

## Conservation Status Assessment

**Scientific Name:** *Bondarzewia mesenterica*

**Classification:** Fungus

**Assessment area:** Oregon

**Heritage Rank:** **S4**

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

Rank Reasons: Good number of occurrences in the state, some locations with numerous collections, however, none of the known occurrences are in protected areas. If there are around 10 more occupied grid squares and 10 more occurrences in protected areas, the calculated rank would be S4. I (Michael Russell) have seen several undocumented occurrences in the Oregon cascades. It is reasonable to assume that those undocumented occurrences exist so I gave this species an S4 ranking.

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

Comments: Around 97,000 sq. km.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** D = 81 - 300

Comments: Norvell 2002 says "Current databases (ISMS, OSC, DAVFP, BPI and Castellano 1999, Norvell 1995) indicate that there have been at least 150 occurrences documented from Oregon." Still around that, some seem to be close together, however, and potentially not unique occurrences, but still over 81 to be in this category.

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

Comments: High end of this range, maybe around 115 grid cells.

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

Comments: None in protected areas, however, there are a number of locations that have been collected from many times.

**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:

Logging or other forest loss threatens this species. 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:**

<b>Rank Prefixes</b>	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
<b>Rank Values</b>	
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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