

Heritage Ranking Form - State Rank

Scientific Name: Epilobium oreganum

Common Name: Oregon willow-herb

Classification: Vascular Plant

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

About 540 sq km. using extant occurrences.

Population Size: E = 2,500 - 10,000 individuals

Comments: Potentially 10,000 plants in early 2000s, if highest estimates taken (small number of sites with recent surveys). Population estimate was about 2700 plants using 1990s survey counts.

Number of

Occurrences: C = 21 - 80

Comments: 24 extant occurrences using 1km separation distance.

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

Comments: 27 4-km² grid cells occupied with extant occurrences.

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: 9 ranked as good or excellent, though some sites do not have much information other than plant counts.

Environmental

Specificity: Not Evaluated

Comments: None

Short Term Trends: U = Unknown

Comments: Some sites revisited in 2000s had greater plant numbers, but not enough revisit data to give an overall trend. A few historical sites revisited in 1990s had no plants found and are presumed extirpated.

Long Term Trends: U = Unknown

Comments: None

Threat Impact: AB = Very High - High

Comments: Threatened by mining activities, wetland alteration, fire suppression, off-road vehicles, logging, and grazing (Kagan et al. 2006; CNPS 2009).

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: S2

Comments: Several sites, but restricted to serpentine bogs and fens. Habitat threatened by mining, hydrology changes, off-road vehicles, and other disturbance.

Rank Notes: None

Reference: Kagan, Jimmy. 1990. Species management guide for *Epilobium oreganum* (Greene), Siskiyou National Forest and Medford District of the Bureau of Land Management. Oregon Natural Heritage Data Base, Portland, Oregon. 16 pp. plus appendices. Kagan, J., L. Hoover, J. McRae, W. Rolle, M. Mousseaux, L. Mazzu, S. Friedman. 2006. Conservation Agreement for *Hastingsia bvacteosa*, *H. atrogurpurea*, *Gentiana setigera*, *Epilobium oreganum*, and *Viola primulifolia* ssp. *occidentalis* and serpentine *Darlingtonia* wetlands and fens from Southwestern Oregon and Northwestern California. U.S. Fish and Wildlife Service. [http://www.fws.gov/oregonfwo/ToolsForLandowners/HabitatConservationPlans/ConsvAgreements/SerpentineFen-CA_6-2006.pdf]

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