

Conservation Status Assessment

Scientific Name: *Phaeocollybia scatesiae*

Classification: Fungus

Assessment area: California

Heritage Rank: **S2**

Rank Date: 12/10/2018

Rank Reasons: "With few sites (one no longer extant) in the state, the 2017 assigned ranking seems appropriate" - LN. One more site in the updated forest service data did not change the rank.

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

Comments: The California range is about 10,000 sq. km. It includes sites near the coast in Del Norte, Humboldt, and Mendocino County and in a single site in the mountains of Trinity County.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are 5 known Occurrences in California.

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

Comments: This species occupies 5 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: C = Medium

Comments:

80% of sites are vulnerable to logging if they are not protected by the US Forest Service. If sites are not protected the threat would be high, if they are protected the threat would be medium. A high threat impact score equates to a rank of S1, a medium score equates to a rank of S2.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

Rank Author: Michael Russell

Rank Reviewer: Lorelei Norvell, 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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