

ARIZONA GAME AND FISH DEPARTMENT  
HERITAGE DATA MANAGEMENT SYSTEM

Plant Abstract

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**CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE**

**NAME:** *Nissolia wislizeni* (A. Gray) A. Gray  
**COMMON NAME:** Arizona yellowhood, Arizona nissolia  
**SYNONYMS:** *Chaetocalyx wislizenii* A. Gray  
**FAMILY:** Fabaceae

**AUTHOR, PLACE OF PUBLICATION:** *Nissolia wislizeni* (A. Gray) A. Gray, Journal of the Linnean Society, Botany 5: 25. 1861. *Chaetocalyx wislizenii* A. Gray, Smithsonian Contributions to Knowledge 3(art. 5): 51. 1852.

**TYPE LOCALITY:** Battle-ground of Sacramento, near Chihuahua, Mexico.

**TYPE SPECIMEN:** HT: GH-53336. F.A. Wislizenus 151, in flower.

**TAXONOMIC UNIQUENESS:** The species *wislizeni* is 1 of 3 in the genus *Nissolia*, and 1 of 2 that occurs in Arizona. The species that occurs in the state is *N. schottii*.

**DESCRIPTION:** Herbaceous perennial vine, with prostrate or ascending stems. Leaves pinnate, the leaflets commonly 5, not more than 15 mm long. Flowers are few, axillary, in short racemes or fascicles, the corolla yellow; calyx tube is pubescent, longer than the triangular teeth. Fruit turgid, commonly 2- or 3-seeded and deeply constricted between the seeds, straight, the terminal winglike segment smaller than the others. (Kearney and Peebles, 1951).

**AIDS TO IDENTIFICATION:** *Nissolia wislizeni* is more trailing than *Nissolia schottii*, with leaf-segments scarcely more than 0.5 inch long. The pod is not flat, usually with two or three seeds, and no wing.

**ILLUSTRATIONS:**

**TOTAL RANGE:** Southeastern Arizona, and Northern (Chihuahua, Durango, San Luis Potosi, Sonora, Zacatecas) and Central (Aguascalientes, Guanajuato, Hidalgo, Jalisco, Queretaro), Mexico.

**RANGE WITHIN ARIZONA:** Cochise County, in southeastern part of state including Naco and vicinity, flats north of Mule Mountains, and the southern portions of the Huachuca Mountains.

**SPECIES BIOLOGY AND POPULATION TRENDS**

**GROWTH FORM:** Perennial vine, forb/herb.

**PHENOLOGY:** Flowers July and August.

**BIOLOGY:**

**HABITAT:** Mesas and grassland flats.

**ELEVATION:** 4,600 - 4,900 ft (1403-1495 m).

**EXPOSURE:**

**SUBSTRATE:**

**PLANT COMMUNITY:** Unknown

**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:** Studies to determine biological factors, distribution, and population status need to be performed.

**LAND MANAGEMENT/OWNERSHIP:** NPS-Coronado National Memorial; Private.

**SOURCES OF FURTHER INFORMATION**

**REFERENCES:**

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**MAJOR KNOWLEDGEABLE INDIVIDUALS:****ADDITIONAL INFORMATION:**

**Revised:** 2004-12-26 (AMS)  
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