

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

Plant Abstract

Element Code: PDAPI070H0

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Angelica pinnata*
COMMON NAME: Angel Parsley, Small-leaf Angelica
SYNONYMS: *Angelica arguta*
FAMILY: Apiaceae (=Umbelliferae)

AUTHOR, PLACE OF PUBLICATION: Watson. 1871. Botany, Government Printing Office, Washington, D.C.

TYPE LOCALITY: Wasatch and Unita Mountains, Utah

TYPE SPECIMEN: Watson, S. #458.

TAXONOMIC UNIQUENESS:

DESCRIPTION: Perennial aquatic herb from a stout taproot with a single stem, 30-100 cm tall. Lower and middle stem leaves pinnate (once-divided), oblong in outline. Leaflets lance-shaped to oblong, with toothed margins 2.5-9 cm long and 0.5-3 cm wide. Inflorescences of umbels (flat topped branched flower clusters), the rays (branches of the cluster) to 7 cm long. Flowers white, with tiny petals. Fruits 3-6 mm long, elliptic-oblong to rounded, with distinct ridges.

AIDS TO IDENTIFICATION: When fresh, the roots exude an odor similar to that of licorice.

ILLUSTRATIONS: Line drawing of leaves. Hitchcock and Cronquist, 1961.

TOTAL RANGE: Wyoming and Utah to New Mexico and northern Arizona

RANGE WITHIN ARIZONA: Apache County, Lukachukai and White Mountains; Coconino County, Kaibab Plateau.

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM: Herbaceous perennial

PHENOLOGY: July - September

BIOLOGY:

HABITAT: Wet soil along streams, marshes, pond margins, foothills to subalpine; in meadows, under aspen-fir in openings in conifer forests, and on open slopes at higher elevations.

ELEVATION: 6,500 - 9,000 ft. (in Arizona)

EXPOSURE:

SUBSTRATE: Mud

PLANT COMMUNITY:

POPULATION TRENDS:

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS:

STATE STATUS:

OTHER STATUS:

MANAGEMENT FACTORS:

CONSERVATION MEASURES TAKEN:

SUGGESTED PROJECTS: Surveying the distribution and status of this high-elevation aquatic parsley in Arizona

LAND MANAGEMENT/OWNERSHIP: All three Arizona localities are on National Forest lands. A collection from North Canyon on the Kaibab Plateau is on Kaibab National Forest. Localities near Alpine and Greer are on Apache-Sitgreaves National Forest.

SOURCES OF FURTHER INFORMATION

LITERATURE CITATIONS:

Arizona Natural Heritage Program. 1981. *Angelica pinnata* (Angel Parsley). US Forest Service Contract Report.

- Arnow, L.A. , B.J. Albee and A.M. Wyckoff. 1980. Flora of the central Wasatch front, Utah. University of Utah Printing Service, Salt Lake City, Utah. pp.68-69.
- Hitchcock, C.L. and A. Cronquist. Part 3; Saxifragaceae to Ericaceae. 1961. Vascular plants of the Pacific Northwest. University of Washington Press, Seattle.
- Kearney, T.H. and R.H. Peebles. 1960. Arizona flora (with supplement). University of California Press, Berkeley, p. 620.
- Lehr, J.H. 1978. A catalogue of the flora of Arizona. Desert Botanical Garden, Phoenix, Arizona. p.111.
- McDougall, W.B. 1973. Seed plants of northern Arizona. The Museum of Northern Arizona, Flagstaff.

MAJOR KNOWLEDGEABLE INDIVIDUALS:**ADDITIONAL INFORMATION:**

Revised: 1992-12-10 (DBI)

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