

Conservation Status Assessment

Scientific Name: *Helvella crassitunicata*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G3**

Rank Date: 11/23/2016

Rank Reasons: Many sites in a large range, but species has a narrow environmental specificity with some threats and vulnerabilities.

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

Comments: The agency databases only include sites in Oregon and Washington. There are two 2003 collections from near Fairbanks, AK. The strategy 1 species handbook states the species is endemic to Washington and Oregon. (Castellano, M.A., Smith, J.A., O'Dell, T., Cazares, E., and Nugent, S. 1999. Handbook to Strategy 1 Fungal Species in the Northwest Forest Plan. Portland, Oregon: USDA Forest Service, PNWRS PNW-GTR-476.) N. Weber's 2002 ranking states that the species is found in Alaska, BC east to the Canadian Rockies, and an unconfirmed observation from Colorado. The most recent revision of the group (Abbott, S.P., and Currah, R.S. 1997. The Helvellaceae: Systematic revision and occurrence in northern and northwestern North America. Mycotaxon 62: 1-125) states the examined specimens from southern AK, coastal BC, and the Canadian Rockies that are not in the Mycoportal.org herbarium records. The Oregon and Washington range is 107,000 sq. km. Including the other sites the range is about 1.9 million sq. km.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are 30 occurrences

Area of Occupancy: E = 26-125 4-km² grid cells

Comments: There 50 grid squares occupied by this species

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

Comments: There are 21 sites that are in US or Canadian national parks, Provincial parks, or designated wilderness areas.

Environmental Sensitivity: B = Narrow. Specialist or community with key requirements common

Comments: This species is likely mycorrhizal on high elevation forests. Its wide range suggests that it can form associations with several species in those communities.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Intrinsic Vulnerability: B = Moderately vulnerable

Comments: None

Calculated Rank: G3

Rank Author: Michael Russell

Rank Reviewer: Michael Russell

References:

No additional references listed.

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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