

Conservation Status Assessment

Scientific Name: *Guepinia helvelloides*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G4**

Rank Date: 3/9/2017

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

Range Extent: H = >2,500,000 sq km (> 1,000,000 sq mi)

Comments: The range of this species is more than 24 million sq. km. There are sites in Sweden, Latvia, Norway, Switzerland, Austria, Romania in Europe, China in Asia, Brazil in South America, and Guatemala, Mexico, and Puerto Rico in Central America and the Caribbean. In eastern North America there are sites in Newfoundland, Nova Scotia, Ontario, Quebec, New York, West Virginia, Florida, Michigan, and Illinois. in the Rocky mountains in Alberta, Idaho, and Arizona. In the Pacific west there are sites in Alaska, British Columbia, throughout Washington, Oregon, and California south to Monterey County.

Population Size: Not assessed

Comments: None

Number of Occurrences: E = >300

Comments: There are 305 known occurrences across its range.

Area of Occupancy: F = 126-500 4-km² grid cells

Comments: This species occupies 266 grid squares across its range.

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

Comments: 40 occurrences are in state, provincial national parks, wilderness areas, or research natural 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 87% of sites are not in permanently protected areas. If those sites are logged on a 40 year rotation around 22% of sites would be impacted over 10 years, and around 87% 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: G4

Rank Author: Michael Russell; Lindsey Wise

Rank Reviewer: Scot Loring

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. Species 2000: Naturalis, Leiden, the Netherlands. ISSN 2405-8858.

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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