

Heritage Rank Status Factors

Elcode NLTEST8260
Gname HETERODERMIA SITCHENSIS
Gcomname

Number of Occurrences

B = 6 - 20
C = 21 - 80

Comments Known at time of description from only two localities in British Columbia, Canada. McCune & Geiser (1997) reported it from Alaska, and McHenry and Tonsberg (2002) reported it from Oregon. British Columbia CDC now ranks this species as S2S3 (2002), so presumably more populations have been found.

Number of Occurrences with Good Viability

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

Comments Three populations from one site in Oregon are viable, others unknown.

Population Size

C = 250-1,000 individuals
D = 1,000-2,500 individuals

Comments

Range Extent

B = 100-250 km² (about 40-100 square miles)
C = 250-1,000 km² (about 100-400 square miles)

Comments Currently known from only the very wettest portion of the coastal influence in northwestern North America (BC, AK, OR). Expected to occur in other similar areas of high rainfall and coastal fog zone of the Olympic Peninsula of Washington.

Area of Occupancy

U = Unknown

LU = Unknown

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

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

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

Number of Appropriately Protected and Managed Occurrences

U = Unknown whether any occurrences are appropriately protected and managed

Comments

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 Reproduces by soredia.

Environmental Specificity

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

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

Comments Very small area of occupancy.

Other Considerations

NRANK - N1N2. T. Goward (1989) indicates that this species is still considered unusual and rare. GRANK changed from G1 to G2G3, based on British Columbia SRANK of S2S3 during Nov. 2000 data exchange; EGR needs update. Described in 1984 by Goward.

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

Grank G2G3 **Grank Date** 11/30/2002

Greasons

British Columbia Conservation Data Center gives it an SRANK of S2S3. Global rank is therefore at least G2G3.

BCD Sources

New Sources

Goward t. 1984. *Heterodermia sitchensis* new from the Pacific Northwest. *Bryologist* 87(4): 366-368.
McCune, B. and L. Geiser. 1997. *Macrolichens of the Pacific Northwest*. Oregon State University Press, Corvallis, Oregon. A co-publication with the U.S. Department of Agriculture Forest Service. 386 pp.
McHenry, G. & T. Tonsberg. 2002. *Heterodermia sitchensis* found in Oregon, U.S.A. *Evansia* 19: 158-160.