

## Conservation Status Assessment

**Scientific Name:** *Phaeocollybia californica*

**Classification:** Fungus

**Assessment area:** Oregon

**Heritage Rank:** **S2?**

**Rank Date:** 5/18/2018

Assigned Rank Comments: None.

Rank Adjustment Notes: Recent discoveries of *P. californica* on Mary's Peak (in habitat now destroyed) and near Coos Bay (habitat preserved) may change ranking. See global notes.

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

Comments: The Oregon Range is 40,911 sq. km. Sites are on the east side of the Coast Range, the west side of the Cascades, and the Siskiyou Mountains. There are a few sites in the agency databases from Tillamook county that are likely *P. scatiseae*, a species that was separated out from *P. californica*. Adding the Tillamook collections would increase the range to about 48,000 sq. km.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** C = 21 - 80

Comments: There are about 72 known occurrences in Oregon.

**Area of Occupancy:** E = 26-125 4-km<sup>2</sup> grid cells

Comments: This species occupies about 92 grid squares in Oregon.

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

Comments: There is one occurrences in a wilderness area.

**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:

Only one site is in a permanently protected area. If the other sites are logged on a 40 year rotation, around 25% of sites would be impacted over 10 years, and around 98% would be impacted over 100 years. This species is mycorrhizal on oaks and tan oaks. Those species are vulnerable to the invasive parasite, *Phytophthora ramorum*.

**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>

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