

ARIZONA GAME AND FISH DEPARTMENT  
HERITAGE DATA MANAGEMENT SYSTEM

Plant Abstract

Element Code: PDBRA2G0C0

Data Sensitivity: No

**CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE**

**NAME:** *Streptanthus carinatus*  
**COMMON NAME:** Lyre-leaf Twistflower  
**SYNONYMS:** *Disaccanthus carinatus*; *Caulanthus carinatus*  
**FAMILY:** Brassicaceae

**AUTHOR, PLACE OF PUBLICATION:** Gray, A. 1852. Smithson. Inst. Cont. 3:1-146.

**TYPE LOCALITY:**

**TAXONOMIC UNIQUENESS:** This species has been suggested to be con-specific with *S. arizonicus*.

**DESCRIPTION:** Glabrous spring annual up to 15-60 cm (6-24 inches) tall with pinnatifid lower leaves and reduced cauline leaves that are auriculate and clasping. Flowers are urn-shaped and purplish. Siliques are long and flat. Seeds flat, orbicular, widely winged.

**AIDS TO IDENTIFICATION:**

**ILLUSTRATIONS:** G.H. Warnock 1970. Wildflowers of the Big Bend Country, Texas. pg. 40.

**TOTAL RANGE:** Trans-Pecos Texas, southern New Mexico, southeastern Arizona, and adjacent northern Mexico.

**RANGE WITHIN ARIZONA:** Santa Rita Mountains, Pima County.

**SPECIES BIOLOGY AND POPULATION TRENDS**

**GROWTH FORM:** Herbaceous Annual

**PHENOLOGY:** March - May

**BIOLOGY:**

**HABITAT:** Rocky, mountain slopes.

**ELEVATION:** 2,000 - 7,000 feet (610 - 2135 m).

**EXPOSURE:**

**SUBSTRATE:**

**PLANT COMMUNITY:** Various

**POPULATION TRENDS:** Large annual variation in population size.

### **SPECIES PROTECTION AND CONSERVATION**

**ENDANGERED SPECIES ACT STATUS:** None (USDI, FWS 1996)  
[Category 3C, 1985 Notice of Review]

**STATE STATUS:**

**OTHER STATUS:** Forest Service Sensitive (USDA, FS Region 3, 1990)

**MANAGEMENT FACTORS:**

**PROTECTIVE MEASURES:**

**SUGGESTED PROJECTS:**

**LAND MANAGEMENT/OWNERSHIP:**

### **SOURCES OF FURTHER INFORMATION**

#### **LITERATURE CITATIONS:**

Gray, A. 1852. "Plantae Wrightianae" Smithson. Inst. Contr. 3:1-146.

Greene. 1906. Lflts. Bot. Obs. and Crit. 1:225.

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):7604.

Warnock, B.H. 1970. Wildflowers of the Big Bend Country, Texas. Sul Ross State University, Alpine, Texas.

Worthington, R.D. 1981. Status report for *Streptanthus carinatus* Wright. Unpublished report submitted to U.S. Fish and Wildlife Service, Albuquerque, New Mexico.

#### **MAJOR KNOWLEDGEABLE INDIVIDUALS:**

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Dr. A.M. Powell - Sul Ross State University, Alpine, Texas.

Dr. R.D. Worthington - University Texas, El Paso.

**ADDITIONAL INFORMATION:**

Species is widely distributed in west Texas, with over 50 sites in six counties.

**Revised:** 1991-11-12 (PLW)  
1998-01-09 (SSS)

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