

## Conservation Status Assessment

**Scientific Name:** *Choiromyces alveolatus*

**Classification:** Fungus

**Assessment area:** Global

**Heritage Rank:** **G2G3**

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

Rank Reasons: Limited number of occurrences, only on the west coast of the United States. Limited protection.

**Range Extent:** G = 200,000-2,500,000 sq km (~80,000-1,000,000 sq mi)

Comments: Around 695,000 sq. km. Found on the west coast of the United States. Found in Washington, Oregon, California, Utah, Idaho. One Mexico occurrence, but the GPS coordinates associated with it actually place in in CA so Mexico is not included here.

**Population Size:** Not assessed

Comments: None

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

Comments: Low end of this, around 22-24 occurrences.

**Area of Occupancy:** D = 6-25 4-km<sup>2</sup> grid cells

Comments: Around 22 occurrences, a few cover more than one grid cell but this is only due to uncertainty of location.

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

Comments: One occurrence in Mount Rainier National Park, a couple on the very edge of wilderness areas.

**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:

Only one of the 22 occurrences is in a protected area. If the unprotected sites are logged on a 40 year rotation, about 24% would be affected in 10 years and up to 95% in 100 years. Weber in 2002 said "Because of the apparently limited number of sites for this species and their occurrence in areas of National Forests not protected from ground disturbing activities, e.g., logging, mining, construction, a significant portion of the known sites could be adversely affected by human activity in the foreseeable future."

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

**Calculated Rank:** G3

**Rank Author:** Caitlin Lawrence

**Rank Reviewer:** Matt Trappe

**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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