

## Conservation Status Assessment

**Scientific Name:** *Phaeocollybia olivacea*

**Classification:** Fungus

**Assessment area:** Oregon

**Heritage Rank:** **S2S3**

**Rank Date:** 3/9/2017

Assigned Rank Comments: None.

Rank Adjustment Notes: With a threat impact score of high the ranking is S2. Based on my conservative estimate of how soon sites would be logged without protection (25% in 10 years) the threat impact score is medium and the ranking is S3. If 30% of the sites are logged in 10 years the Threat Impact score would be high and the ranking would be S2. I gave this species a rank of S2 because considering the known sites are mature forest and forest management would include recently harvested stands that cannot be logged before the trees grow back, it is very possible that without any protection more that 30% of the sites would be selected for harvest over 10 years. L. Norvell says "PHOL has been confirmed from over 52 sites in Oregon; and the complex does not appear threatened. Most recent occurrences have been from coniferous habitats, so do not know whether the Quercus-Pinus taxon is at risk. I would accept S2 for that group, and S3 for the coniferous associates. They are abundant where found."

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

Comments: The Oregon Range is 41,102 sq. km. There are sites in the Coast, West Cascade, and Siskiyou Mountains.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** D = 81 - 300

Comments: There are 97 known occurrences in Oregon.

**Area of Occupancy:** F = 126-500 4-km<sup>2</sup> grid cells

Comments: This species occupies around 145 grid squares in Oregon.

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

Comments: None of the sites are in permanently protected areas.

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

Comments: A mycorrhizal species of low elevation forests with conifers and Fagaceae trees.

**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% of the sites would be impacted over 100 years.

**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:**

<b>Rank Prefixes</b>	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
<b>Rank Values</b>	
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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