

Conservation Status Assessment

Scientific Name: *Lactarius lactarioides*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G2G3**

Rank Date: 3/9/2017

Rank Reasons: Small number of occurrences, but species may be more common.

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

Comments: Oregon and northern California, about 47,000 sq. km.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: About 9. From Camacho 2002 "This species appears to be found in sites that are rarely examined for truffles. This species is likely more common than we currently know."

Area of Occupancy: D = 6-25 4-km² grid cells

Comments: About 9 occurrences covering 9 grid cells.

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: One in Lassen Volcanic National Park, one on the edge of Mt. Shasta Wilderness.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

About 7/9 of occurrences unprotected. If unprotected sites are logged on a 40 year rotation, about 20% would be affected in 10 years, and up to 80% in 100 years. From Camacho 2002: "This is a mycorrhizal species it is dependent on a host tree for its carbohydrates. Studies have shown that if the tree is killed the mycorrhizal fungi die shortly after. The one possibly saving feature of this species is the spore bank. However, nothing is known about the spore bank of this species."

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G2

Rank Author: Caitlin Lawrence

Rank Reviewer: Matt Trappe

References:

Kirk, P.M. 2015. Nomenclatural novelties. Index Fungorum. 278:1-1.

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>

Oregon Biodiversity Information Center, Institute for Natural Resources

Oregon State University and Portland State University

Mail Stop: INR, P.O. Box 751

Portland, OR 97207-0751

(503)-725-9950

<http://inr.oregonstate.edu/orbic>

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