

Oregon Status Factors

Elcode NLSM000009
Gname LEPTOGIUM TERETIUSCULUM
Gcomname

Number of Occurrences

B = 6 - 20

Comments About 10 occurrences.

Number of Occurrences with Good Viability

C = Few (4-12) occurrences with good viability

Comments

Population Size

A = 1-50 individuals

B = 50-250 individuals

Comments Difficult to tell what an "individual" is.

Range Extent

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

Comments A few locations in the OR Cascades, Eagle Cap Wilderness, Coast Range (Martin, personal communication). About 8 total locations.

Area of Occupancy

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

D = 20-100 km² (about 5,000-25,000 acres)

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

LD = 200-1,000 km (about 125-620 miles)

Comments

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

F = Increase (increase of >25%)

Comments very small lichen, difficult to find. Range and populations still being discovered. Increase in populations false, due to locating previously unknown populations.

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

F = Increasing. Increase of >10% in population, range, area occupied, and/or number or condition of occurrences

Comments See above.

Threats

H = Unthreatened. Threats if any, when considered in comparison with natural fluctuation and change, are minimal or very localized, not leading to significant loss or degradation of populations, occurrences, or area even over a few decades' time. (Severity, scope, and/or immediacy of threat considered Insignificant.)

Scope Insignificant Severity Insignificant Immediacy Insignificant

Comments Reported as on large, mature deciduous trees, so disturbance of large old single trees could be a threat. OR population grows on trees from 8" dbh and up. A bole species, so air pollution should not be a severe threat.

Number of Appropriately Protected and Managed Occurrences

C = Several (4-12) occurrences appropriately protected and managed

Comments 5 protected sites in OR. Matrix deciduous trees are often cut for thinning and fuel removal, so matrix is probably not well managed for preservation of this species.

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.

Comments Mixed conifer/ hardwood stands with hardwood basal area of 50-70%. Quercus forests and savannahs and Populus floodplains.(Martin et al. 2002). Mixed conifer/hardwood stands on hills in southern OR, often in oak savannahs.

Other Considerations

ORNHIC - List 3.

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

Grank S2? **Grank Date** 11/30/2002

Reasons

Only about 10, widely scattered populations are known in the state. However, the species is poorly known, inconspicuous, and probably severely undercollected. Threatened by thinning and fuel removal.

BCD Sources

New Sources

Martin E, McCune B, Hutchinson J. 2002. Distribution and morphological variation of *Leptogium cellulorum* and *L. teretiusculum* in the Pacific Northwest. *Bryologist* 105(3): 358-362.
Gustafsson L, Fiskesjo A, Ingelof T, Pettersson B, Thor G. 1992. Factors of importance to some lichen species of deciduous broad-leaved woods in south Sweden. *Lichenologist* 24(3): 255-266.

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.

Martin, E. 2002. Pers comm on *Leptogium teretiusculum*