

Conservation Status Assessment

Scientific Name: *Helvella elastica*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G5**

Rank Date: 11/23/2016

Rank Reasons: Very wide range, hundreds of sites, and a fair number of protected locations.

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

Comments: The north American range is over 13 million sq. km. There are additional herbarium records from Asia, Argentina, and Europe.

Population Size: Not assessed

Comments: None

Number of Occurrences: E = >300

Comments: There are 204 precisely mapped sites and an additional 500 collections that have less precise location information. It is very likely that there are more than 300 element occurrences in the world of this species.

Area of Occupancy: G = 501-2,500 4-km² grid cells

Comments: There are 204 grid squares occupied by sites that are mapped in the Agency databases (FS regions 5 and 6 and PNW BLM) and in the KLM file available from the Mycoportal website (in 2016). There are an additional 570 collections in the Mycoportal collections list that do not have precise location information. It is likely that there are at least 297 additional grid squares in occupied in the global distribution.

Good Viability: E = Many (41-125) occurrences with excellent or good viability or ecological integrity

Comments: There are at least 40 sites within national parks, wilderness areas, state parks, or private preserves that are permanently protected. Additionally, the number of collections in highly disturbed areas like Europe, China, Iowa, and in large American cities it is likely this species can survive some level of disturbance.

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

Comments: This species is very widespread, indicating it can survive in a large number of habitats. N. Weber in the 2002 ranking suggested this species only occurs in mature forest, suggesting there are some limiting factors that may be scarce.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: D = Low

Comments:
Some sites could be threatened by logging or other disturbances.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G5

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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