

Heritage Ranking Form - State Rank

Scientific Name: Lilium occidentale

Common Name: Western lily

Classification: Vascular Plant

Range Extent: D = 1,000-5,000 sq km (~400-2,000 sq mi)

Extremely limited distribution: a 5-mile (7-km) wide strip of land along the southern Oregon coastline (range extends into northern California), Coos and Curry Counties. 2286 km² calculated by convex hull.

Population Size: D = 1,000 - 2,500 individuals

Comments: Estimated reproducing population around 1500 in Oregon, based on 2009 FWS 5-year review document.

Number of

Occurrences: B = 6 - 20

Comments: 12 extant occurrences using 1 km separation distance.

Area of Occupancy: E = 20-100 km²

Comments: 23 4km² grid cells occupied by extant sites.

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: Portions of two occurrences are ranked as good or excellent.

Environmental

Specificity: Not Evaluated

Comments: None

Short Term Trends: E = Decline of 30 - 50%

Comments: Several sites have been extirpated between 1990 and 2010.

Long Term Trends: D = Decline of 50 - 70%

Comments: None

Threat Impact: A = Very High

Comments: Suitable habitat continues to be converted to cranberry bogs, residential areas, road developments, and succession to scrub or forest. Showy plants are sometimes collected for gardens. Highly vulnerable to climate change.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: S1

Comments: 20 occurrences in Oregon using 1 km separation distance. Several populations have been extirpated between 1990 and 2010. Several threats including development of habitat to cranberry bogs and succession to scrub or forest. Plants may take several years to become reproductive or only flower under certain conditions. Highly vulnerable to climate change.

Rank Notes: None

Reference: US Fish and Wildlife Service. 1998. Recover plan for the endangered western lily (*Lilium occidentale*). Prepared by Guerrant, Schults, and Imper. USFWS Region 1, Portland, OR. US Fish and Wildlife Service. 2009. Western lily (*Lilium occidentale*) 5- year review: summary and evaluation. USFWS Arcata Field Office, Arcata, CA.

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