

California Status Factors

Elcode PPOPH010K0
Gname BOTRYCHIUM MONTANUM
Gcomname mountain grapefern

Number of Occurrences

A = 1 - 5

Comments Only 1 occurrence known from California.

Number of Occurrences with Good Viability

A = No (A- or B- ranked) occurrences with good viability

Comments The one known occurrence was reported to have 16 plants.

Population Size

A = 1-50 individuals

Comments The one known occurrence was reported to have 16 plants.

Range Extent

E = 5,000-20,000 km² (about 2,000-8,000 square miles)

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

Comments This species is only known from one site near the Butte and Tehama County border, where it is classified as a High Cascade Range Subregion of the California Floristic Province (Hickman 1993). Using this subregion as the possible range, then it would be about 6400 square miles. If the Sierra Nevadas are included, then the range would be about 30,000 square miles.

Area of Occupancy

A = <0.4 km² (less than about 100 acres)

LA = <4 km (less than about 2.5 miles)

Comments The one known population is composed of 16 plants.

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

U = Unknown. The available information is not sufficient to assign degree of threat as above. (Severity, scope, and immediacy are all unknown, or mostly [two of three] unknown or not assessed [null].)

Scope Unknown Severity Unknown Immediacy Unknown

Comments No threats noted for the one occurrence.

Number of Appropriately Protected and Managed Occurrences

A = None. No occurrences appropriately protected and managed

Comments No known protected occurrences.

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

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

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

Other Considerations

Edition

Edauthor

Grank S1

Grank Date 11/15/2002

Greasons

Only one occurrence known in California, with low total numbers (16 individuals).

BCD Sources

New Sources

Hickman, J.C., editor. 1993. The Jepson Manual: Higher Plants of California. University of California Press, Berkeley, CA.