

Conservation Status Assessment

Scientific Name: *Pholiota nubigena*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G4**

Rank Date: 12/9/2016

Assigned Rank Comments: None.

Range Extent: G = 200,000-2,500,000 sq km (~80,000-1,000,000 sq mi)

Comments: There are occurrences of this species in the Cascade Range from Southern Washington to California, in the Sierra Nevada Range, and the Siskiyou. There is also a single collection from the California Coast Range in Mendocino County that has limited location information. There are several collections from west central Idaho. Finally there is a collection with the location information as Beartooth Lake in Davis County, Montana. There is no Davis County, Montana and Beartooth Lake is over the border in Wyoming. There are other collections in the Mycoportal.org database from around the same day by the same collector from Park County, Wyoming so it is likely from Beartooth Lake, WY. If all of the sites are included, the range is 642,946 sq. km. If the Montana site is excluded the range would be 419,756 sq. km.

Population Size: Not assessed

Comments: None

Number of Occurrences: D = 81 - 300

Comments: There are about 97 known occurrences of this species.

Area of Occupancy: F = 126-500 4-km² grid cells

Comments: This species occupies around 164 grid squares across its range.

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

Comments: About 30 sites are 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:

Approximately 70% of sites are not in permanently protected areas. If those sites were logged on a 40 year rotation, around 18% of all sites would be impacted over 10 years and around 70% of sites 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: G4

Rank Author: Michael Russell

Rank Reviewer: Michael Russell

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>

Oregon Biodiversity Information Center, Institute for Natural Resources

Oregon State University and Portland State University

Mail Stop: INR, P.O. Box 751

Portland, OR 97207-0751

(503)-725-9950

<http://inr.oregonstate.edu/orbic>

<http://inr.oregonstate.edu/>