

Conservation Status Assessment

Scientific Name: *Tylopilus porphyrosporus*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G4**

Rank Date: 1/18/2017

Assigned Rank Comments: None.

Range Extent: H = >2,500,000 sq km (> 1,000,000 sq mi)

Comments: The range of this species in more than 14 million sq. km. There are sites in Switzerland, Germany, Austria, Slovakia, the Czech Republic, Italy, Belarus, China, Japan and Mexico. In eastern North America, there are sites in Nova Scotia, Quebec, Maine, New Hampshire, Vermont, Massachusetts, New York, Connecticut, Pennsylvania, West Virginia, Virginia, North Carolina, Georgia, Florida, Louisiana, Mississippi, Illinois, Michigan, Wisconsin, Minnesota, Ontario, and Iowa. In the Rockies there are sites in Idaho and Montana. In the Pacific west there are sites in British Columbia, western Washington, western Oregon, and along the California coast south to Marin County.

Population Size: Not assessed

Comments: None

Number of Occurrences: D = 81 - 300

Comments: There are 203 known occurrences of this species across its range

Area of Occupancy: F = 126-500 4-km² grid cells

Comments: This species occupies about 226 grid squares across its range.

Good Viability: E = Many (41-125) occurrences with excellent or good viability or ecological integrity

Comments: 46 occurrences are in national, state, provincial, or regional parks, the Huron Mountain Club land, or other private preserves.

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:

Around 25 of the 203 occurrences are apparently not on public land or otherwise have location information that suggests they may be threatened by residential or commercial development. Approximately 77% of the sites are not in permanently protected areas. If those sites are logged on a 40 year interval, around 19% of sites would be impacted over 10 years and around 77% would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G4

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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