

Heritage Rank Status Factors

Elcode NFSM000016
Gname BOLETUS PULCHERRIMUS
Gcomname

Number of Occurrences

C = 21- 80

Comments Known from about 33 collections, representing about 7 sites.

Number of Occurrences with Good Viability

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

Comments Because this species has been found at the same site several times.

Population Size

B = 50-250 individuals

Comments

Range Extent

G = 200,000-2,500,000 km² (about 80,000-1,000,000 square miles)

Comments Endemic to the Pacific Northwest from Washington south to California.

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

B = Few (1-3) 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

National Rank - N2N3. Could be the same entity as *Boletus eastwoodiae* that is mostly associated with oak, but *B. pulcherrimus* is mostly associated with conifers and hence may be a different species. *Boletus eastwoodiae* was previously thought to have been misapplied to *B. satanus*, but the latter has been excluded from western North America.

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

Grank G2G3 **Grank Date** 11/11/2002

Reasons

Endemic to the Pacific Northwest from Washington south to California. Although there are 45 collections of this species there are only 7-11 known sites. This is a large mushroom. Not easily overlooked by mushroomers. However, it is not easy to identify. There are several look-a-likes.

BCD Sources

New Sources

Smith, A.H., H.D. Thiers. 1971. The Boletes of Michigan. University of Michigan Press, Ann Arbor. 428 p.
Thiers, H.D. 1975. California Mushrooms: a field guide to the Boletes. Hafner Press, London. 261 p.