

Heritage Rank Status Factors

Elcode NFSM000068
Gname GASTROBOLETUS IMBELLUS
Gcomname

Number of Occurrences

A = 1 - 5

Comments Only known from the type locality in the late 60's. Looked for several times and not found. Probably still extant.

Number of Occurrences with Good Viability

A = No (A- or B- ranked) occurrences with good viability

Comments

Population Size

Comments Probably still extant but not seen since the 60's.

Range Extent

A = <100 km² (less than about 40 square miles)

Comments Only collected once in the Oregon Cascades.

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

B = Moderately Vulnerable. Species exhibits moderate age of maturity, frequency of reproduction, and/or fecundity such that populations generally tend to recover from decreases in abundance over a period of several years (on the order of 5-20 years or 2-5 generations); or species has moderate dispersal capability such that extirpated populations generally become reestablished through natural recolonization (unaided by humans). Ecological community occurrences may be susceptible to changes in composition and structure but tend to recover through natural processes given reasonable time (10-100 years).

Comments Vulnerability for this species unknown. But sister species (which maybe same species) appears to be moderately vulnerable.

Environmental Specificity

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

Comments These taxa are probably restricted to red fir forests.

Other Considerations

NRANK - NH. The correct genus for this species is *Suillus*. This is part of a complex of closely related species that needs to be better examined to verify if it is a valid species.

Edition 11/6/2002

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Grank GU

Grank Date 11/6/2002

Greasons

Hasn't been seen or collected since the 60's. This species has been looked for recently at the type locality and never found.

BCD Sources

New Sources

Thiers, H.D., J.M. Trappe. 1969. Studies in the genus *Gastroboletus*. *Brittonia* 21:249-251