

## Conservation Status Assessment

**Scientific Name:** *Guepinia helvelloides*

**Classification:** Fungus

**Assessment area:** Washington

**Heritage Rank:** **S3S4**

**Rank Date:** 6/15/2018

Rank Reasons: *Guepinia helvelloides* is accepted name according to Species Fungorum Oct 2017. Synonym is *Tremiscus helvelloides*.

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

Comments: The Washington range is 119, 274 sq. km there are sites throughout the forested areas of Washington including the Olympic mountains, the San Juan Islands, The Cascade range, and the mountains of eastern Washington from Pend Oreille to Spokane Counties.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** C = 21 - 80

Comments: There are 39 known occurrences in Washington.

**Area of Occupancy:** E = 26-125 4-km<sup>2</sup> grid cells

Comments: This species occupies 49 grid squares in Washington.

**Good Viability:** D = Some (13-40) occurrences with excellent or good viability or ecological integrity

Comments: 14 occurrences are in national or state parks or wilderness areas.

**Environmental Sensitivity:** C = Moderate. Generalist or community with some key requirements scarce

Comments: A saprotroph on duff litter or rotten wood.

**Short Term Trends:** Not Evaluated

Comments: None

**Long Term Trends:** Not Evaluated

Comments: None

**Threat Impact:** CD = Medium - Low

Comments:

Approximately 63% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation around 16% of sites would be impacted over 10 years, and around 63% of sites would be impacted over 100 years. Loring states "I find it in mid-seral stands and in roads and trails, so I will assume it can withstand disturbance, at least somewhat."

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

**Calculated Rank:** S3S4

**Rank Author:** Michael Russell; Lindsey Wise

**Rank Reviewer:** Scot Loring; Lindsey Wise

**References:**

Kirk P.M. (2018). Species Fungorum (version Oct 2017). In: Roskov Y., Abucay L., Orrell T., Nicolson D., Bailly N., Kirk P.M., Bourgoin T., DeWalt R.E., Decock W., De Wever A., Nieukerken E. van, Zarucchi J., Penev L., eds. (2018). Species 2000 & ITIS Catalogue of Life, 31st May 2018. Digital resource at [www.catalogueoflife.org/col](http://www.catalogueoflife.org/col). Species 2000: Naturalis, Leiden, the Netherlands. ISSN 2405-8858.

**Definitions and Resources:**

<b>Rank Prefixes</b>	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
<b>Rank Values</b>	
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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