wyoming.

Fertig, W. 2000. Rare vascular plant species in the Wyoming portion of the Utah-Wyoming Rocky Mountains Ecoregion. Prepared for the Wyoming Nature

Conservancy by the Wyoming Natural Diversity Database, Laramie, WY.

Hall, H.M. 1928. The Genus *Haplopappus*, a phylogenetic study in the Compositae. Carnegie Institute of Washington.

Mayes, R.A. 1976. A cytotaxonomic and chemosystematic study of the genus *Pyrrocoma* (Asteraceae: Astereae). Unpublished PhD dissertation, University of Texas, Austin, TX.

Welp, L., W.F. Fertig, G.P. Jones, G.P. Beauvais, and S.M. Ogle. 2000. Fine filter analysis of the Bighorn, Medicine Bow, and Shoshone National Forests in Wyoming. Wyoming Natural Diversity Database, Laramie, WY.

Author: Stuart Markow and Walter Fertig
Updated: 00-06-16