

**ARIZONA GAME AND FISH DEPARTMENT  
HERITAGE DATA MANAGEMENT SYSTEM**

**Plant Abstract**

**Element Code:**

PDAPI0P030

**Data Sensitivity:**

No

**CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE**

**NAME:** *Conioselinum mexicanum* Coult. & Rose

**COMMON NAME:** Mexican Hemlockparsley

**SYNONYMS:**

**FAMILY:** Apiaceae

**AUTHOR, PLACE OF PUBLICATION:** Coulter, John M. & Rose, Joseph, N. 1900. Proc. Wash. Acad. Sci. 1:47.

**TYPE LOCALITY:** Sierra Madre, 65 miles east of Batopilas, Chihuahua, Mexico. Alt. about 7,000 ft.

**TYPE SPECIMEN:** NYBG 405819. E. A. Goldman 191, 01 October 1898-02 October 1898.

**TAXONOMIC UNIQUENESS:** The genus *Conioselinum* contains approximately 10 species throughout North America and Eurasia (Hickman 1993). Two species are recognized by Lehr (1978) as occurring in Arizona.

**DESCRIPTION:** Slender perennial herb from a cluster of fleshy roots, 6-9 dm (23.6 - 35.46 in) tall. Leaves divided into leaflets, 6-14 mm long, the leaflets ovate, lobed or entire; umbel of 7-10 nearly equal rays with no involucre; involucels lacking or of filiform bractlets; rays in fruit 2.5 cm long; pedicels 6 mm long. Flower stalks taller than the leaves, with 5-11 fine branches at the tip, the flowers tiny, with white petals. Fruit oval, 3-6 mm long, flattened, with slender, extended ribs.

**AIDS TO IDENTIFICATION:** Stems from a cluster of fleshy roots; perennial; flowers white; stems 0.6-1 m (2-3 feet) tall with leaves along stem. *Ligusticum porteri* is a much more robust species.

**ILLUSTRATIONS:** USFWS Line Drawings.

**TOTAL RANGE:** Southern Arizona and Mexico (Chihuahua).

**RANGE WITHIN ARIZONA:** Cochise County: Huachuca Mountains; Pima County: Santa Rita Mountains; Greenlee County: San Francisco River.

**SPECIES BIOLOGY AND POPULATION TRENDS**

**GROWTH FORM:** Herbaceous perennial.

**PHENOLOGY:** September - October.

**BIOLOGY:**

**HABITAT:** Cool, shaded mountain slopes.

**ELEVATION:** 6,000 - 9,000 feet (1800-2700 m). Records in the Heritage Data Management System (HDMS) report elevations of 3,800 and 5,750 feet (AGFD, unpublished data accessed 2001).

**EXPOSURE:** East and North facing slopes.

**SUBSTRATE:**

**PLANT COMMUNITY:** Pine-oak and mixed-conifer forest; transition zone.

**POPULATION TRENDS:****SPECIES PROTECTION AND CONSERVATION**

**ENDANGERED SPECIES ACT STATUS:** None (USDI, FWS 1996).  
Category 2 (USDI, FWS 1993).

**STATE STATUS:** None

**OTHER STATUS:** Forest Service Sensitive (USDA, FS Region 3 1999)

**MANAGEMENT FACTORS:****CONSERVATION MEASURES TAKEN:**

**SUGGESTED PROJECTS:** 1) Relocate and monitor previously collected populations. 2) Survey for additional populations. 3) Determine status and distribution in Mexico.

**LAND MANAGEMENT/OWNERSHIP:** USFS - Apache-Sitgreaves and Coronado National Forests.

**SOURCES OF FURTHER INFORMATION****LITERATURE CITATIONS:**

- Falk. 1999 draft. *Conioselinum mexicanum* Coult. & Rose (Mexican Hemlock Parsley), Apiaceae. Draft abstract from the Arizona Rare Plant Book (in press).
- Hickman, J. C. ed. 1993. The Jepson manual, higher plants of California. University of California Press. Berkley. p. 144.
- Kearney, T.H. and R.H. Peebles. 1960. Arizona Flora (with supplement). University of California Press. Berkeley. p.620.
- Leahr, J. H. 1978. A catalogue of the flora of Arizona. Desert Botanical Gardens, Phoenix, Arizona. p. 111.
- NatureServe Explorer: An online encyclopedia of life [web application]. 2001. Version 1.6. Arlington, Virginia, USA: NatureServe. Available: <http://natureserve.org/explorer>. (Accessed: December 11, 2001).
- USDA, Forest Service Region 3. 1999. Regional Forester's Sensitive Species List.
- USDI, Fish and Wildlife Service. 1993. Plant Taxa for Listing as Endangered or Threatened Species; Notice of Review. Federal Register 58(188):51158.
- USDI, Fish and Wildlife Service. 1996. Endangered and Threatened Wildlife and Plants: Review of Plant and Animal Taxa that are Candidates for Listing as Endangered or Threatened Species; Notice of Review. Proposed Rule. Federal Register 61(40):7595-7613.

**MAJOR KNOWLEDGEABLE INDIVIDUALS:**

R.L. Hartman - University of Wyoming, Rocky Mountain Herbarium, Laramie.

**ADDITIONAL INFORMATION:**

Ron Hartman has had all specimens deposited at ARIZ and ASU herbaria since 1980.

In a letter to Sue Rutman (March 7, 1992), Ronald Hartman (curator Univ. of Wyoming) reviewed specimens of *C. mexicanum* and *C. scopularum* and expressed the opinion that *C. mexicanum* was only found in Mexico and not in the US. He indicated that hybridization between *C. mexicanum* and *C. scopularum* may have occurred in the past. (Falk, 1999 draft).

**Revised:** 1991-10-30 (PLW)

1991-12-04 (SR)

1998-01-06 (SSS)

2001-12-11 (SMS)

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