Washington Status Factors

Elcode  NLLEC40360
Gname  COLLEMA NIGRESCENS
Gcomname

Number of Occurrences
B  = 6 - 20
Comments  6 occurrences.

Number of Occurrences with Good Viability
U  = Unknown what number of occurrences with good viability
Comments

Population Size
B  = 50-250 individuals
Comments

Range Extent
E  = 5,000-20,000 km² (about 2,000-8,000 square miles)
Comments  West of the Cascades. WA range is about 6,900 square miles.

Area of Occupancy
E  = 100-500 km² (about 25,000-125,000 acres)
LE  = 1,000-5,000 km (about 620-3,000 miles)
Comments  Estimated cover about 70 square miles.

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**

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.)

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<th>Scope</th>
<th>Severity</th>
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**Comments**

Cutting or other destruction of oak trees could damage populations quickly. This species lives on boles, so is not as exposed to pollution as twig species are. Collema furfuraceum, a closely related species, is sensitive to air pollution.

**Number of Appropriately Protected and Managed Occurrences**

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

**Comments**

Probably matrix is enough protection --- anywhere that oaks are allowed to age over 60 years. In WA there is 1 protected occurrence.

**Intrinsic Vulnerability**

C = Not Intrinsically Vulnerable. Species matures quickly, reproduces frequently, and/or has high fecundity such that populations recover quickly (< 5 years or 2 generations) from decreases in abundance; or species has high dispersal capability such that extirpated populations soon become reestablished through natural recolonization (unaided by humans). Ecological community occurrences are resilient or resistant to irreversible changes in composition and structure and quickly recover (within 10 years).

**Comments**

Reproduction is by spores and isidia; apothecia plentiful.

**Environmental Specificity**

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

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

**Comments**

Within the appropriate climate area, it is widespread in other states; WA environmental specificity unknown.

**Other Considerations**

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

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

**Greasons**

Known from only 6, widely separated populations in the state. The size of these populations is not known. Loss of one population would have a major impact on the species' conservation status within the state. Collema furfuraceum, a closely related species, is sensitive to air pollution, so this is a potential threat.

**BCD Sources**

**New Sources**
