

Conservation Status Assessment

Scientific Name: *Turbinellus floccosus*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G4G5**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

Rank Adjustment Notes: Giachini & Castellano (2011): "Genetic data indicate that *Gomphus bonarii* and *G. floccosus* (and all their forms and subspecies) represent phenotypes of a single species... Hence, *G. bonarii* and *G. floccosus* (and all their variants), long thought to be different species but seldom correctly separated on morphological grounds, are synonymized, with the name *Turbinellus floccosus* (Schwein.) Earle (1909) having priority". The name was retained on the 2013 list because Index Fungorum had not yet entered the change: IF now shows the synonymy. (Giachini, Admir; Castellano, Michael. 2011. A new taxonomic classification for species in *Gomphus sensu lato*. Mycotaxon 115: 183–201.)

Range Extent: GH = 200,000 to >2,500,000 sq km (~80,000 to >1,000,000 sq miles)

Comments: In the Agency and herbarium database there are sites in the Pacific states and provinces from British Columbia to Sonoma and Fresno counties in California. There are also sites in the Rockies of Idaho, Arizona, and New Mexico. In the 2002 ranking, L. Norvell mentions sites in Montana and Mexico (citing Petersen. 1971. The genera *Gomphus* and *Gloeocantharellus* in North America. *Nova Hedwigia* 2: 33-45.) with only the sites in agency and herbarium databases the range would be 1.7 million sq. km. Adding the Montana and Mexico sites increases it to more than 2.5 million sq. km.

Population Size: Not assessed

Comments: None

Number of Occurrences: D = 81 - 300

Comments: There are 113 known occurrences of this species across its range. There are 89 sites documented with precise location coordinates in agency or herbarium databases, and another about 23 sites documented by herbarium collections with less precise location information.

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

Comments: this species occupies about 123 grid squares across its range.

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

Comments: 22 occurrences are in national or state parks or wilderness areas.

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

Comments: A mycorrhizal species associated with *Abies* and other conifer species.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

About 5% of the locations mentions towns or private land that may be threatened by residential development. 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: G4

Rank Author: Michael Russell

Rank Reviewer: Lorelei Norvell

References:

Giachini, A.J.; Trappe, J.M. 2004. Systematics of the Gomphales: The Genus Gomphus Pers. Sensu Stricto
 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>

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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