

***Penstemon leiophyllus* Pennell *var. francisci-pennellii* (Crosswhite) N. Holmgren****PENNELL BEARDTONGUE**

**FAMILY:** *Scrophulariaceae*, the figwort family.

**SYNONYMS:** *Penstemon francisci-pennellii*

**STATUS:**

**Heritage Program SENSITIVE LIST, ranks: G3 T2 S2**

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

**POPULATION CENSUS (NEVADA):** 8 occurrences mapped; total estimated individuals 45,000+, total estimated area 194+ ha (479+ ac). **TREND:** unknown.

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

**INVENTORY EFFORT (NEVADA):** Not yet systematically surveyed in Nevada. Most recent entered survey 1980, average year of last survey 1963. **Years since last entered survey** (percent of mapped records at various survey ages): **21-30 yrs:** 50%; **31-50 yrs:** 25%; **51+ yrs or unknown:** 25%.

**LAND MANAGEMENT (NEVADA)** in decreasing predominance: National Park Service, Humboldt-Toiyabe National Forest, U. S. Bureau of Land Management, private lands (?).

**RANGE:** Lincoln, Nye, and White Pine counties, Nevada; also in UT. In Nevada known from the Snake, Wilson Creek, southern Schell Creek, Egan, and Grant ranges. Maximum Nevada **range dimension 58.8 km (36.6 mi)** excluding most disjunct record.

**ELEVATIONS RECORDED (NEVADA):** 7000-11500 feet (2134-3505 meters).

**HABITAT (not yet reviewed for Nevada):** "Rocky calcareous slopes, shaded banks. Elevation: 2590-3355m."

**PHENOLOGY:** no summary available. Range of most frequent **survey months:** July-August.

**DESCRIPTION:** not available (see references).

**PHOTOGRAPHS:** none known.

**ILLUSTRATIONS:** Cronquist et al. (1984), Mozingo and Williams (1980).

**OTHER GENERAL REFERENCES** (listed separately): Clokey (1951).

**SPECIFIC REFERENCES:**

Crosswhite, F. S. 1965. Four new Nevadan species of *Penstemon* (Scrophulariaceae). *Leaflets of Western Botany* 10: 168-172.

Woodbury, K. 1980. Status report for *Penstemon keckii*. Portland, Oregon: U. S. Fish and Wildlife Service.

Woodbury, K. 1980. Status report for *Penstemon francisci-pennellii*. Portland, Oregon: U. S. Fish and Wildlife Service.

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