

## Conservation Status Assessment

**Scientific Name:** *Tylopilus porphyrosporus*

**Classification:** Fungus

**Assessment area:** Washington

**Heritage Rank:** **S3**

**Rank Date:** 1/18/2017

Rank Reasons: With the same range and threat impact score, to increase the calculated rank to S4, there would need to be 38 more occurrences in permanently protected areas, or 85 additional grid squares occupied by 44 additional occurrences.

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

Comments: The Washington range is 57, 834. There are sites on the Olympic peninsula from Clallam to Grays Harbor Counties, in the San Juan Islands and the Puget trough from Island to Pierce Counties, and in the west Cascades from Whatcom to Skamania Counties.

**Population Size:** Not assessed

Comments: None

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

Comments: There are 37 known occurrences of this species in Washington.

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

Comments: This species occupies 41 grid squares in Washington.

**Good Viability:** D = Some (13-40) occurrences with excellent or good viability or ecological integrity

Comments: 13 occurrences are in national or state parks.

**Environmental Sensitivity:** C = Moderate. Generalist or community with some key requirements scarce

Comments: A mycorrhizal species.

**Short Term Trends:** Not Evaluated

Comments: None

**Long Term Trends:** Not Evaluated

Comments: None

**Threat Impact:** C = Medium

**Comments:**

The Point Roberts site may be threatened by residential development. Approximately 65% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation, about 16% of sites would be impacted over 10 years and around 65% of sites would be impacted over 100 years.

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

**Calculated Rank:** S3

**Rank Author:** Michael Russell

**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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