Heritage Rank Status Factors

Elcode   NFSM000099
Gname   MACOWANITES LYMANENSIS
Gcomname

**Number of Occurrences**

A = 1 - 5
Comments Only known from one site.

**Number of Occurrences with Good Viability**

B = Very few (1-3) occurrences with good viability
Comments It has been found at the site more than one year.

**Population Size**

Comments

**Range Extent**

A = <100 km² (less than about 40 square miles)
Comments Only known from Glacier Peak Wilderness area.

**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

**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**

G = Slightly threatened. Threats, while recognizable, are of low severity, or affecting only a small portion of the population, occurrences, or area. Ecological community occurrences may be altered in minor parts of range or degree of alteration falls within the natural variation of the type.

<table>
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<tr>
<th>Scope</th>
<th>Low</th>
<th>Severity</th>
<th>Low</th>
<th>Immediacy</th>
<th>Low</th>
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**Comments** This is a mycorrizhal species; it is dependent on a host tree for its carbohydrates. Studies have shown that if the tree is killed the mycorrizhal fungi die shortly after. The one possibly saving feature of this species is the spore bank. However, nothing is known about the spore bank of this species.

**Number of Appropriately Protected and Managed Occurrences**

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

**Comments** Only site is in a Wilderness area.

**Intrinsic Vulnerability**

U = Unknown

**Comments**

**Environmental Specificity**

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

**Comments** Only known from one site.

**Other Considerations**

Nrank - N1N2

**Edition** 11/17/2002  
**Edauthor** Francisco J. Camacho

**Grank** G1G2  
**Grank Date** 11/17/2002

**Greasons**

Only known from one site in Washington. The type of habitat that this species occurs in is under-surveyed. It may be more common than we currently know.

**BCD Sources**

**New Sources**