

Conservation Status Assessment

Scientific Name: *Gyromitra californica*

Classification: Fungus

Assessment area: California

Heritage Rank: **S3**

Rank Date: 3/9/2017

Rank Reasons: Several sites with some vulnerabilites.

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

Comments: The California known sites consist entirely of herbarium specimens. Only two of them are more recent than 1950 and they are from the cascades and northern sierras. There are more recent photos on the mushroomobserver.org website from the length of the Sierras. There is a single 1919 collection from Los Gatos Canyon in the Bay area. Due to the extensive develop in that area over the past century it is unknown if that site is still extant. Without the Los Gatos site the range is around 65,000 sq. km, with the los gatos site it is around 120,000 sq. km.

Population Size: Not assessed

Comments: None

Number of Occurrences: CD = 21 - 300

Comments: There are 19 known occurrences based on agency databases and the Mycoportal collections. The Mushroom observer website has pictures from many locations that purport to be this species, suggesting the number of occurrences is likely greater than 21.

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

Comments: There are 16 grid squares occupied by known sites. There are many photos purporting to be this species on mushroomobserver.org, suggesting this species occupies more than 26 grid squares.

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

Comments: There are several sites in Yosemite, Sequoia - Kings Canyon, and Lassen National Park.

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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