

Conservation Status Assessment

Scientific Name: *Turbinellus kauffmanii*

Classification: Fungus

Assessment area: Washington

Heritage Rank: **S3**

Rank Date: 3/9/2017

Rank Reasons: About 20 occurrences, a fair number (just less than half) in protected areas. Some of the older occurrences may not be extant populations.

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

Comments: Around 43 000 sq. km. Found west side of the state, ranging north to south.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: Right around 20. In 2002 assessment there were 14 known occurrences, all from before 1994, but about 10 more occurrences have been collected since. Possible that some of the older occurrences are no longer extant.

Area of Occupancy: D = 6-25 4-km² grid cells

Comments: Right around 20-22.

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

Comments: At least 3 occurrences in Olympic National Park, one in Glacier Peak Wilderness, 5 or 6 in Mount Rainier National Park.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

From Norvell 2002: "GOKA is thought to occur more frequently in LSOG than in younger forests, but this inference has not been statistically demonstrated, due to the lack of insufficient data. It is thought to associate mycorrhizally with Abies and Tsuga. Whatever threatens its habitat and symbiotic partners will threaten GOKA. All populations are at risk to incidental catastrophic events (wildfire) and unmonitored human interference. Unprotected populations are at risk to road construction or other development, and heavy logging (i.e. clean/or clearcutting or heavy thinning). (Norvell pers. comm. 2002)."

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

Rank Author: Caitlin Lawrence

Rank Reviewer: Lorelei Norvell

References:

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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