

Penstemon bicolor (Brandege) Clokey & Keck **ssp. *roseus*** Clokey & Keck

ROSY TWOTONE BEARDTONGUE

FAMILY: *Scrophulariaceae*, the figwort family.

SYNONYMS: *Penstemon bicolor* (?)

STATUS:

Heritage Program SENSITIVE LIST, ranks: G3 T3Q S3

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** none.

POPULATION CENSUS (NEVADA): **49 occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 52 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 6049+**, total estimated **area 82.5+ ha (204+ ac)**.

TREND: unknown.

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

INVENTORY EFFORT (NEVADA): Surveys have been extensive and are ongoing. Most recent entered survey 1999, average year of last survey 1980. **Years since last entered survey** (percent of mapped records at various survey ages): **0-5 yrs:** 7.4%; **6-10 yrs:** 24.1%; **11-20 yrs:** 22.2%; **21-30 yrs:** 24.1%; **31-50 yrs:** 14.8%; **51+ yrs or unknown:** 7.4%.

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

RANGE: Clark and Nye counties, Nevada; also in AZ and CA. Maximum Nevada **range dimension 127.6 km (79.3 mi)** excluding most disjunct record. **Type specimen** collected in Clark County.

ELEVATIONS RECORDED (NEVADA): 1800-4839 feet (549-1475 meters).

HABITAT (NEVADA): Rocky calcareous, granitic, or volcanic soils in washes, roadsides, scree at outcrop bases, rock crevices, or similar places receiving enhanced runoff, in the creosote-bursage, blackbrush, and mixed-shrub zones.

PHENOLOGY: flowering late-winter to early-spring, mid-March to mid-May. Range of most frequent **survey months:** March-September.

LIFE-FORM AND HABIT: perennial herb.

DESCRIPTION: not available (see references).

PHOTOGRAPHS: Weixelman and Atwood (1990); Nevada Natural Heritage Program images web page (1998-present) and files.

ILLUSTRATIONS: Mozingo and Williams (1980), Weixelman and Atwood (1990).

OTHER GENERAL REFERENCES (listed separately): Ackerman (1981), Clokey (1951), Hickman (1993), Niles et al. (1998), Niles et al. (1999).

SPECIFIC REFERENCES:

Clokey, I. W. and D. D. Keck. 1939. Reconsideration of certain members of *Penstemon* subsection *Spectabiles*. *Bulletin of the Southern California Academy of Sciences* 38: 8-13.

Keck, D. D. 1937. Studies in *Penstemon* V. The section *Peltanthera*. *American Midland Naturalist* 18: 790-829.
