

Conservation Status Assessment

Scientific Name: *Phaeocollybia kauffmanii*

Classification: Fungus

Assessment area: California

Heritage Rank: **S2S3**

Rank Date: 5/21/2018

Assigned Rank Comments: None.

Rank Adjustment Notes: There are 4 sites that are older than 30 years. If the species is no longer extant at those sites that would lower the area of occupancy and number of occurrences scores to D and C respectively. With a threat impact score of high (or no threat impact ranking) that would result in a S2 ranking, but a threat score of medium would result in a S3 ranking. Due to uncertainties in the old collections and in predictions of potential threat impacts I gave this species an S2S3 ranking. To increase the ranking to S4 there would need to be 33 additional occurrences in protected areas or 83 additional grid occupied grid squares by 57 additional occurrences with 5 in protected areas. L. Norvell says A threat impact score of high makes the rank G2, A threat impact score of Medium makes it G3. Due to the uncertainty in predicting potential threat impacts I (M. Russell) gave it a rank of G2G3. To increase the ranking to S4 with a medium threat score there would need to be 40 additional occurrences in protected areas or 43 additional grid occupied grid squares by 17 additional occurrences with 12 in protected areas. L. Norvell says " Confirmed from 9 historical sites in California (a few no longer extant); Potentially would raise the rank to S2 based on habitat destruction and clustering effect.)

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

Comments: The California range is 55,311 sq. km. It includes sites in the coast ranges from Del Norte to Santa Cruz Counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are around 24 known occurrences in California.

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

Comments: This species occupies around 29 grid squares in California.

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

Comments: There are about 8 occurrences in State and national parks, or National Recreation Areas.

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

Comments: A mycorrhizal species of moist coniferous forests.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Around two thirds of the sites are not in protected areas. If those sites are logged on a 40 year rotation, around 18% of sites would be impacted over 10 years and around 66% of sites would be impacted over 100 years. Around 16% of sites may be threatened by residential development.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

Rank Author: Michael Russell

Rank Reviewer: Lorelei Norvell; Lindsey Wise

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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