

# California Status Factors

**Elcode** NFSM000070  
**Gname** GASTROBOLETUS SUBALPINUS  
**Gcomname**

## Number of Occurrences

C = 21- 80

**Comments** At least 11 known sites.

## Number of Occurrences with Good Viability

C = Few (4-12) occurrences with good viability

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

**Comments**

## Population Size

A = 1-50 individuals

B = 50-250 individuals

**Comments**

## Range Extent

D = 1,000-5,000 km<sup>2</sup> (about 400-2,000 square miles)

**Comments** Found in the Northern Cascades and Siskiyou mountains of California. Possibly the Northern Sierra's.

## Area of Occupancy

B = 0.4-4 km<sup>2</sup> (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**

## Intrinsic Vulnerability

U = Unknown

**Comments**

## Environmental Specificity

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

**Comments**

## Other Considerations

The genus will change to Boletus.

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

**Grank** S3      **Grank Date** 11/12/2002

## Reasons

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