

Conservation Status Assessment

Scientific Name: *Pholiota nubigena*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S3**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

Range Extent: E = 5,000-20,000 sq km (~2,000-8,000 sq mi)

Comments: The Oregon Range is 18,287 sq. km. Sites are found in the Cascade range from Deschutes to Klamath County as well in the Siskiyou Mountains.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are about 56 known occurrences in Oregon.

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

Comments: This species occupies about 107 grid squares in Oregon.

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

Comments: 20 occurrences are entirely or partly in a National Park or Wilderness Area.

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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