Heritage Rank Status Factors

Elcode  NFSM000006
Gname   ALPOVA ALEXSMITHII
Gcomname

Number of Occurrences
B  = 6 - 20
Comments  No collections since 1986

Number of Occurrences with Good Viability
A  = No (A- or B- ranked) occurrences with good viability
B  = Very few (1-3) occurrences with good viability
Comments

Population Size
A  = 1-50 individuals
Comments

Range Extent
F  = 20,000-200,000 km² (about 8,000-80,000 square miles)
Comments  Extends along the upper Cascades from Lane Co. Oregon to Vancouver British Columbia, Canada.

Area of Occupancy
B  = 0.4-4 km² (about 100-1,000 acres)
LB  = 4-40 km (about 2.5-25 miles)
Comments  Only know from 7 collections

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**
B = Moderate and imminent threat. Threat is moderate to severe and imminent for a significant proportion (20-60%) of the population, occurrences, or area. Ecological community occurrences are directly impacted over a moderate area, either causing irreversible damage or requiring a long-term recovery.

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

**Intrinsic Vulnerability**
U = Unknown

**Environmental Specificity**
B = Narrow. Specialist or community with key requirements common.

**Other Considerations**
National Rank - N2

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

**Grank** G2  **Grank Date** 11/11/2002

**Greasons**
This species is endemic to the Pacific Northwest where it is only found in the Cascade Mountains from Lane County, Oregon to Vancouver, British Columbia. This fungus is only known from 7 sites and 7 collections from 1970 to 1986. It has been found a few times in Oregon where there is the highest concentration of truffle hunters. Possibly more common in Washington if better looked for. This is a rare fungus.

**BCD Sources**

**New Sources**