

Conservation Status Assessment

Scientific Name: *Phaeoclavulina abietina*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S2**

Rank Date: 4/22/2017

Assigned Rank Comments: None.

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

Comments: The Oregon Range is 25,034 sq. km. There are sites in the eastern Coast Range and in the west Cascades where they merge with the Siskiyou Mountains. There is also one site in the east Cascades in Wasco County.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are about 18 known occurrences in Oregon. There are 15 occurrences documented in agency or herbarium databases that have precise location data, and about 3 more sites documented by herbarium collections with less precise location information.

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

Comments: This species occupies about 23 grid squares in Oregon.

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

Comments: One site is in a Research Natural Area.

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: C = Medium

Comments:

Only 1 of 19 occurrences is in a protected area. If the other sites are logged on a 40 year rotation, about 24% would be impacted over 10 years, and about 95% 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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