

Conservation Status Assessment

Scientific Name: *Leucogaster microsporus*

Classification: Fungus

Assessment area: California

Heritage Rank: **S2**

Rank Date: 11/29/2018

Rank Reasons: This rank was changed from the 2016 rank from S1 to S2 based on an additional site identified during the 2018 update of California forest service data.

Range Extent: C = 250-1,000 sq km (~100-400 sq mi)

Comments: There are two sites that are likely to be within 10 km of each other in Northern California near Castle Crags state park. The 2018 update identified a third site about 35 km east.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: The two collection may or may not be close enough to be considered 1 occurrence. 2018 update added 1 occurrence, which does not change this score.

Area of Occupancy: C = 3-5 4-km² grid cells

Comments: There are two collections from Northern California near Castle Crags State Park. Only one collections has GPS coordinates but they have collections different location information. Based on the label information the distance between the sites may be enough to occupy 1 or 2 grid squares far enough apart for the site to occupy 2 grid squares. The 3rd site in the 2018 update is in a new grid square

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: One collection label says Castle Crags State Park, the other says along the frontage road. The 3rd site in the 2018 update is on forest service land and does not change this score.

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

Comments: This is a mycorrhizal species of coniferous forests.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

Rank Author: Michael Russell

Rank Reviewer: 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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