

Conservation Status Assessment

Scientific Name: *Turbinellus floccosus*

Classification: Fungus

Assessment area: California

Heritage Rank: **S4S5**

Rank Date: 12/17/2018

Assigned Rank Comments: None.

Rank Adjustment Notes: While this assessment refers only to observations of what was called *Gomphus bonarii*, that taxon is now considered a synonym of *Turbinellus floccosus* which is common in California forests north of Santa Cruz County. See global note and refer to 2013 California fungi list (appendix).

Because this species has been synonymized with the taxon that was formerly called *Gomphus floccosus*, there are many more sites that are not included in agency databases. The assigned rank reflects the fact that the lumped taxon is relatively secure.

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

Comments: The California range of what was called *Gomphus bonarii* is about 121,000 sq. km. There are sites in the Siskiyou and Coastal Mountains from Trinity to Sonoma Counties and in the Cascades and Sierra Nevadas from Siskiyou to Fresno Counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: D = 81 - 300

Comments: There are 123 known occurrences in California. 93 are documented in agency or herbarium databases with precise location coordinates and about another 10 are documented by herbarium collections with less precise location information. In the 2002 ranking, L. Norvell said there were 81 known occurrences in California.

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

Comments: This species occupies 114 grid squares in California.

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

Comments: 25 occurrences are in state or national 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:

Approximately 67% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation around 16% of sites would be impacted over 10 years, and around 67% of sites would be impacted over 100 years

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S4

Rank Author: Michael Russell

Rank Reviewer: Lorelei Norvell, Michael Russell

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>

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