

Heritage Rank Status Factors

Elcode NFSM000070
Gname GASTROBOLETUS SUBALPINUS
Gcomname

Number of Occurrences

C = 21 - 80
D = 81 - 300

Comments 22 known sites. Probably many more.

Number of Occurrences with Good Viability

D = Some (13-40) occurrences with good viability

Comments

Population Size

B = 50-250 individuals
C = 250-1,000 individuals

Comments

Range Extent

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

Comments Endemic to California and 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

D = Many (13-40) occurrences appropriately protected and managed

Comments

Intrinsic Vulnerability

U = Unknown

Comments

Environmental Specificity

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

Comments

Other Considerations

NRANK - N4. The genus name will be changed to Boletus.

Edition 11/12/2002 **Edauthor** Francisco J. Camacho

Grank G4 **Grank Date** 11/12/2002

Reasons

Endemic to California and Oregon. This is an easily found and identified species. With the new surveys for it, it has been found several times.

BCD Sources

New Sources

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