

Conservation Status Assessment

Scientific Name: *Gyromitra californica*

Classification: Fungus

Assessment area: Washington

Heritage Rank: **S3**

Rank Date: 3/9/2017

Rank Reasons: Many sites, but some vulnerability.

Range Extent: F = 20,000-200,000 sq km (~8,000-80,000 sq mi)

Comments: Range 116,000 km. The Washington range includes the Olympic and Kitsap peninsula, the length of the cascades range, and the forests of northeast Washington.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: There are about 43 occurrences in Washington. There are around 10 herbarium collections with imprecise location information that were lumped into better mapped sites. If they were different locations it would not change the occurrence score.

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

Comments: This species occupies 33 grid squares in Washington

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

Comments: 13 sites are located in or on the edge of 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: S3

Rank Author: Michael Russell

Rank Reviewer: Scot Loring

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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