

Conservation Status Assessment

Scientific Name: *Phaeocollybia scatesiae*

Classification: Fungus

Assessment area: California

Heritage Rank: **S1**

Rank Date: 3/9/2017

Rank Reasons: With few sites (one no longer extant) in the state, the 2017 assigned ranking seems appropriate

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

Comments: The California range is 2,218 sq. km. It includes sites near the coast in Del Norte, Humboldt, and Mendocino County.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are 4 known Occurrences in California.

Area of Occupancy: C = 3-5 4-km² grid cells

Comments: This species occupies 4 grid squares in California.

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

Comments: One site is in Van Damme State 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: B = High

Comments:
75% of sites are vulnerable to logging.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S1

Rank Author: Michael Russell

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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