

Conservation Status Assessment

Scientific Name: *Guepinia helvelloides*

Classification: Fungus

Assessment area: California

Heritage Rank: **S3S4**

Rank Date: 6/15/2018

Assigned Rank Comments: None.

Range Extent: G = 200,000-2,500,000 sq km (~80,000-1,000,000 sq mi)

Comments: The California range is at least 250,000 sq. km. There are sites in the Coastal Mountains from Del Norte to the Palomar Mountains in San Diego Counties, the Cascades on Siskiyou to Butte Counties, and the Sierra Nevada Mountains from Yuba to El Dorado Counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are at least 24 known occurrences in California.

Area of Occupancy: DE = 6-125 4-km² grid cells

Comments: This species occupies at least 24 grid squares in California. There are also several sightings on iNaturalist.

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: 12 sites are in wilderness areas or state parks.

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:

12 of 24 sites may be threatened by timber harvest. 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. 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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