

Conservation Status Assessment

Scientific Name: *Hygrophorus caeruleus*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S2S3**

Rank Date: 11/28/2016

Assigned Rank Comments: None.

Rank Adjustment Notes: This species was rated as an S2 without the threat impact score and an S3 with the threat impact score.

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

Comments: The species range in Oregon is 39,505 square km and includes sites along the east side of the cascade crest from Mount hood to Klamath county and one site in the east Siskiyou mountains. The Holotype is from west central Idaho so there may be additional sites in the blue mountains of northeast Oregon

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 28 occurrences in Oregon

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

Comments: There are around 45 occupied grid squares in Oregon

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: There are 2 sites within wilderness areas and a third that is partially in a wilderness area.

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

Comments: Mycorrhizal on high elevation conifers.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Only about 10% of the sites are in permanently protected areas. If the other sites are logged on a 40 year rotation, about 22% of sites would be impacted over 10 years and around 90% over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

Rank Author: Michael Russell

Rank Reviewer: Michael Russell

References:

No additional references listed.

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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