

Penstemon rhizomatosus N. Holmgren (1998)**RHIZOME BEARDTONGUE**

FAMILY: *Scrophulariaceae*, the figwort family.

STATUS: **Heritage Program SENSITIVE LIST, ranks: G1 S1**

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

POPULATION CENSUS: 6 occurrences mapped; total estimated individuals 505+, total estimated area unknown.

TREND: unknown.

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

INVENTORY EFFORT: More survey work. Most recent entered survey 1998, average year of last survey 1986.

Years since last entered survey (percent of mapped records at various survey ages): **0-5 yrs:** 16.7%; **11-20 yrs:** 83.3%.

LAND MANAGEMENT: Humboldt-Toiyabe National Forest.

RANGE: White Pine County, Nevada. Narrow endemic, found within one mountain range on very specific habitat.

Maximum **range dimension 22.4 km (13.9 mi)** excluding most disjunct record. **Type specimen** collected in White pine County.

ELEVATIONS RECORDED: 10000-11250 feet (3048-3429 meters).

HABITAT: Crevices of cliffs and outcrops, or silty loam soil pockets in talus or scree, of carbonate rocks on steep slopes of various aspects in the subalpine conifer zone.

PHENOLOGY: flowering summer, in Jul and a few seen in Sept. Range of most frequent **survey months:** June-August.

LIFE-FORM AND HABIT: rhizomatous perennial herb.

DESCRIPTION: Rhizomatous perennial herb 1-3 dm tall from a deeply buried taproot, with violet tubular flowers 14-18 mm long. **Distinguishing features:** Distinguished from *P. kingii* by rhizomatous habit, mostly petiolate leaves, and different pubescence.

PHOTOGRAPHS: none known.

ILLUSTRATIONS: Holmgren (1998).

SPECIFIC REFERENCES:

Holmgren, N. H. 1998. Two new species of *Penstemon* (*Scrophulariaceae*: sect. *Saccanthera*) from Nevada, U. S. A. *Brittonia* 50: 159-164.
