

Conservation Status Assessment

Scientific Name: *Phaeocollybia californica*

Classification: Fungus

Assessment area: California

Heritage Rank: **S3**

Rank Date: 12/10/2018

Assigned Rank Comments: None.

Rank Adjustment Notes: As long as the habitats remain undisturbed, the species should be stable. See global notes.

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

Comments: There are sites in the Coastal and Siskiyou Mountains of Del Norte, Humboldt, Mendocino, Siskiyou, and Trinity Counties. California range is about 25,000 sq km.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are about 22 known occurrences in California.

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

Comments: This species occupies about 25 grid squares in California. Adding another grid square would move the score on this factor up to the next class, but it would not change the rank.

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

Comments: Only 2 sites are in State or National Parks.

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

Comments: A mycorrhizal species found in forests with Quercus or Lithocarpus spp.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

More than 90% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation, around 22% of sites would be impacted over 10 years, and around 90% would be impacted over 100 years. That would result in an S2 rank. If the known sites of this species are protected, there would be a medium threat impact and the rank would be S3.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

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Rank Reviewer: 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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