

Gilia nyensis Reveal (1969)**NYE GILIA**

FAMILY: *Polemoniaceae*, the phlox family.

STATUS: **Heritage Program WATCH LIST, ranks: G3 S3**

USFWS/ESA: none. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** none. **NNNPS:** none.

POPULATION CENSUS: **29 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **33 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 1385+**, total estimated **area unknown**. **TREND:** unknown.

IMPACTS AND MAJOR THREATS: No summary available (see references).

INVENTORY EFFORT: Surveys have been extensive but are incompletely documented, and undocumented occurrences likely remain. Most recent entered survey 1979, average year of last survey 1975.

Years since last entered survey (percent of mapped records at various survey ages): **21-30 yrs:** 66.7%; **31-50 yrs:** 33.3%.

LAND MANAGEMENT in decreasing predominance: U. S. Department of Energy, U. S. Department of Defense, U. S. Bureau of Land Management, Nevada state lands, U. S. Fish and Wildlife Service (?).

RANGE: Lincoln and Nye counties, Nevada. **Nevada endemic.** Maximum **range dimension 80.7 km (50.1 mi)** excluding most disjunct record. **Type specimen** collected in Nye County.

ELEVATIONS RECORDED: 3600-7400 feet (1097-2256 meters).

HABITAT: Deep loose sandy soil often derived from light-colored tuff or other volcanic rocks, often at bases of cliffs or outcrops, the soil sometimes covered by talus or scree, or in washes, road cuts, or other disturbances crossing such habitats, mostly in the pinyon-juniper and sagebrush zones, sometimes down to the shadscale zone. Possibly dependent on sand dunes or deep sand.

PHENOLOGY: flowering late-spring to summer. Range of most frequent **survey months:** June-August.

LIFE-FORM AND HABIT: annual.

DESCRIPTION: A winter annual, up to 3 dm tall, with magenta-colored flowers in May and June (occasional individuals bloom through summer into autumn). **Distinguishing features:** Similar to *Gilia heterostyla*, but has homostylous flowers.

PHOTOGRAPHS: Nevada Natural Heritage Program images web page (1998-present).

ILLUSTRATIONS: Cronquist et al. (1984), Reveal (1969).

OTHER GENERAL REFERENCES (listed separately): Beatley (1976), Rhoads et al. (1979).

SPECIFIC REFERENCES:

Reveal, J. L. 1969. New species in *Eriogonum* and *Gilia* from southern Nevada. *Bulletin of the Torrey Botanical Club* 96: 476-484.

OF FURTHER INTEREST: Several occurrences previously mapped as *Gilia nyensis* have heterostylous flowers and were recently described by Cochrane and Day (1994) as a separate species, *Gilia heterostyla*.
