

Conservation Status Assessment

Scientific Name: *Russula subabietis*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G3G4**

Rank Date: 3/1/2018

Rank Reasons: Camacho (2002): Well-distributed and frequently collected in Oregon and California.

Range Extent: G = 200,000-2,500,000 sq km (~80,000-1,000,000 sq mi)

Comments: Range extends from Chelan County, WA and Bonner County Idaho in the north, to Josephine County, OR and Siskiyou County, OR in the west, and The southern Sierras in the south

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: About 16 sites from biotics, NRIS, and GeoBob. Around 50 additional sites based on collections in Mycoportal.

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

Comments: About 16 sites from Biotics, NRIS, and GeoBob. Around 50 additional sites based on collections in Mycoportal.

Good Viability: D = Some (13-40) occurrences with excellent or good viability or ecological integrity

Comments: Most sites on National Forests. Several sites in wilderness areas, National Parks, or other protected areas

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: U = Unknown

Comments: None

Calculated Rank: G3G4

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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