

ARIZONA GAME AND FISH DEPARTMENT
HERITAGE DATA MANAGEMENT SYSTEM

Plant Abstract

Element Code: PDCUC0F020

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Ibervillea tenuisecta* (A. Gray) Small

COMMON NAME: Texas globe berry, Texas globeberry, slimlobe globeberry, deer-apples, cutleaf globe berry

SYNONYMS: *Sicydium lindheimeri* var. *tenuisectum* Gray, *Ibervillea lindheimeri* Greene var. *tenuisecta* (A. Gray) M.C. Johnst., *Maximowiczia lindheimeri* var. *tenuisecta* (A. Gray) Cogn.

FAMILY: Cucurbitaceae

AUTHOR, PLACE OF PUBLICATION: *Ibervillea tenuisecta* (A. Gray) Small, Flora of the Southeastern United States ... 1136, 1138. 1903. *Sicydium lindheimeri* var. *tenuisectum* A. Gray, Smithsonian Contr. Knowl. 3(5): 75. 1852.

TYPE LOCALITY: U.S.A., from western Texas to El Paso, New Mexico.

TYPE SPECIMEN: HT: GH-31901. C. Wright 221, Oct 1849. IT: K, US.

TAXONOMIC UNIQUENESS: *Ibervillea tenuisecta* is 1 of 2 species in the genus *Ibervillea*, and the only one in Arizona.

DESCRIPTION: Perennial prostrate or climbing (usually) vine from an underground tuber, with branched, slender stems to several meters long. Leaves to 6 cm (2.5 in) wide, the leaf lobes deeply cleft (5-parted) or lobed into linear acute ultimate divisions. Petioles to 2 cm long; hypanthium campanulate, glabrous, 3-4 mm long. *Ibervillea* is dioecious, meaning that there are male and female plants, and both are needed to produce viable seeds. The yellow staminate flowers are tubular, to 8 mm long, sepals triangular-ovate. The fruit is bright-red when ripe, 1-2 cm in diameter; seeds 5-6 mm long, obovoid, thick margined, wrinkled, bearing a pair of blunt points at the base.

AIDS TO IDENTIFICATION:

ILLUSTRATIONS: B&W drawing (Martin and Hutchins, 1981: p. 1930).

Color photo (Art Pacheco in <http://www.desert-tropicals.com/>)

Color photos of plant and flower (<http://www.charlies-web.com/>)

Color photo of type (US-48016, in

<http://ravenel.si.edu/botany/types//fullRecords.cfm?myFamily=>)

Color photos of specimens (NYBG, in

<http://207.156.243.8/emu/vh/specimen.php?irn=500971-500974>)

Color photo (Robert Sivinski, *in* eNature at http://www.enature.com/fieldguide/showSpecies_LL.asp?imageID=26525)

TOTAL RANGE: Western Texas to New Mexico, Arizona and Mexico.

RANGE WITHIN ARIZONA: Cochise County, Blue Mountain vicinity east of Chiricahua Mountains, also east of Douglas. Tumamoc Hill, Pima County.

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM: Perennial vine, forb/herb from underground tuber.

PHENOLOGY: Flowers from June to September.

BIOLOGY: The species is frost sensitive, and will die back below 40° F (4° C); roots can take at least 20° F (-7° C) for a short period of time.

HABITAT: On rocky limestone hillsides and along draws, climbing on shrubs.

ELEVATION: 2,600 – 4,400 ft (793-1342 m) in Arizona. In New Mexico, found in elevations ranging from 3,000 - 4,500 ft (915-1373 m) (Martín and Hutchins, 1981). In Texas, collected at 3477 feet (1060 m).

EXPOSURE: Light shade to full sun. On southern exposure in New Mexico.

SUBSTRATE: Sandy ground.

PLANT COMMUNITY: Chihuahuan desertscrub. Associated species include: *Acacia neovernicosa* (viscid acacia), *Flourensia cernua* (American tarwort), *Fouquieria splendens* (Ocotillo), *Larrea tridentata* (creosote-bush), *Opuntia*, *Parkinsonia* (paloverde), *Prosopis* (mesquite), *Scleropogon brevifolius* (burro grass), and *Yucca elata* (soaptree yucca). In Texas, collected with *Atriplex* (saltbush), *Mentzelia multiflora* (Adonis blazing-star), *Proboscidea parviflora* (small-flower Unicorn-plant), and *Trianthema portulacastrum* (desert horse-purslane). (SEINet accessed 2005).

POPULATION HISTORY AND TRENDS: Unknown.

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS: None

STATE STATUS: None

OTHER STATUS:

None (USDI, BLM AZ 2005)
[Bureau of Land Management Sensitive (USDI,
BLM 2000)]

MANAGEMENT FACTORS:**PROTECTIVE MEASURES TAKEN:****SUGGESTED PROJECTS:**

LAND MANAGEMENT/OWNERSHIP: DOD – National Guard Military Reservation; State Land Department; Private. Possibly on BLM owned land.

SOURCES OF FURTHER INFORMATION**REFERENCES:**

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MAJOR KNOWLEDGEABLE INDIVIDUALS:

ADDITIONAL INFORMATION:

Revised: 2002-06-20 (SMS)
2005-05-19 (SMS)

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