

Conservation Status Assessment

Scientific Name: *Ramaria stuntzii*

Classification: Fungus

Assessment area: California

Heritage Rank: **S2S3**

Rank Date: 12/11/2018

Assigned Rank Comments: None.

Rank Adjustment Notes: With a threat impact score of high, the rank would be a S2. With a threat impact score of medium, the rank would be S3. The calculator gave this species a threat impact score of medium based on an estimate of around 20% of sites impacted by logging over 10 years with no protection. If that estimate was 30% the threat impact score would be high. Due to uncertainty in predicting how many sites could be impacted by logging, and how many sites could be impacted by unpredictable events like wildfire and climate change, I gave the species a S2S3 ranking in California.

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

Comments: The California range is about 20,000 sq. km. Sites are found on the west slopes of the Coast Range from Del Norte to Mendocino County and the Siskiyou Mountains of Siskiyou County.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are 20 known occurrences in California.

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

Comments: This species occupies 24 grid squares in California.

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: There around 5 occurrences in State of National Parks, and one in a wilderness area.

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

Comments: A mycorrhizal species of conifer forests.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Approximately 80% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation, around 20% would be impacted over 10 years and 80% would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

Rank Author: Michael Russell

Rank Reviewer: Ron Hamill, Michael Russell

References:

No additional references listed.

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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