Conservation Status Assessment

Scientific Name: *Tricholoma venenatum*

Classification: Fungus
Assessment area: Washington

Heritage Rank: S1?
Rank Date: 6/15/2018

Assigned Rank Comments: None.
Rank Adjustment Notes: With only one occurrence noted (historical from the 90s?) on the Washington map, and in view of the confirmation of the Californian coniferous 'venenatum' as distinct from T. pardinum, this population also merits an S1 rating. One WTU collection [D.E. Stuntz 20184] from Cispus III in Mt. Rainier park needs microscopical confirmation. Due to the uncertainty of the identification of these reports, rank was changed to S1?

Range Extent: A = <100 sq km (< ~40 sq mi)

Comments: Castellano et al. 1999 sites a single collection of this species from Olympic National Park. However, in the 2002 ranking L. Norvell suggests the specimen was misidentified and explains that T. venenatum is typically found with hardwoods while the Olympic site is unlikely to have ectomycorrhizal hardwoods. She states that the specimen is likely a pale version of the conifer associated T. pardinum. There is a herbarium collection from 1977 with the location stated as Cispus, Washington, another site unlikely to have ectomycorrhizal hardwood trees. That collection (from WTU, the University of Washington herbarium) was not mentioned in either the Castellano et al. 199 treatment, or the 2002 ranking. (Castellano et al. 1999. Handbook to Strategy 1 Fungal Species in the Northwest Forest Plan. USDA-FS PNWRS PNW-GTR-476.)

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There may be a single occurrence from Washington.

Area of Occupancy: A = 1 4-km2 grid cell

Comments: This species may occupy a single grid square in Washington.

Good Viability: A = No occurrences with excellent or good (A or B) viability or ecological integrity

Comments: The occurrence is not in a permanently protected area.

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: The site may be threatened by timber harvest.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S1

Rank Author: Michael Russell
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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<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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<table>
<thead>
<tr>
<th>Rank Values</th>
<th>Description</th>
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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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Suggested citation:

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