

## Conservation Status Assessment

**Scientific Name:** *Dermocybe humboldtensis*

**Classification:** Fungus

**Assessment area:** Global

**Heritage Rank:** **G1G2**

**Rank Date:** 8/27/2018

Rank Reasons: Only 3 occurrences in California, two Oregon sites are presumed extirpated. A good species, refer to Cortinarius humboldtensis Ammirati & A.H. Sm. (1977) [Dermocybe polyphyletic & not molecularly supported.] Harrower & al. (2011) molecularly support occurrence of species in BC, suggesting a wider distribution than previously recognized. (Harrower, Emma; Ammirati, Joseph F.; Cappuccino, Adam A.; Ceska, Oldriska; Kranabetter, J.M.; Kroeger, Paul; Lim, SeaRa; Taylor, Terry; Berbee, Mary L. 2011. Cortinarius species diversity in British Columbia and molecular phylogenetic comparison with European specimen sequences Botany 89: 799–810. )

**Range Extent:** D = 1,000-5,000 sq km (~400-2,000 sq mi)

Comments: A couple extirpated occurrences in southwestern Oregon and a couple in northwestern California.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** A = 1 - 5

Comments: 3 known occurrences in California. Two presumed extirpated sites in Oregon.

**Area of Occupancy:** C = 3-5 4-km<sup>2</sup> grid cells

Comments: None

**Good Viability:** A = No occurrences with excellent or good (A or B) viability or ecological integrity

Comments: One presumed extirpated occurrence in Irwin Rocks Research Natural Area.

**Environmental Sensitivity:** Not Evaluated

Comments: None

**Short Term Trends:** Not Evaluated

Comments: None

**Long Term Trends:** Not Evaluated

Comments: None

**Threat Impact:** BC = High - Medium

**Comments:**

Norvell in 2002 assessment said: "DEHU4 is restricted to the Pacific coast region where it is symbiotically associated with Pinus on stable dunes in California. Whatever threatens the mycorrhizal partners or the dunes threatens DEHU4: natural catastrophes (hot fires) and/or human interference with the natural habitat (road construction or other development, off-road vehicular traffic, and logging activities) (Norvell pers. comm. 2002)." One occurrence in a natural area, and another maybe in a riparian reserve. Medium-high threat.

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

**Calculated Rank:** S1S2

**Rank Author:** Caitlin Lawrence; Scot Loring; Lindsey Wise  
**Rank Reviewer:** Lindsey Wise; Scot Loring

**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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