

Conservation Status Assessment

Scientific Name: *Phaeoclavulina abietina*

Classification: Fungus

Assessment area: California

Heritage Rank: **S2S3**

Rank Date: 4/22/2017

Assigned Rank Comments: None.

Rank Adjustment Notes: The threat impact score of high is based on the 7 bay area sites that may be threatened by residential development. If some of those sites are in forest areas that are not threatened by residential development despite not being in state parks, that would make the threat impact score medium. With a threat impact score of high the ranking is S2, with a medium score the ranking would be S3.

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

Comments: The California range is 20,302 sq. km. It includes sites in the Coastal mountains from Humboldt to Santa Cruz Counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 22 known occurrences in California. 14 occurrences are documented in agency or herbarium databases with precise location coordinates. About 8 sites are documented by herbarium collections with less precise location information.

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

Comments: This species occupies about 24 grid squares in California.

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

Comments: 6 occurrences are in State parks or the San Francisco watershed.

Environmental Sensitivity: C = Moderate. Generalist or community with some key requirements scarce

Comments: A decomposer of conifer debris found in forests around the world. In the Oregon it seems to be confined to sites that are slightly in the rain shadow, but still in the Douglas fir zone.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: B = High

Comments:

8 sites (about 33%) are on apparently unprotected land in the San Francisco Bay Area and may be threatened by residential or commercial development. Approximately 70% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation, around 17% would be impacted over 10 years, and about 70% would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

Rank Author: Michael Russell

Rank Reviewer: Ron Hamill

References:

Giachini, A.J.; Castellano, M.A. 2011. A new taxonomic classification for species in *Gomphus sensu lato*. *Mycotaxon*. 115:183-201.

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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