

**ARIZONA GAME AND FISH DEPARTMENT  
HERITAGE DATA MANAGEMENT SYSTEM**

**Plant Abstract**

**Element Code:** PDAST70120

**Data Sensitivity:** No

**CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE**

**NAME:** *Perityle ambrosiifolia*  
**COMMON NAME:** Lace-leaf Rockdaisy, Lace-leaved Rockdaisy  
**SYNONYMS:** *Laphamia ambrosifolia* Greene  
**FAMILY:** Asteraceae

**AUTHOR, PLACE OF PUBLICATION:** Greene ex A.M. Powell & S.C. Yarborough, in *Phytologia*, 76(4): 325-327 (1994). 1994.

**TYPE LOCALITY:** United States of America, Arizona, Greenlee Co., above San Francisco River bank, S. Clifton.

**TYPE SPECIMEN:** HT: NY-39620. B. Maguire, B.L. Richards, Jr. & T. Moeller 11787, 05 Jun 1935, in flower. IT: GH, UC, US, UTC.

**TAXONOMIC UNIQUENESS:** Species *ambrosiifolia* is 1 of 35 in the genus *Perityle*, and was first described as a new species in 1994. "It is possible that *P. ambrosiifolia* could have resulted from intrasectional hybridization (Niles 1970; Powell 1972) between *P. lemmonii* and *P. gilensis* or *P. saxicola*, or intersectional hybridization (Niles 1970; Powell 1970, 1972, 1974) between *P. lemmonii*, *P. gilensis*, or *P. saxicola* and *P. coronopifolia* A. Gray (with white rays). All of these taxa are geographically proximal and their hybrids would be expected to exhibit at least some characters of *P. ambrosiifolia* (Niles 1970)." (Powell and Yarborough 1994).

**DESCRIPTION:** "Suffructicose perennial, 10-30 cm (3.93-11.81 in) high, usually villous, occasionally pilose, often with glandular hairs. Stems brittle, densely leafy. Leaves opposite or alternate; petioles 5-10 mm long; lower leaf blades usually 1.7-3.5 cm long, 1.7-3.0 cm wide, tripartitely parted or appearing compound pinnatifid with the segments lobed, cleft, parted, or divided, upper leaves often smaller and less divided, the margins crenate. Heads discoid, or with a few ray flowers; peduncles 3-10 mm long; head 7-10 mm high, 6-11 mm wide; involucre campanulate; phyllaries 14-20, linear to linear-lanceolate, 6-9 mm long, 0.5-1.2 (-2) mm wide, villous. Ray flowers (the few observed) pistillate and fertile; ligules (color unknown) 3-5 mm long, 1.5-2.0 mm wide. Disk flowers 25-45; corollas yellow, 4.0-5.5 mm long, throat glandular, tubular to narrowly funnelform.... Achenes narrowly oblanceolate, with one or both surfaces rounded or angled; 3-4 mm long; margins thin-calloused, short ciliate; surfaces more or less dense with short, appressed hairs." (Powell and Yarborough 1994).

**AIDS TO IDENTIFICATION:**

**ILLUSTRATIONS:** Line drawing (Powell and Yarborough, 1994: fig. 1).  
Color photo of Holotype specimen (NY-39620, in <http://207.156.243.8/emu/vh/specimen.php?irn=325724>)  
Color photo of Isotype specimen (US-1921411, in <http://ravenel.si.edu/botany/types/fullRecords.cfm?myFamily=>)

**TOTAL RANGE:** On cliffs above Eagle Creek and San Francisco River, Greenlee County, Arizona.

**RANGE WITHIN ARIZONA:** See "Total Range."

### **SPECIES BIOLOGY AND POPULATION TRENDS**

**GROWTH FORM:** Perennial subshrub forb/herb.

**PHENOLOGY:**

**BIOLOGY:**

**HABITAT:** Holotype collected on face of conglomerate cliff with *Prosopis* and *Euphorbia*. In fissures and crevices in conglomerate rock, near seeps and water falls; high desert above and riparian below.

**ELEVATION:** 1,800 – 4,900 ft (549-1494 m).

**EXPOSURE:** A specimen collected in 1994 was on north and east facing walls.

**SUBSTRATE:** Sandstone rock and rock crevices.

**PLANT COMMUNITY:** Pinyon-juniper grassland. Associated species include: *Acacia*, *Baccharis* (false-willow), *Dasyilirion wheeleri* (spoonflower), *Echinocereus triglochidiatus* (mound hedgehog-cactus), *Fraxinus* (ash), *Nicotiana* (tobacco), *Opuntia phaeacantha* (New Mexican Prickly-pear), *Platanus wrightii* (Wright Sycamore), *Populus* (cottonwood), *Prosopis* (mesquite), and *Simmondsia chinensis* (Jojoba).

**POPULATION HISTORY AND TRENDS:** Unknown.

### **SPECIES PROTECTION AND CONSERVATION**

**ENDANGERED SPECIES ACT STATUS:** None

**STATE STATUS:**

None

**OTHER STATUS:**Bureau of Land Management Sensitive (USDI,  
BLM 2000)**MANAGEMENT FACTORS:****PROTECTIVE MEASURES TAKEN:****SUGGESTED PROJECTS:****LAND MANAGEMENT/OWNERSHIP:** Private.**SOURCES OF FURTHER INFORMATION****REFERENCES:**

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**MAJOR KNOWLEDGEABLE INDIVIDUALS:**

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**ADDITIONAL INFORMATION:**

**Revised:** 2002-04-19 (SMS)  
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