

Conservation Status Assessment

Scientific Name: *Cortinarius umidicola*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G2?**

Rank Date: 3/9/2017

Rank Reasons: There are around 20 or so occurrences across North America, however the current status of many of them is unknown. Harrower & al. (2011) note that application of European names (here previously *C. canabarra*) to western North American material is ill advised. (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: G = 200,000-2,500,000 sq km (~80,000-1,000,000 sq mi)

Comments: Found in North America, not sure if it is in Europe.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: At least 20 occurrences. Many are older occurrences and the current status of them is unknown.

Area of Occupancy: DE = 6-125 4-km² grid cells

Comments: At least 20 occurrences in 20 grid cells, but possibly more.

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

Comments: At least two occurrences in protected areas: Temagami Forest Reserve, Mount Rainier National Park

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:

From 2002 assessment Norvell said "COUM3 is known from subalpine coniferous forests, where it is symbiotic with *Picea engelmannii* and *Abies lasiocarpa*. The habitat is regarded as generally fragile and requires a long time to rebound from disturbances such as hot fires, road construction or other development, or logging activities. This implies that disturbed populations of *Cortinarius umidicola* with its mycorrhizal associates could well extirpate the species at that location. (Norvell 2002 pers. comm.). Dr Joe Ammirati and/or Dr Michelle Seidl of the U of Washington should be contacted for additional information on COUM3." The current status of many is unknown though, so assessing current threat status is difficult.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G2?

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/>