

Conservation Status Assessment

Scientific Name: *Phaeocollybia gregaria*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G1G2Q**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

Rank Adjustment Notes: Oregon endemic, generally confined to the coast range within 40 or so miles of the type locality in Lincoln & Tillamook counties. RPB2 & ITS sequence analyses of 17 PHGR collection supports species very closely aligned with the olivacea complex. Matt Gordon has identified a DNA barcode that appears to deliver a reliable signal. A total of 44 collections have been identified from 10 sites in Oregon from 1970–2014. See Norvell & Exeter (2008: 85–90) for full treatment and references and Norvell & al. (2010) for partial molecular data. Multigene sequence analyses by Matheny & al. (2006) support *Phaeocollybia* in the Hymenogastraceae (not Cortinariaceae).

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

Comments: The range is 70,651 sq. km. Most sites are in the Oregon Coast range in Tillamook, Polk, Lincoln, and Benton counties with additional sites in the West Cascades in Linn and Clackamas Counties. There is one site on the Olympic Coast in Jefferson County, Washington. There is also a site in the California Coast Range in Humboldt County.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are 10 known occurrences.

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

Comments: This species occupies 15 grid squares.

Good Viability: A = No occurrences with excellent or good (A or B) viability or ecological integrity

Comments: None of the known sites are mapped within a permanently protected area.

Environmental Sensitivity: AB = Very narrow to narrow

Comments: A mycorrhizal species typically found in late seral *Tsuga heterophylla* and *Picea sitchensis* forests.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

None of the sites are in permanently protected areas. If the sites are logged on a 40 year rotation, around 25% of the sites would be impacted over 10 years and 100% over 100 Years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G2

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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