

Heritage Ranking Form - Global Rank

Scientific Name: Botrychium pumicola

Common Name: Pumice grape-fern

Classification: Vascular Plant

Range Extent: E = 5,000-20,000 sq km (~2,000-8,000 sq mi)

Comments: 5920 sq mi. Oregon and California. Convex hull for Oregon Eos than manually added in California population.

Area of Occupancy: F = 126-500 4-km² grid cells

Comments: 167 grid cells, 166 in Oregon and 1 in California

Number of Occurrences: D = 81 - 300

Comments: 86 Eos in Oregon, 1 in California; 1 km sep. distance

Population Size: F = 10,000 - 100,000 individuals

Comments: 12677 in records; except for 3 plants, all others found in Oregon

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

Comments: 7 Eos with population numbers greater than 600.

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

Comments: Pumicy soils, frost pockets in lodgepole pine forest

Short Term Trends: U = Unknown

Comments: None

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

Comments: None

Threat Impact: BC = High - Medium

Comments: Many of the sighting reports note timber harvest activities although it is unknown how this species responds to those types of activities

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: G3

Comments: Most of the population is located in Oregon with one disjunct population in California. Plant numbers and occurrences are relatively good but little is known about how this species might respond to disturbance.

Rank Notes: Calculator Rank (unrevised)=G3G4. Numbers, both occurrences and plant numbers, are on the low end of the value range; threats not completely known or documented--erring on the side of the species

Reference: None

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