

Conservation Status Assessment

Scientific Name: *Gyromitra californica*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G4**

Rank Date: 11/22/2016

Rank Reasons: Large range and many sites, with some environmental specificity and threats. Many are older (pre-1980s) sightings, would be good to assess the current viability of sites.

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

Comments: Range extends from BC, south through the cascades to the southern Sierra Nevada range, It also is found in the northern Rockies from grand Teton to west slope Montana and the Idaho panhandle. Most of the sites from the sierras are pre-1960 herbarium collections.

Population Size: Not assessed

Comments: None

Number of Occurrences: D = 81 - 300

Comments: About 100 to 120 known sites. About 50 sites from FS, BLM and Biotics databases, and about 50 sites based on herbarium collections in Mycoportal.org. Many of the herbarium collections were collected prior to 1980.

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

Comments: About 102 to 120 occupied grid squares. Around half of the sites are based on herbarium collections, many of which are before 1980.

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

Comments: Around 20 to 30 sites are in Wilderness areas or National Parks.

Environmental Sensitivity: AB = Very narrow to narrow

Comments: N.Weber in 2002 ranked this as an A saying "The relative paucity of specimens of this conspicuous fungus even from suitable habitats indicates it tolerates a very narrow set of environmental parameters." however the fact that the species has a wide range that incorporates a number of forest types and ecoregions I think the "very narrow specificity" ranking was not warranted so I ranked it as AB.

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: N. Weber in 2002 ranking said "This species fruits in sites with diverse mature trees and seeps and trickles or small streams where rotting wood is plentiful. If the trees are removed and the soil dries out and the humidity falls, the survival of this species is in doubt."

Calculated Rank: G4

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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