

Conservation Status Assessment

Scientific Name: *Russula idahoensis*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G2**

Rank Date: 11/30/2016

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

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

Comments: The global range is 8,650 sq. km. It includes 4 sites in Valley County Idaho and one or two sites in the McKenzie drainage in the Oregon Cascades.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are 5 or 6 occurrences of this species. The two records from Oregon are likely to be two separate Occurrences, but the location information is not precise to know for certain.

Area of Occupancy: CD = 3-25 4-km² grid cells

Comments: The species occupies 5 or 6 grid squares. There are 4 grid squares occupied in Idaho. There are apparently two observations of the species in western Oregon. One is a herbarium specimen that has the Olallie Trail on the East Fork McKenzie River. The other is mapped about 4 km north of the Olallie trail. There is not enough information to determine if they occupy 2 or 1 grid square, so the species may occupy 6 grid squares.

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

Comments: The Herbarium collection from Oregon seems to 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 6 occurrences are in Wilderness areas. If those 6 are logged on a 40 year rotation around 21% of the sites would be impacted over 10 years and 84% would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G2

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>

Oregon Biodiversity Information Center, Institute for Natural Resources
Oregon State University and Portland State University

Mail Stop: INR, P.O. Box 751

Portland, OR 97207-0751

(503)-725-9950

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