

ARIZONA GAME AND FISH DEPARTMENT
HERITAGE DATA MANAGEMENT SYSTEM

Plant Abstract

Element Code: PDASTDYOCO

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Tetraneris verdiensis*

COMMON NAME: A Hymenoxys

SYNONYMS:

FAMILY: Asteraceae

AUTHOR, PLACE OF PUBLICATION: R.A. Denham & B.L. Turner, *Phytologia* 81(1): 5-9, f. 1. 1996.

TYPE LOCALITY: 5 miles east of Camp Verde, 3300 ft, Yavapai County, Arizona, Southwestern U.S.A.

TYPE SPECIMEN: HT: TEX. R.A. Denham, Forbes & Searle 1840, 14 May 1995.

TAXONOMIC UNIQUENESS: There are five species in this genus in Arizona.

DESCRIPTION: Dwarf scapose perennial 4-7 cm (1.6-2.8 in) high, the stems arising from a branched woody caudex. Leaves relatively thick, all basal, 1.5-2.5 cm long, 3.5 mm wide; blades ovate to narrowly ovate, moderately but deeply glandular-punctate, entire, markedly white-pilose throughout with hairs 3-6 mm long, the apices acute to obtuse. Scapes 4-6 cm (1.6-2.4 in) long, ebracteate, pilose with upwardly appressed and widely spreading hairs 1-4 mm long. Heads single, hemispheric. Involucre 5-6 mm high, 3-4 mm across. Ray florets absent. Disk florets ca. 40 (est.); corollas yellow, ca. 3.5 mm long, the tube ca. 0.5 mm long, the lobes 5, densely pubescent. Anthers yellow with ovate appendages. Style branches truncate, apically hispidulous. Achenes (immature) ca. 3 mm long, densely pubescent; pappus of ca. 8 lanceolate scales 2-3 mm long. (Denham and Turner, 1996).

AIDS TO IDENTIFICATION: According to Denham and Turner (1996), *Tetraneris verdiensis* can be distinguished from the closely sympatric *T. scaposa* (*Hymenoxys acaulis* var. *arizonica*) by its dwarf habit, relatively short broad leaves, long pilose vestiture, and rayless heads.

ILLUSTRATIONS: Line Drawing (Denham & Turner, 1996)

TOTAL RANGE: *Tetraneris verdiensis* is a localized edaphic endemic of central Arizona.

RANGE WITHIN ARIZONA: See "Total Range."

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM: Perennial.

PHENOLOGY:

BIOLOGY:

HABITAT: Low chalky flat-topped hills composed of marl with gypsum crystals at the surface.

ELEVATION: 3,300 feet (1006 m).

EXPOSURE: Possibly northeast to southwest.

SUBSTRATE: Type locality occurred on lacustrine marl in the Verde Formation, with gypsum crystals at the surface.

PLANT COMMUNITY: Dwarf sub-shrub community dominated by *Eriogonum ericifolium* var. *ericifolium* (Heath Wild Buckwheat), and *Salvia dorrii* ssp. *mearnsii* (Mearn or Purple Sage).

POPULATION HISTORY AND TRENDS: Unknown.

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS: None

STATE STATUS: None

OTHER STATUS: None

MANAGEMENT FACTORS:

PROTECTIVE MEASURES TAKEN:

SUGGESTED PROJECTS:

LAND MANAGEMENT/OWNERSHIP:

SOURCES OF FURTHER INFORMATION**REFERENCES:**

Denham, R.A. & B.L. Turner. 1996. A New Species of *Tetraneuris* (Asteraceae, Helenieae) from the late Tertiary Verde Formation of central Arizona. *Phytologia* 81(1): 5-9.

[Http://www.ipni.org](http://www.ipni.org).

Missouri Botanical Garden – TROPICOS, Nomenclatural Data Base. *Tetraneuris verdiensis* R.A. Denham & B.L. Turner. http://mobot.mobot.org/cgi-bin/search_vast. Accessed: 6 Dec 2004.

NatureServe. 2004. An online encyclopedia of life [web application]. Version 3.1. Arlington, Virginia, USA: NatureServe. Available: <http://www.natureserve.org/explorer>. (Accessed: December 09, 2004).

MAJOR KNOWLEDGEABLE INDIVIDUALS:**ADDITIONAL INFORMATION:**

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