

ARIZONA GAME AND FISH DEPARTMENT
HERITAGE DATA MANAGEMENT SYSTEM

Plant Abstract

Element Code: PDRAN080M0

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Clematis palmeri*

COMMON NAME: Palmer Leather Flower, Palmer's Virgin-bower

SYNONYMS:

FAMILY: Ranunculaceae

AUTHOR, PLACE OF PUBLICATION: *Clematis palmeri*, Rose, 1891, Contr. U. S. Nat. Herb. 1:118. *C. Bigelovii*, James, 1883, Jour. Cincin. Soc. Nat. Hist. 6:123. *C. Douglasii* var. *Bigelovii*, Jones, 1895. Proc. Cal. Acad. II, 5:614.

TYPE LOCALITY: Fort Apache, Navajo County, 5,000 feet.

TYPE SPECIMEN: Palmer 600, 1890.

TAXONOMIC UNIQUENESS: According to NatureServe, this taxon is recognized by Kartez (1999); J. S. Pringle in Flora of North America (1997) provides comments as to its uncertain taxonomic status. According to Kearney (1960), more material is required to permit a conclusion as to whether *C. Palmeri* is specifically distinct from *C. Bigelovii*.

DESCRIPTION: Stems, erect, simple or few-branched, about 10 dm high; rather stout and woody, red below, yellow above, somewhat pubescent, especially at the nodes; leaves 5-6 pairs, pinnate with 5-11 division which are 3-lobed or 3-foliolate; leaflets 3-5 lobed or coarsely toothed, 3-7 cm. long, ovate, obtuse to acute-tipped, glabrous or with few scattered hairs, sometimes slightly glaucous, thin, not evidently reticulate; flowers solitary at the ends of primary stems or axillary branches from the uppermost 1 or 2 nodes, large, 3-4 cm. long, pedicels not greatly elongate in fruit; achene-bodies obovate, 4-5 mm. broad, inconspicuously rimmed, covered with rather long, appressed pubescence; achene-tails 4-5 cm, long, plumose with weak, pale brown or tawny hairs, loosely intertwined.

AIDS TO IDENTIFICATION: *Clematis palmeri* resembles *Clematis hirsutissima* very strongly in characters of the flower and fruit, but appears worthy of specific distinction because of its more robust habit, broad leaflets and nearly complete lack of pubescence.

ILLUSTRATIONS:

TOTAL RANGE: Central to western New Mexico and Eastern Arizona.

RANGE WITHIN ARIZONA: Navajo and Gila Counties.

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM:

PHENOLOGY: May to September.

BIOLOGY:

HABITAT: Canyons

ELEVATION: 4,500-5,500 ft (1,371-1,676m)

EXPOSURE:

SUBSTRATE:

PLANT COMMUNITY:

POPULATION HISTORY AND TRENDS:

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS:

STATE STATUS:

OTHER STATUS:

MANAGEMENT FACTORS:

PROTECTIVE MEASURES TAKEN:

SUGGESTED PROJECTS: Studies to determine the taxonomy of this species and then surveys to determine its range and status.

LAND MANAGEMENT/OWNERSHIP: BIA-Fort Apache Reservation.

SOURCES OF FURTHER INFORMATION

REFERENCES:

- Erickson, R. O. 1943. Annals of the Missouri Botanical Garden. Taxonomy of Clematis Section Viorna, Vol. 30. No. 1. Pp: 47-49.
- Kearney, T.H. and R.H. Peebles. 1960. Arizona Flora (with supplement). University of California Press, Berkeley. Pp: 313.
- Martin, W. C. & C. R. Hutchins. 1980. A Flora of New Mexico. J. Cramer. Pp: 745.
- NatureServe Explorer: An online encyclopedia of life [web application]. 2002. Version 1.6. Arlington, Virginia, USA: NatureServe. Available: <http://www.natureserve.org/explorer>. (Accessed: May 05, 2004).
- Rose, J. N. 1891. Contr. U. S. Nat. Herb. List of Plants Collected by Dr. E. Palmer in Arizona in 1890. 1:118
- USDA. Natural Resources Conservation Service. Available: http://plants.usda.gov/cgi_bin/plant_profile.cgi?symbol=CLPA.

MAJOR KNOWLEDGEABLE INDIVIDUALS:**ADDITIONAL INFORMATION:**

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