

Conservation Status Assessment

Scientific Name: *Phaeocollybia spadicea*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S3S4**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

Rank Adjustment Notes: For *Phaeocollybia*, the species is stable and not uncommon in Oregon. The 2017 ranking could be lowered. Type of *P. tibiikauffmanii* from Polk County Chronosequence study (Norvell & Exeter 2004). (Norvell, Lorelei L.; Exeter, Ronald L. 2004. Ectomycorrhizal epigeous basidiomycete diversity in Oregon's coastal montane *Pseudotsuga menziesii* forests – preliminary observations. IN *Fungi in Forest Ecosystems: Diversity, Ecology, and Systematics*, Cathy Cripps (ed.). *Memoirs of the New York Botanical Garden* 89: 159-189.)

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

Comments: The Oregon Range is 35,410 sq., km. There are sites in the Coast Range, the west side of the Siskiyou Mountains, and the western foot hills of the Cascade Range in Linn and Lane counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 70 known occurrences in Oregon.

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

Comments: This species occupies about 97 grid squares in Oregon.

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

Comments: 5 Occurrences are in Oregon State Parks.

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

Comments: *P. spadicea* is restricted to very moist mesic late successional and old growth coniferous forests. It is associated with coastal or low-lying closed-canopy stands containing *Tsuga heterophylla*, *Picea sitchensis*, *Pseudotsuga menziesii*) and rarely in mixed deciduous/coniferous (*Pinus*, *Pseudotsuga*, *Lithocarpus*, *Quercus*) forests, (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:

Approximately 90% of the known sites are not in a protected area. If those sites are logged on a 40 year rotation, about 22% of the sites would be impacted over 10 years, and about 90% would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

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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