### Conservation Status Assessment

**Scientific Name:** *Boletus subalpinus*

**Classification:** Fungus

**Assessment area:** California

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<th>Heritage Rank:</th>
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#### Rank Reasons:
Around 33 known occurrences from California, just less than a third found in protected areas.

#### Range Extent:
F = 20,000-200,000 sq km (~8,000-80,000 sq mi)

Comments: Range of around 68,000 sq. km.

#### Population Size:
Not assessed

Comments: None

#### Number of Occurrences:
C = 21 - 80

Comments: Around 33 occurrences in California

#### Area of Occupancy:
E = 26-125 4-km² grid cells

Comments: Around 35 grid cells occupied.

#### Good Viability:
C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: Around 8 of the occurrences are in protected areas including Marble Mountain Wilderness, Mount Shasta Wilderness, Lassen Volcanic National Park, and Calaveres Big Trees State Park.

#### Environmental Sensitivity:
Not Evaluated

Comments: None

#### Short Term Trends:
Not Evaluated

Comments: None

#### Long Term Trends:
Not Evaluated

Comments: None

#### Threat Impact:
CD = Medium - Low

Comments:
Around 8 of 33 occurrences are in protected areas. If the unprotected occurrences were logged on a 40 year rotation, we might expect around 19% to be affected in 10 years and 75% in 100 years. Camacho said in 2002 assessment: "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 it the spore bank. However, nothing is known about the spore bank of this species."

### Intrinsic Vulnerability:

**Not Evaluated**

**Comments:** None

### Calculated Rank:

S3?

**Rank Author:** Caitlin Lawrence; Lindsey Wise

**Rank Reviewer:** Scot Loring

### References:


### Definitions and Resources:

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Suggested citation:


More assessments available at [http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation](http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation)

Element rank calculator resources at [http://www.natureserve.org/conservation-tools/conservation-rank-calculator](http://www.natureserve.org/conservation-tools/conservation-rank-calculator)

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