

Conservation Status Assessment

Scientific Name: *Gomphus clavatus*

Classification: Fungus

Assessment area: Washington

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 more than 126 occupied grid squares and more than 80 occurrences. That would require almost 2 times as many occupied grid squares.

Range Extent: FG = 20,000-2,500,000 sq km (~8000-1,000,000 sq miles)

Comments: The Washington range is 120,811 sq. km. There are sites in the Olympic peninsula of Clallam, Jefferson, Grays Harbor and Mason Counties, the Cascades from Whatcom and Chelan to Skamania and Yakima counties. There are also sites Pend Oreille and Spokane Counties in northeast Washington.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 50 known occurrences in Washington.

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

Comments: This species occupies 56 grid squares in Washington.

Good Viability: D = Some (13-40) occurrences with excellent or good viability or ecological integrity

Comments: 13 sites are in national parks or wilderness 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 74% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation, around 18% of sites would be impacted over 10 years, and around 74% of sites would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

Rank Author: Michael Russell

Rank Reviewer: Lorelei Norvell

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>

Oregon Biodiversity Information Center, Institute for Natural Resources

Oregon State University and Portland State University

Mail Stop: INR, P.O. Box 751

Portland, OR 97207-0751

(503)-725-9950

<http://inr.oregonstate.edu/orbic>

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