

Heritage Ranking Form - State Rank

Scientific Name: Fritillaria gentneri

Common Name: Gentner's Fritillaria

Classification: Vascular Plant

Range Extent: AD = <100-5000 sq km (< ~40-2000 sq miles)

Scattered localities in southwest Oregon along the Rogue and Illinois River drainages in Josephine and Jackson Counties, Oregon. 4715 sq km calculated by convex hull.

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

Comments: Plant counts in 2000s is about 1700.

Number of Occurrences: CD = 21 - 300

Comments: 85 extant occurrences using 1 km separation distance.

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

Comments: About 100 grid cells occupied with extant sites.

Good Viability: BC = Very few to few (1-12) occurrences with good viability

Comments: 5 occurrences ranked good or excellent.

Environmental Specificity: B = Narrow. Specialist or community with key requirements common

Comments: None

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

Comments: Oregon's populations are apparently disappearing due to fire suppression.

Long Term Trends: DE = Decline of 30 - 70%

Comments: None

Threat Impact: A = Very High

Comments: Horticultural collecting, grazing, herbivory, weeds, and logging are potential threats. Oregon's populations are threatened by fire suppression and conversion of habitat to agriculture and residential areas. The majority of their populations are small with fewer than 10 plants. Presumed stable to climate change.

Intrinsic Vulnerability: A = Highly vulnerable

Comments: Vulnerable due to overcollection and need for fire.

Heritage Rank: S1

Comments: Several sites are known in Oregon, but the majority have <10 plants and several have single plants only. A few sites have 100 or more plants. The total number of plants from surveys in the 2000s is about 1700. Reproduction is primarily asexual and dispersal is minimal. The species' habitat is disappearing as a result of fire suppression and development. Overcollection is a factor.

Rank Notes: None

Reference: US Fish and Wildlife Service, 2003. Recovery plan for *Fritillaria gentneri* (Gentner's fritillary). US Fish and Wildlife Region 1, Portland, OR. 89 pp.

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