

## Conservation Status Assessment

**Scientific Name:** *Ramaria coulterae*

**Classification:** Fungus

**Assessment area:** California

**Heritage Rank:** **S2**

**Rank Date:** 12/10/2018

Assigned Rank Comments: None.

Rank Adjustment Notes: There is only a single site documented with an herbarium collection. Much of the species range is out of the range of the Northern Spotted Owl and therefore much of the habitat would not have been surveyed for this species. Identification of the species requires microscopic examination so it takes a concerted effort to document sites. The 11 purported records on the Mushroom Observer website suggests that there are additional sites so I (M. Russell) ranked it S1S2. R. Hamill adjusted it to S2.

**Range Extent:** EF = 5000-200,000 sq km (~2000-80,000 sq miles)

Comments: There are confirmed records of this species from California in the Sierra Nevada Mountains of Sierra County and the Cascades of Siskiyou county. Those records constitute a range of about 5400 sq. km. 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. if those sites are included the range would be around 25,000 sq. km.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** B = 6 - 20

Comments: There are seven confirmed occurrences. On the mushroomobserved.org website there are photos purporting to be this species from up to 11 more sites.

**Area of Occupancy:** D = 6-25 4-km<sup>2</sup> grid cells

Comments: The confirmed sites occupy 7 grid squares. On the mushroomobserver.org website there are photos purporting to be this species from up to 11 more sites.

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

Comments: no collections are documented from permanently protected areas.

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

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:** S2

**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](http://orbic.pdx.edu/documents/survey/ramaria_coulterae_global.pdf).

**Definitions and Resources:**

<b>Rank Prefixes</b>	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
<b>Rank Values</b>	
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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