

Conservation Status Assessment

Scientific Name: *Tricholoma venenatum*

Classification: Fungus

Assessment area: California

Heritage Rank: **S1**

Rank Date: 6/15/2018

Assigned Rank Comments: None.

Rank Adjustment Notes: Until more populations can be confirmed, this should be ranked as S1.

Range Extent: BD = 100-5000 sq km (~40-2000 sq miles)

Comments: Reported from the Sierra Nevada. In the 2002 ranking, L. Norvell states that she has examined specimens in the SFSU herbarium that were very close to *T. venenatum*, but they may be different enough to be an undescribed species. The Mycoportal.org database does not include any collections of *T. venenatum* from California. The herbarium database includes 5 collections of *Tricholoma* in the SFSU herbarium from California, so it is unclear what happened to the collections mentioned in the 2002 ranking. There is a record in genbank (accession number AF377230, collected by K. M. Shanks - KMS396) that appears to be in the Sierras of California, but there is no record of that collection (KMS396) in the mycoportal.org database.

Population Size: Not assessed

Comments: None

Number of Occurrences: AB = 1 - 20

Comments: In the 2002 ranking, L. Norvell states that she examined 7 collections, but it was unclear how many occurrences they represented. Mycowebs states it is found in the Sierra Nevada. There is a 2017 observation on Mushroom Observer from El Dorado National Forest.

Area of Occupancy: BD = 2-25 4-km² grid cells

Comments: It is unknown how many grid squares this species occupies in California. Heilmann-Clausen et al. (2017) generated a new ITS sequence from a California specimen. Mycowebs states it is found in the Sierra Nevada. There is a 2017 observation on Mushroom Observer from El Dorado National Forest.

Good Viability: U = Unknown

Comments: None

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

Comments: Mycorrhizal on hardwood and potentially conifer trees.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: U = Unknown

Comments:

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S1S2

Rank Author: Michael Russell; Lindsey Wise

Rank Reviewer: Lorelei Norvell; Lindsey Wise

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>

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

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