

Oregon Status Factors

Elcode NFSM000060
Gname ENDOGONE OREGONENSIS
Gcomname

Number of Occurrences

A = 1 - 5
B = 6 - 20

Comments Several collections are historic. Known from 8 sites.

Number of Occurrences with Good Viability

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

Comments

Population Size

A = 1-50 individuals

Comments

Range Extent

E = 5,000-20,000 km² (about 2,000-8,000 square miles)

Comments Endemic to west central Oregon.

Area of Occupancy

B = 0.4-4 km² (about 100-1,000 acres)

LB = 4-40 km (about 2.5-25 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

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.

Scope Moderate **Severity** Moderate **Immediacy** Moderate

Comments This is a mycorrhizal species; it is dependent on a host tree for its carbohydrates. Studies have shown that if the tree is killed the mycorrhizal 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

Comments Cascade Head is a site.

Intrinsic Vulnerability

U = Unknown

Comments

Environmental Specificity

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

Comments

Other Considerations

ORNHIC - List 3 (Review List). Without new collections or sites, this should be added to List 1.

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

Grank S2 **Grank Date** 11/11/2002

Reasons

Endemic to west central Oregon. This fungus is known from 8 sites in Oregon. However, it is very small, hypogeous and easily overlooked. All of these sites are within the areas that are well characterized for truffles. It is unclear how much further the range of this species extends.

BCD Sources

New Sources

Gerdemann, J.W., J.M. Trappe. 1974. The Endogonaceae in the Pacific Northwest. Mycol. Mem. 5:1-76.