

Conservation Status Assessment

Scientific Name: *Russula idahoensis*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S1**

Rank Date: 11/30/2016

Rank Reasons: Synonyms include *Martellia idahoensis*; *Cystangium idahoensis*.

Range Extent: A = <100 sq km (< ~40 sq mi)

Comments: There is only one or two known sites of this species in Oregon. Both within 10 km in the McKenzie river area of the Cascades. In the 2002 rating, F. Camacho says there is a site on Mary's peak in Benton County Oregon, but I was not able to identify that record.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are between 1 and 3 occurrences in Oregon. Two sites are close together but imprecision in the location information means they may be one or two occurrences. There may be a third occurrence based on the 2002 ranking by F. Camacho, but I was unable to identify the third record.

Area of Occupancy: B = 2 4-km² grid cells

Comments: The two known sites in Oregon are close together, but one does not have precise location information. Based on the description it seems they occupy two grid squares but I cannot be certain. There may be a third record from Benton county, but I was unable to locate that record.

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

Comments: One of the collections may be in the three sisters wilderness area.

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

Comments: A mycorrhizal species from high elevation *Abies* spp. Forest.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Only one of the sites may be in a wilderness area, the other may be vulnerable to timber harvest.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S1

Rank Author: Michael Russell

Rank Reviewer: Michael Russell

References:

Elliott, TF; Trappe, JM. 2018. A worldwide nomenclature revision of sequestrate Russula species. Fungal Systematics and Evolution. 1:229-242

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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