Conservation Status Assessment

Scientific Name: ***Phaeocollybia scatesiae***
Classification: Fungus
Assessment area: Oregon

Heritage Rank: **S3**
Rank Date: 3/9/2017

Rank Reasons: With over 31 known sites in the state, the 2017 assigned ranking is appropriate.

Range Extent:

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

Comments: The Oregon Range is 32,389 sq. km. There are sites in the Coast, west Cascade, and Siskiyou Mountains.

Population Size:

Not assessed

Comments: None

Number of Occurrences:

C = 21 - 80

Comments: There are 41 known sites in Oregon.

Area of Occupancy:

E = 26-125 4-km2 grid cells

Comments: This species occupies about 53 grid squares in Oregon.

Good Viability:

C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: 6 occurrences are in Oregon State Parks, Wilderness Areas, or the Columbia River gorge National Scenic Area.

Environmental Sensitivity:

A = Very narrow. Specialist or community with key requirements scarce

Comments: P scatesiae is a mycorrhizal fungus that occurs in well-decomposed wood or woody humus in densely canopied coniferous forests from where it sends long rhizomorph-like strands that appear to connect it to its symbiotic partner. It is most frequently (but not exclusively) associated with Picea sitchensis, Abies, and/or (possibly) Vaccinium species. Its precise biological and ecological requirements still remain unknown. (Norvell. 1998a. The biology and taxonomy of Pacific Northwest species of Phaeocollybia Heim. 391 pp. ALSO Norvell. 1998b. . Observations on the development, morphology, and biology of Phaeocollybia. Mycological Research 102:615-630.).

Short Term Trends:

Not Evaluated

Comments: None

Long Term Trends:

Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:
About 86% of sites are not in protected areas. If those sites are logged on a 40 year rotation, around 22% of sites would be impacted over 10 years, and around 86% would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

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Rank Reviewer: Lorelei Norvell

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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