

Conservation Status Assessment

Scientific Name: *Russula mustelina*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S1S2**

Rank Date: 1/11/2017

Assigned Rank Comments: None.

Rank Adjustment Notes: The ranking depends on the threat impact score. A score of high results in a rank of S1 while a score of medium results in a rank of S2. Due to the uncertainty of predicting the impacts of threats I gave this variety a rank of S1S2.

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

Comments: The Oregon Range is 16,037 sq. km. There are three records from Oregon. One is in the Cascades of Clackamas County (collected 1998), one is from Coos County (collected 1985), and the last is from the cascades of Deschutes County with no date. The Deschutes county specimen is identified as *R. mustilina* C.F. and there is a note that it may be a different, undescribed species. In the 2002 ranking, L. Norvell said no collections have been reported from Oregon. It is unclear if she was aware of the Coos or Clackamas County collections and she didn't think they were correctly identified or she was unaware of those collections. She does state that *Russulas* can be hard to distinguish and surveyors may pass over this species, assuming it is one of the common *Russulas*.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are 3 known occurrences in Oregon.

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

Comments: This species occupies 3 grid squares in Oregon.

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: No occurrences are in permanently protected areas.

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:
All of the sites may be threatened by timber harvest.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

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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