

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

**Plant Abstract**

**Element Code:** PDLYT01010

**Data Sensitivity:** No

**CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE**

**NAME:** *Ammania auriculata*

**COMMON NAME:** Eared Toothcup

**SYNONYMS:**

**FAMILY:** Lythraceae

**AUTHOR, PLACE OF PUBLICATION:**

**TYPE LOCALITY:** Hooker's Cienega, Graham County, Arizona.

**TYPE SPECIMEN:** ARIZ 217626. Jenkins and G. Yatskievych 79-760. No date:

**TAXONOMIC UNIQUENESS:**

**DESCRIPTION:** Annual herb with erect to ascending, 4-angled stems, to 80 cm tall (usually much shorter). Leaves narrowly lance-shaped with elongated tips, to 5 cm long and 7 mm wide, with auriculate (ear-like lobes) bases. Flowers 3 or more per cyme (cluster), each on a stalk about 5-8 mm long, borne in the leaf axils (angle of leaf and stem). Petals 4, small, bluish-white, often missing. Calyx (sepals) 1.5-2 mm long, with triangular teeth. Fruiting calyx rounded 2-3 mm wide. Seeds red-brown.

**AIDS TO IDENTIFICATION:**

**ILLUSTRATIONS:**

**TOTAL RANGE:** Missouri to Texas, Arizona. southward; almost throughout warmer parts of the world.

**RANGE WITHIN ARIZONA:** Santa Cruz Co.: headwaters of Santa Cruz; Locheil; Hooker Cienega, Graham County.

**SPECIES BIOLOGY AND POPULATION TRENDS**

**GROWTH FORM:** Herbaceous annual

**PHENOLOGY:** May - July

**BIOLOGY:**

**HABITAT:** Wet soils in marshy areas, along ditches and pond margins.

**ELEVATION:** 3,500 - 4,500 ft.

**EXPOSURE:**

**SUBSTRATE:** Muddy soils

**PLANT COMMUNITY:**

**POPULATION TRENDS:**

### **SPECIES PROTECTION AND CONSERVATION**

**ENDANGERED SPECIES ACT STATUS:**

**STATE STATUS:**

**OTHER STATUS:**

**MANAGEMENT FACTORS:**

**CONSERVATION MEASURES TAKEN:**

**SUGGESTED PROJECTS:**

**LAND MANAGEMENT/OWNERSHIP:**

### **SOURCES OF FURTHER INFORMATION**

**LITERATURE CITATIONS:**

Correll, D.S. and M.C. Johnston. 1970. Manual of the vascular plants of Texas. pp. 1116-1117.

Kearney, T.H. and R.H. Peebles. 1960. Arizona flora (with supplement). University of California Press, Berkeley. p.588

Lehr, H.J. 1978. A catalogue of the flora of Arizona. Desert Botanical Garden, Phoenix, Arizona. p.106.

Mason, C.T. Jr. and G. Yatskievych. 1981. Notes on the flora of Arizona VI. Desert Plants. Boyce-Thompson Southwest Arboretum, Superior, Arizona. 3:29-30.

Munz, P.A. and D.D. Keck. 1968. A California flora. University of California Press, Berkeley. p.922.

Shreve, F. and I.L. Wiggins. 1964. Vegetation and flora of the Sonoran Desert. Stanford University Press, Stanford, California. p. 1038.

#### MAJOR KNOWLEDGEABLE INDIVIDUALS:

#### ADDITIONAL INFORMATION:

According to Kearney and Peebles, 1960, there is a question about the classification. They state that, according to Koehne, all American specimens of *A. auriculata* belong to var. *arenaria* (H.B.K.) Koehne

**Revised:** 1992-12-08 (DBI)

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