

Washington Status Factors

Elcode NLTEST5420
Gname BRYORIA PSEUDOCAPILLARIS
Gcomname

Number of Occurrences

A = 1 - 5

Comments 1 occurrence (Glavich, unpublished).

Number of Occurrences with Good Viability

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

Comments

Population Size

A = 1-50 individuals

Comments

Range Extent

A = <100 km² (less than about 40 square miles)

Comments Deception pass; one site.

Area of Occupancy

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

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

Comments

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

U = Unknown. Long-term trend in population, range, area occupied, or number or condition of occurrences unknown

Comments Species described in 1977, so trends not known. Still working on range (Glavich, 2002 unpublished).

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

U = Unknown. Short-term trend in population, range, area occupied, and number and condition of occurrences unknown.

Comments

Threats

C = Substantial, non-imminent threat. Threat is moderate to severe but not imminent (> 10 years) for most of the population, occurrences, or area.

Scope High Severity High Immediacy Low

Comments Threats include recreation, climate change (global warming) and the severely fragmented distribution pattern (Thor 1996)

Number of Appropriately Protected and Managed Occurrences

A = None. No occurrences appropriately protected and managed

Comments The population is in a state park; not really protected.

Intrinsic Vulnerability

A = Highly Vulnerable. Species is slow to mature, reproduces infrequently, and/or has low fecundity such that populations are very slow (> 20 years or 5 generations) to recover from decreases in abundance; or species has low dispersal capability such that extirpated populations are unlikely to become reestablished through natural recolonization (unaided by humans). Ecological community occurrences are highly susceptible to changes in composition and structure that rarely if ever are reversed through natural processes even over substantial time periods (> 100 years).

Comments The habitat is along dunes that cover and kill the trees at a pretty good rate.

Environmental Specificity

A = Very Narrow. Specialist or community with key requirements scarce.

Comments Found exclusively on the branches of *Picea sitchensis*, either on exposed headlands or stabilized dunes. The minimum December temperature and the amount of precipitation from fog are important habitat factors. Hypermaritime, 2000-year old forests.

Other Considerations

Edition 2/20/2003 **Edauthor** Daphne Stone

Grank S1 **Grank Date** 11/30/2002

Reasons

Known from a single small population in Washington State. Appropriate habitat is minimal.

BCD Sources

New Sources

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habitat requirements of federally listed coastal lichens from northern California, Oregon and Washington, USA.
USDA-Forest Service