

Conservation Status Assessment

Scientific Name: *Russula mustelina*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G3**

Rank Date: 1/11/2017

Rank Reasons: For the calculated rank to be G4 with the same range and threat impact score, there would need to be an additional 36 known occurrences with 9 in permanently protected areas.

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

Comments: The range is more than 2.5 million sq.km. There are sites in Europe including England, France, Germany, Austria, Lithuania, Czech Republic, and Italy. There is also a record from Nanking, China. In Eastern North America there are sites in Maine, Vermont, New York, Quebec, The District of Columbia (collected in 1940), and Missouri. In the west there are sites in Alaska, southern British Columbia, Central Idaho, the Washington Cascades, The coast and Cascades ranges of Oregon, and in California in the Sierra Nevada mountains and near Mount Shasta.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 46 known occurrences of this species across its range.

Area of Occupancy: E = 26-125 4-km² grid cells

Comments: This species occupies 46 grid squares across its range.

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: 4 occurrences are in National or provincial parks or a preserve.

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

Comments: A mycorrhizal species.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Around 10 site locations are clearly on public land. Many of the others may be threatened by residential development. Approximately 93% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation, around 24% would be impacted over 10 years and around 93% would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G3

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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