

Conservation Status Assessment

Scientific Name: *Phaeocollybia californica*

Classification: Fungus

Assessment area: California

Heritage Rank: **S3?**

Rank Date: 3/9/2017

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 Mountains on Del Norte, Humboldt, and Mendocino County. California range including only those sites is at least 11,190 sq. km. In the 2002 ranking L. Norvell mentions a site in Castle Crags State park, which would increase the range to about 30,000 sq. km.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are about 12 known occurrences in California.

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

Comments: This species occupies about 12 grid squares in California.

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: B = High

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.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

Rank Author: Michael Russell

Rank Reviewer: Lorelei Norvell; Lindsey Wise

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

(503)-725-9950

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