

Conservation Status Assessment

Scientific Name: *Pholiota nubigena*

Classification: Fungus

Assessment area: California

Heritage Rank: **S3**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

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

Comments: There are sites in the Siskiyou, Cascade, and Sierra Nevada Mountains of California. There is a collection that has GPS coordinates placing it in the Coast Range of Mendocino County, however the location information simply says "Horse Camp" and the collector is listed as unknown. There is another collection from the same day made by W. B. Cooke that was from the horse camp near Mount Shasta. It is likely that both collections were from the Mount Shasta area and the California range is 47,204 sq. km. If the Mendocino county site is correct, the range would be 68,183 sq. km.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 31 known sites in California.

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

Comments: This species occupies around 41 grid squares in California.

Good Viability: D = Some (13-40) occurrences with excellent or good viability or ecological integrity

Comments: There are 13 known sites in National Parks or Wilderness Areas.

Environmental Sensitivity: B = Narrow. Specialist or community with key requirements common

Comments: A saprotroph of conifer (primarily *Abies* spp. But some collections report *Tsuga mertensiana* or *Pinus contorta*) wood in high elevation forests.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Around 60% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation, around 15% of sites would be impacted over 10 years and around 60 % would be impacted over 100 years. As a denizen of high elevation forests this species could be impacted by climate change.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

Rank Author: Michael Russell

Rank Reviewer: Matt Trappe

References:

Redhead. 2014. Index Fungorum 148:1.

Definitions and Resources:

Rank Prefixes	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
Rank Values	
1	Critically imperiled
2	Imperiled
3	Vulnerable
4	Apparently secure, uncommon but not rare
5	Secure, common, abundant, and widespread

Suggested citation:

Oregon Biodiversity Information Center. 2017. Fungi Conservation Status Assessments. Institute for Natural Resources, Portland State University and Oregon State University. Portland, Oregon and Corvallis, Oregon.

More assessments available at <http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation>

Element rank calculator resources at <http://www.natureserve.org/conservation-tools/conservation-rank-calculator>

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