

Heritage Rank Status Factors

Elcode NFSM000173
Gname RHIZOPOGON INQUINATUS

Gcomname

Number of Occurrences

A = 1 - 5

Comments 4 collections.

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

B = 100-250 km² (about 40-100 square miles)

Comments Only known from a small area of the central Oregon Cascades in the range of the spotted owl, but reported from Idaho.

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

E = Localized substantial threat. Threat is moderate to severe for a small but significant proportion of the population, occurrences, or area. Ecological community occurrences are directly impacted over a small area, or in a small portion of their range, but threats require a long-term recovery.

Scope Low

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

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

Comments

Intrinsic Vulnerability

U = Unknown

Comments

Environmental Specificity

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

Comments

Other Considerations

Nrank - N2N4

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Grank G2G4

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Reasons

Only known from a small area of the central Oregon Cascades in the range of the spotted owl, but reported from Idaho and may be found further east. Only known from a few sites and four collections. In Oregon it is only known from 2 sites. It occurs in the Willamette National Forest, an area that has been well characterized for truffles. If it has only been found here twice it is rare here. I'm not sure how common it is in Idaho.

BCD Sources

New Sources

Smith, A.H., S.M. Zeller. 1966. A preliminary account of the North American Species of Rhizopogon. Mem. New York Bot. Gard. 14:1-177