

Conservation Status Assessment

Scientific Name: *Mycena quiniaultensis*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S1S2**

Rank Date: 5/18/2018

Assigned Rank Comments: None.

Rank Adjustment Notes: Without a threat impact score the ranking would be a S1. Adding the medium threat score makes the ranking an S2. The threat calculator ranked the score based on the estimate that 25% of the sites may be logged over 10 years of a 40 year harvest rotation. There is uncertainty in when unprotected sites may be impacted by logging so I think it is unwarranted to raise the ranking to G2 based on the assumption that the timber harvest of the unprotected sites would be evenly distributed over a 40 year rotation.

Range Extent: E = 5,000-20,000 sq km (~2,000-8,000 sq mi)

Comments: The Oregon range is 5,733 sq. km. It includes sites in the McKenzie river valley of eastern Lane County, and another site near Grants Pass.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are 5 known occurrences in Oregon

Area of Occupancy: C = 3-5 4-km² grid cells

Comments: This species occupies 5 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 protected areas.

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

Comments: A decomposer of litter and wood in coniferous forests.

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 protected areas. If the sites are managed for timber on a 40 year rotation, around 25% of the sites could be impacted over 10 years and 100% of the sites could be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

Rank Author: Michael Russell

Rank Reviewer: Michael Russell; Lindsey Wise

References:

Smith, A.H. 1935. Studies in genus *Mycena* - II. *Mycologia*. 27:586-604.

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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