

Conservation Status Assessment

Scientific Name: *Bridgeoporus nobilissimus*

Classification: Fungus

Assessment area: California

Heritage Rank: **S1**

Rank Date: 12/5/2018

Rank Reasons: Only one known occurrence known, it is protected and was found in 2010.

Range Extent: A = <100 sq km (< ~40 sq mi)

Comments: One occurrence known from California.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: Only one occurrence, not in the records I have, so I'm not sure how long ago this collection was made. A recent study (Gordon and Van Norman 2015) used molecular techniques to sample for this species in stumps and trees without visible conks (basidiocarps). The researchers found the fungal DNA in numerous trees that did not have basidiocarps. This suggests that this species may be more common than the presence of basidiocarps indicates. However all samples were taken from stands with visible basidiocarps on some trees so this study did not conclusively demonstrate that there are occurrences of this species that could not be located based on the presence of basidiocarps. (Gordon, M., K. Van Norman 2015. *Bridgeoporus nobilissimus* is much more abundant than indicated by the presence of basidiocarps in forest stands. *North American Fungi* 10 (3) : 1 - 28)

Area of Occupancy: A = 1 4-km² grid cell

Comments: Only one known.

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

Comments: Uncertain of the location. In 2002 assessment Norvell said "1 collection is reported from northern California in the Six Rivers National Forest." 2018 update shows the occurrence is in Redwood National and State Parks and collected in 2010.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: U = Unknown

Comments:
Difficult to assess the threat to a single occurrence of a species.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S1

Rank Author: Caitlin Lawrence

Rank Reviewer: Lorelei Norvell

References:

Norvell, Lorelei L. 2002. Heritage rank status factors. Assessment for Survey and Manage Project, on-line:
http://orbic.pdx.edu/documents/survey/bridgeoporus_nobilissimus_global.pdf

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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