

Conservation Status Assessment

Scientific Name: *Clavariadelphus ligula*

Classification: Fungus

Assessment area: California

Heritage Rank: **S2**

Rank Date: 12/11/2018

Rank Reasons: 2018 update rank increased to S2 because there was in fact one occurrence in a protected area, and there are at least 5 known occurrences in California. Previously has been ranked as an S2, maybe more common than these occurrences suggest. R. Hamill says, "may be underreported, microscopy needed, habitat overlaps with *C. sachalinensis*." In 2002 Cazares ranked it as an S2 and said 'Fairly common mycorrhizal species worldwide, however is uncommon in CA. There is 1 out of 4 occurrences in protected sites. More studies are needed to determine its rarity or abundance in CA.' A threat impact of low would calculate as S3.

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

Comments: Found in northern California. Exact range might be a bit higher, as the 2002 assessment lists 4 occurrences but the records I have only show 2. 2018 update makes range over 30 000 square km with those other three occurrences. Upped to class F.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: 5 occurrences in California.

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

Comments: Only 2 occurrences in my records, one more from mushroomobserver.org, and 2002 survey lists 4. 2018 update, there are 5 occurrences, in 5 grid cells.

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

Comments: One is in Salt Point State Park.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Changed to medium since one occurrence is in fact in a state park. Other occurrences could be at risk.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

Rank Author: Caitlin Lawrence

Rank Reviewer: Ron Hamill; 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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