

Conservation Status Assessment

Scientific Name: *Phaeocollybia scatesiae*

Classification: Fungus

Assessment area: Washington

Heritage Rank: **S2?**

Rank Date: 5/22/2018

Assigned Rank Comments: None.

Rank Adjustment Notes: With only a few known sites in the state, the 2017 assigned ranking may be slightly low.

Range Extent: D = 1,000-5,000 sq km (~400-2,000 sq mi)

Comments: The Washington range is 2,779 sq. km. There are sites in the Olympic Mountains of Jefferson, Grays Harbor, and Mason Counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are 6 known occurrences in Washington.

Area of Occupancy: D = 6-25 4-km² grid cells

Comments: This species occupies 7 grid squares in Washington.

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

Comments: One occurrence is in Olympic National Park

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:
5 of 6 occurrences may be vulnerable to logging

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

Rank Author: Michael Russell
Rank Reviewer: Lorelei Norvell; Lindsey Wise

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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