

## Conservation Status Assessment

**Scientific Name:** *Gyromitra californica*

**Classification:** Fungus

**Assessment area:** Oregon

**Heritage Rank:** **S3**

**Rank Date:** 3/9/2017

Rank Reasons: Fair number of sites, but there are vulnerabilities.

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

Comments: The Oregon range is about 30,000 km. This includes the western Cascades range and the Siskiyou.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** C = 21 - 80

Comments: There are about 40 occurrences in Oregon

**Area of Occupancy:** E = 26-125 4-km<sup>2</sup> grid cells

Comments: In Oregon this species occupies about 40 grid squares.

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

Comments: 5 occurrences are in wilderness areas that are protected from timber management.

**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:

Around 75% of sites are not in protected areas and are vulnerable to effects of logging.

**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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