

## Conservation Status Assessment

**Scientific Name:** *Gomphus clavatus*

**Classification:** Fungus

**Assessment area:** Oregon

**Heritage Rank:** **S3**

**Rank Date:** 3/1/2018

Rank Reasons: Given known distribution and number of occurrences, this species ranks as S3. If threat impact is changed to low it would rank as S4, but medium threat seems appropriate at this time.

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

Comments: The Oregon range is 65,182 sq. km. There are sites in the Coast range from Clatsop to Coos counties, in the Cascades from Multnomah to Jackson and Klamath counties, and in the Siskiyou of Curry county.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** D = 81 - 300

Comments: There are 88 known occurrences in Oregon.

**Area of Occupancy:** EF = 26-500 4-km<sup>2</sup> grid cells

Comments: This species occupies 110 grid squares in Oregon. Likely more undocumented.

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

Comments: 5 occurrences are in wilderness areas or research natural 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 94% of sites are not in protected areas. If those sites are logged on a 40 year rotation, around 23% of sites would be impacted over 10 years, and around 94% of sites would be impacted over 100 years.

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

**Calculated Rank:** S3

**Rank Author:** Michael Russell; Lindsey Wise

**Rank Reviewer:** Lorelei Norvell; 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>

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

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