Element Ranking Form

Oregon Biodiversity Information Center

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. Mycoweb 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. Mycoweb 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:

<table>
<thead>
<tr>
<th>Rank Prefixes</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>G</td>
<td>Global rank, applied to taxon's full geographic range</td>
</tr>
<tr>
<td>S</td>
<td>State rank, applied to taxon's range within the designated state</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Rank Values</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Critically imperiled</td>
</tr>
<tr>
<td>2</td>
<td>Imperiled</td>
</tr>
<tr>
<td>3</td>
<td>Vulnerable</td>
</tr>
<tr>
<td>4</td>
<td>Apparently secure, uncommon but not rare</td>
</tr>
<tr>
<td>5</td>
<td>Secure, common, abundant, and widespread</td>
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</tbody>
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Suggested citation:

More assessments available at [http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation](http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation)

Element rank calculator resources at [http://www.natureserve.org/conservation-tools/conservation-rank-calculator](http://www.natureserve.org/conservation-tools/conservation-rank-calculator)