

ARIZONA GAME AND FISH DEPARTMENT
HERITAGE DATA MANAGEMENT SYSTEM

Plant Abstract

Element Code: PDLAM1U124

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Scutellaria potosina* var. *grahamiana*

COMMON NAME: Mexican Skullcap

SYNONYMS:

FAMILY: Lamiaceae

AUTHOR, PLACE OF PUBLICATION: B.L. Turner, Phytologia 76: 374. 1994.

TYPE LOCALITY: Galiuro Mountains, Redfield Canyon, Graham County, Arizona.

TYPE SPECIMEN: ARIZ 231146 (Holotype).

TAXONOMIC UNIQUENESS: *Scutellaria* is a large genus with over 200 species worldwide. Turner (1994) recognized 26 geomorphological taxa (19 species and 9 varieties) of *Scutellaria* section *Resinosa*, which is a group of xeric or subxeric, mostly tap-rooted species of Mexico and the closely adjacent U.S. One of the 7 species restricted to the United States is *S. potosina*, which had three varieties defined in 1994: *S.p.* var. *platyphylla*, var. *tessellata*, and var. *grahamiana*. *S. potosina* var. *grahamiana* is known only from the type locality in the Galiuro Mountains of SE Arizona.

DESCRIPTION: Perennial herb, with tap-root. Stems branched, 33-38cm long with few and scattered sessile glands, hairs absent or sparse. Leaves opposite, ovate, margin entire, hairs absent or few on abaxial veins only. Flower pedicel length 2.5-3mm, corolla tube length 7-10mm, corolla tube diameter at throat 3-5.8mm, corollas blue to purple. Mericarps have not been observed on any specimens (Rhodes and Ayers, 2010).

AIDS TO IDENTIFICATION: Stems glabrous or nearly so (only a few scattered hairs), mature nutlets are absent, known only from Graham county, AZ.

ILLUSTRATIONS:

TOTAL RANGE: *S. potosina* var. *grahamiana* is known only from the type locality in SE Arizona.

RANGE WITHIN ARIZONA: Galiuro Mountains, Redfield Canyon, Graham County, AZ.

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM: Perennial herb, with tap-root.

PHENOLOGY: Flowers: May-August.

BIOLOGY:

HABITAT: Pinyon-juniper riparian.

ELEVATION: 3950-3960 feet (1204-1207m).

EXPOSURE: Within canyon, but collected on east side (western exposure).

SUBSTRATE: Rocky drainage with lots of leaf litter (type locality).

PLANT COMMUNITY: *Ulmus*, *Juniperus*, *Vitis arizonica*, *Platanus wrightii*, *Juglans major*, *Dasyllirion*.

POPULATION HISTORY AND TRENDS: Unknown. Collected from single site in 1980, 1981 and 1999. Listed as critically imperiled (S1) by NatureServe due to highly restricted distribution.

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS: None.

STATE STATUS: None.

OTHER STATUS:

MANAGEMENT FACTORS: Unknown.

PROTECTIVE MEASURES TAKEN: None.

SUGGESTED PROJECTS: At least monitor type locality periodically, and consider searching in similar geographical settings in SE Arizona.

LAND MANAGEMENT/OWNERSHIP: BLM

SOURCES OF FURTHER INFORMATION

REFERENCES:

Rhodes, S.L. and T.J.Ayers. 2010. Two new taxa of *Scutellaria* Section *Resinosa* (Lamiaceae) from Northern Arizona. *J. Botanical Research Institute of Texas* 4(1):19-26.

Tropicos, <http://www.tropicos.org/Name/100257884>, accessed 5/14/2013.

Turner, Billie L. 1994. A taxonomic overview of *Scutellaria*, Section *Resinosa* (Lamiaceae). *Phytologia* 76(5): 345-382.

MAJOR KNOWLEDGEABLE INDIVIDUALS:

ADDITIONAL INFORMATION: It is possible that variety *grahamiana* is only a nearly glabrous form of var. *tessellata* but it apparently does not occur within the geographical distribution of the latter, and it is known from three collections (all from the same general area). Because of this, and the absence of near-glabrous forms across the entire gamut of *S. potosina*, Turner (1994) thought that formal recognition at the varietal level is justified for this population.

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