

Conservation Status Assessment

Scientific Name: *Russula subabietis*

Classification: Fungus

Assessment area: Washington

Heritage Rank: **S1S3**

Rank Date: 3/1/2018

Rank Reasons: Only one documented site, but lots of potential habitat that likely harbor more occurrences.

Range Extent: AC = <100-1000 sq km (< ~40-400 sq miles)

Comments: Known sites occur in Kanisku national forest in Just across border in Idaho panhandle. If there is a site on Washington side of border the range would increase to at least class B. The global range extends down cascades crest so there may be other sites in Washington Cascades.

Population Size: Not assessed

Comments: None

Number of Occurrences: AB = 1 - 20

Comments: Only one known site. There is a lot of potential habitat in Washington that may harbor undiscovered sites.

Area of Occupancy: AD = 1-25 4-km² grid cells

Comments: Only one known site. There is a lot of potential habitat in Washington that may harbor undiscovered sites.

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

Comments: None

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

Comments: Mycorrhizal on high elevation Abies spp.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: CD = Medium - Low

Comments:

If threats are similar as for other mycorrhizal species in PNW forests, likely low to medium threat.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S1S3

Rank Author: Michael Russell; Lindsey Wise

Rank Reviewer: Matt Trappe; Lindsey Wise

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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