

Conservation Status Assessment

Scientific Name: *Ramaria coulterae*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G3**

Rank Date: 4/22/2017

Rank Reasons: The ranking is a borderline G3 based on the known sites, however much of the species range is outside the range of the Northern Spotted Owl and therefore would not have been surveyed for mushrooms. The species is also very cryptic and requires microscopic examination to positively identify. There fore it is likely there are undiscovered sites that would put this species firmly into a G3 ranking.

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

Comments: The range is 794,042 sq. km. There are sites in Idaho, in Oregon in the East Cascades, the eastern Siskiyou Mountains, and the Wallowa Mountains. In California there is a single confirmed site in the Sierra Nevada Mountains in Sierra County. On the mushroomobserves.org website there are pictures purporting to be *R. coulterae* from 11 sites in the California Cascades and Sierra Nevada from Siskiyou and Modoc Counties to Tuolumne County.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 40 known occurrences across its range.

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

Comments: This species occupies at least 60 grid squares across its range.

Good Viability: A = No occurrences with excellent or good (A or B) viability or ecological integrity

Comments: None of the occurrences are in permanently protected areas.

Environmental Sensitivity: Not Evaluated

Comments: This is a mycorrhizal species associated to late successional forests

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

None of the sites are in permanently protected areas. If the sites are logged on a 40 year rotation, 25% would be impacted over 10 years and 100% would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G3

Rank Author: Michael Russell

Rank Reviewer: Ron Hamill

References:

Castellano, M.A., E. Cazares, B. Fondrick and T. Dreisbach. 2003. Handbook to additional fungal species of Special Concern in the Northwest Forest Plan. USDA Forest Service, General Technical Report PNW-GTR-572.

Cazares, E. 2002. Heritage rank status factors. Assessment for Survey and Manage Project, on-line: http://orbic.pdx.edu/documents/survey/ramaria_coulterae_global.pdf.

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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