

Conservation Status Assessment

Scientific Name: *Gomphus clavatus*

Classification: Fungus

Assessment area: California

Heritage Rank: **S3**

Rank Date: 3/9/2017

Rank Reasons: To increase the ranking to S4 with the same range, there would need to more than 40 occurrences with good viability or threat decreased to low. Given threat from logging, medium threat level is appropriate.

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

Comments: The California range is 27,829 sq. km. There are sites near the coast and in the Coastal Mountains from Del Norte to Sonoma Counties and in the Siskiyou Mountains of Siskiyou and Trinity Counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 24 known occurrences of this species in California.

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

Comments: This species occupies 36 grid squares in California.

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

Comments: 5 occurrences are in state parks, wilderness areas or national recreation areas.

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

Comments: A mycorrhizal species typically found in mature conifer forest.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Approximately 80% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation around 20% of sites would be impacted over 10 years, and around 80% of sites would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

Rank Author: Michael Russell

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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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