

Conservation Status Assessment

Scientific Name: *Turbinellus kauffmanii*

Classification: Fungus

Assessment area: California

Heritage Rank: **S2**

Rank Date: 3/9/2017

Rank Reasons: Around 15 occurrences, 3 (but multiple collections from Jedediah Smith Redwoods State Park) of which are in protected areas.

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

Comments: Around 95,000 sq. km. However, a couple of the GPS points appear to be mapping in the wrong location (should be in Shasta Trinity National Forest). Would still remain in category F.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: Around 15 occurrences. In 2002 survey Norvell reports: "ISMS-ONH (2002) reports 10 occurrences from California, of which only 3 were collected after 1996 (Dreisbach et al 2002; ISMS-ONH 2002). Dreisbach et al (2002) estimate that only 3 California occurrences are extant ." A few new occurrences have been recorded since the 2002 assessment.

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

Comments: Around 15 occurrences, a couple of which are clusters covering more than one grid cell.

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: One occurrence in Yosemite National Park, a cluster in Jedediah Smith Redwoods State Park, one in Marble Mountain Wilderness. One of the Jedediah and the Yosemite occurrence are recent.

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:

In California about 3 of 15 occurrences in protected areas. If the unprotected sites are logged on a 40 year rotation, about 20% would be affected and over 100 years 80% would be affected. Some of the old occurrences are not known for sure to still be extant.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

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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