

Conservation Status Assessment

Scientific Name: *Russula subabietis*

Classification: Fungus

Assessment area: California

Heritage Rank: **S3S4**

Rank Date: 3/1/2018

Rank Reasons: Several sites in a large range; likely additional sites that have not been documented.

Range Extent: F = 20,000-200,000 sq km (~8,000-80,000 sq mi)

Comments: Known sites span the Sierras and include Siskiyou mountains. There may be undiscovered sites in Cascades, but that would not change this range score.

Population Size: Not assessed

Comments: None

Number of Occurrences: BC = 6 - 80

Comments: 2 sites from Gobo. About 18 sites from Mycoportal herbarium record. Probably additional undocumented sites.

Area of Occupancy: D = 6-25 4-km² grid cells

Comments: 2 sites from Gobo. About 18 sites from Mycoportal herbarium records

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

Comments: Several sites in national parks and wilderness 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: Not Evaluated

Comments: None

Calculated Rank: S3S4

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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