

Heritage Ranking Form - Global Rank

Scientific Name: Penstemon peckii

Common Name: Peck's penstemon

Classification: Vascular Plant

Range Extent: C = 250-1,000 sq km (~100-400 sq mi)

Comments: 373 sq. mi., convex hull; Oregon endemic, limited to central Oregon

Area of Occupancy: E = 26-125 4-km² grid cells

Comments: 98 grid cells

Number of Occurrences: C = 21 - 80

Comments: 32 occurrences, 1 km separation distance

Population Size: G = 100,000 - 1,000,000 individuals

Comments: 220000 (est. from eos); 247000 (est. from Pajutee 2009)

Good Viability: D = Some (13-40) occurrences with excellent or good viability or ecological integrity

Comments: 22 occurrences with good to excellent viability

Environmental Specificity: Not Evaluated

Comments: None

Short Term Trends: G = Relatively Stable (<=10% change)

Comments: None

Long Term Trends: EF = Decline of 10 - 50%

Comments: Both wildfires and frequent floods helped create open areas to help with seed germination. With European settlement in late 1800's, fires were suppressed and creeks and waterways were channeled to prevent flooding (Pajutee 2009).

Threat Impact: Not Evaluated

Comments: None

Intrinsic Vulnerability: B = Moderately vulnerable

Comments: Very low recruitment (Pajutee 2009).

Heritage Rank: G3

Comments: This species has high plant numbers but is limited in range to less than 400 sq. miles. It has very low recruitment rate with seedlings seldom observed.

Rank Notes: None

Reference: Pajutee, Maret. 2009. Species conservation strategy for Peck's penstemon (*Penstemon peckii*). Unpublished document, USDA Forest Service, Deschutes National Forest, Sisters Ranger District, Sisters, OR. 95 pp. | Field, Katharine G. 1985. Ecology and genetics of *Penstemon peckii* (Scrophulariaceae), a rare species from the Oregon Cascades. PhD Dissertation, Biology Dept., University of Oregon, Eugene, OR. 215 ppp.

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