

Oregon Status Factors

Elcode PPOPH010K0
Gname BOTRYCHIUM MONTANUM
Gcomname mountain grapefern

Number of Occurrences

C = 21- 80

Comments There are 53 known occurrences.

Number of Occurrences with Good Viability

B = Very few (1-3) occurrences with good viability

Comments Oregon has 2 occurrences with 100+ plants, and 3 with 50+ plants.

Population Size

D = 1,000-2,500 individuals

Comments Current total plant numbers are between 1100-2000 plants.

Range Extent

F = 20,000-200,000 km² (about 8,000-80,000 square miles)

Comments This grapefern has been reported from 10 of the 26 Oregon counties. The majority of the occurrences are in Union, Grant and Wheeler Counties. Other counties include Wasco, Marion, Linn, Wallowa, Crook, Baker and Hood River.

Area of Occupancy

C = 4-20 km² (about 1,000-5,000 acres)

LC = 40-200 km (about 25-125 miles)

Comments Total occupied acreage is about 4500 acres.

Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

E = Relatively Stable ($\pm 25\%$ change)

Comments

Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

E = Stable. Population, range, area occupied, and/or number or condition of occurrences unchanged or remaining within $\pm 10\%$ fluctuation

Comments

Threats

B = Moderate and imminent threat. Threat is moderate to severe and imminent for a significant proportion (20-60%) of the population, occurrences, or area. Ecological community occurrences are directly impacted over a moderate area, either causing irreversible damage or requiring a long-term recovery.

Scope Moderate Severity Moderate Immediacy Moderate

Comments

Number of Appropriately Protected and Managed Occurrences

B = Few (1-3) occurrences appropriately protected and managed

Comments Two of the occurrences are in the Wilderness Areas, Badger Creek and Eagle Cap, although one of the occurrences has only one individual. Many other occurrences are located along streams and creeks and are protected by riparian buffers that limit management activities

Intrinsic Vulnerability

B = Moderately Vulnerable. Species exhibits moderate age of maturity, frequency of reproduction, and/or fecundity such that populations generally tend to recover from decreases in abundance over a period of several years (on the order of 5-20 years or 2-5 generations); or species has moderate dispersal capability such that extirpated populations generally become reestablished through natural recolonization (unaided by humans). Ecological community occurrences may be susceptible to changes in composition and structure but tend to recover through natural processes given reasonable time (10-100 years).

Comments

Environmental Specificity

B = Narrow. Specialist or community with key requirements common.

C = Moderate. Generalist or community with some key requirements scarce.

Comments This species grows in wet areas, riparian corridors and seeps in conifer forests.

Other Considerations

ORNHIC - List 2

Edition

Edauthor

Grank S2

Grank Date 11/15/2002

Reasons

Total Oregon occurrences is about 50, total numbers of acres occupied is 4500, total number of plants is less than 2000.

BCD Sources

New Sources

Oregon Natural Heritage Information Center. 2002. Oregon Natural Heritage Program data set. Oregon Natural Heritage Information Center, Portland, OR.