

Conservation Status Assessment

Scientific Name: *Gomphus clavatus*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G4**

Rank Date: 3/9/2017

Rank Reasons: *Gomphus clavatus* is restricted to the northern hemisphere, a good edible that is marked in the 2012 European red list as relevant for assessment and listed as endangered, vulnerable, or near threatened in Austria, Bulgaria, Czech Republic (critically by Holec & Beran 2006), Denmark, Finland, [France (Larent-Dargent 2009)], Germany, Hungary, Latvia, Lithuania, Norway, Poland, Romania, Slovakia, Sweden, and Turkey. Less threatened in PNW where habitats are preserved and the population is more mycophobic. Found no new data to contradict 2017 assigned rank for Region 6. (Holec, Jan; Beran, Miroslav (eds.) 2006. Red list of fungi (macromycetes) of the Czech Republic]. – Příroda, Praha, 24: 1-282. [in Czech with English summary] ; Laurent-Dargent, Jonathan. 2009. La Liste Rouge des Champignons (macromycètes) rares ou menacés de Lorraine. Thesis for Docteur de Pharmacie: Université Henry Poincare - Nancy I. 120 pp.)

Range Extent: H = >2,500,000 sq km (> 1,000,000 sq mi)

Comments: The range of this species is over 15 million sq. km there are sites throughout North America and in China, the Czech Republic, Austria, Switzerland, France, Italy, and Sweden. Along the east coast of North America there are sites in Newfoundland and Labrador, Nova Scotia, Quebec, Maine, New Hampshire, Vermont, Massachusetts, Connecticut, New York, Maryland, West Virginia, Virginia, North Carolina, Georgia, and Florida . In the Midwest and south there are sites in Ontario, Minnesota, Wisconsin, Michigan, Illinois, Indiana, Tennessee, Alabama, Louisiana and Texas. In the Rockies there are sites in Alberta, Montana, Idaho, Colorado, and New Mexico. In the Pacific west there are sites in Alaska, British Columbia, Washington, Oregon, and California.

Population Size: Not assessed

Comments: None

Number of Occurrences: E = >300

Comments: There are about 373 known occurrences of this species across its range. There are 262 site

Area of Occupancy: F = 126-500 4-km² grid cells

Comments: This species occupies about 418 grid squares across its range.

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

Comments: About 35 occurrences are in state, provincial or national parks, national recreation or Scenic areas, 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:
 Around 15% of sites have locality information as a town or city and there fore may be threatened by residential development. Approximately 91% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation around 22% of sites would be impacted over 10 years, and around 91% of sites would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G4

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>

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