

Conservation Status Assessment

Scientific Name: *Phaeocollybia fallax*

Classification: Fungus

Assessment area: California

Heritage Rank: **S2S3**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

Rank Adjustment Notes: There are relatively few known sites. The ranking of S2 or S3 depends on the threat impact score of high or medium respectively (no score would be S2). There are relatively few occurrences in Washington overall. Due to the uncertainty in predicting potential threats like wildfire or climate change I gave this an S2S3 ranking. L. Norvell says With >62 known sites distributed more or less evenly on the western Cascade slope and coastal regions, assigned ranking for Oregon seems appropriate to slightly high. See global notes for additional info. Cited from Polk & Benton Counties in Norvell & Exeter (2004). With 14 known sites distributed from Santa Cruz north to Del Norte counties, assigned ranking for California seems appropriate. See global notes for additional info."

Range Extent: E = 5,000-20,000 sq km (~2,000-8,000 sq mi)

Comments: The California range is 19,707 sq. km. There are sites in the Coastal Mountains of Del Norte, Humboldt, Trinity and Mendocino counties. There are also sites near the coast in Sonoma and Marin Counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 20 sites documented with precise location coordinates in the agency or herbarium databases. There are 2 additional sites documented as herbarium collections with less precise location information.

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

Comments: This species occupies about 29 grid squares in California.

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

Comments: Nine occurrences are in State or National Parks.

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

Comments: A mycorrhizal species mostly found in late seral conifer forest.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Approximately 50% of the sites are not in permanently protected areas. If those sites are logged on a 40 year rotation, around 13% would be impacted over 10 years and about 50% would be impacted over 100 years. Several sites in California are apparently not on public land and may be threatened by residential development.

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>

Oregon Biodiversity Information Center, Institute for Natural Resources
Oregon State University and Portland State University
Mail Stop: INR, P.O. Box 751
Portland, OR 97207-0751 <http://inr.oregonstate.edu/orbic>
(503)-725-9950 <http://inr.oregonstate.edu/>