

## Conservation Status Assessment

**Scientific Name:** *Bondarzewia mesenterica*

**Classification:** Fungus

**Assessment area:** Washington

**Heritage Rank:** **S3S4**

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

Rank Reasons: Fair number of occurrences and range. A good number are in Olympic and Rainier National Park. With the same range and threat impact score, there would need to be around 85 additional grid squares occupied by around an additional 41 occurrences. There are about 10 additional Washington occurrences documented by photographs on the mushroomobserver.org website. It is possible that there are enough undocumented occurrences so I gave this species an S3S4 ranking.

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

Comments: Around 74,000 sq. km. West side of the state.

**Population Size:** Not assessed

Comments: None

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

Comments: A little over 40 occurrences.

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

Comments: Around 40 grid cells.

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

Comments: One in Moran State Park, 5 in Olympic National Park, one in Alpine Lakes Wilderness, 5 in Mount Rainier National Park, one in Goat Rocks 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:

Some occurrences in protected areas, others at risk from logging. According to Norvell, 2002: "The primary threat to the species is the elimination of late-successional and old-growth forest habitats, through fire, pollution, development, mining, or logging activities. Alteration of forest management for shorter rotations and the accompanying decline of late-succession or old-growth habitats are seen as a long term threat."

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

**Calculated Rank:** S3

**Rank Author:** Caitlin Lawrence

**Rank Reviewer:** Lorelei Norvell

**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>

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>

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