

Conservation Status Assessment

Scientific Name: *Rubroboletus pulcherrimus*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G3**

Rank Date: 3/9/2017

Rank Reasons: Fair number of occurrences, some in protected areas. A few new occurrences since the 2002 assessments, some in the same areas. S. Loring says "The range I am familiar with is roughly the Rockies and west; I was not aware of the occurrence in the eastern US (Virginia) shown in the supplied (No Suggestions) data. Bessette et al (2000) do not mention the Virginia occurrence, stating the range of the species to include "BC south to CA and along the Rocky Mts into New Mexico". Omitting the Virginia occurrence gives a range factor of G, the factor that was used to calculate the assigned rank of G3."

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

Comments: Approximately 1,800,000 sq. km. One occurrence from Virginia would make the range category H, however that is the only occurrence not on the west coast so is not included. Occurs across the west coast, including WA, OR, CA, one in Arizona, one in New Mexico

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: Around 45 occurrences. Camacho 2002 says "Although there are 45 collections of this species there are only 10 known sites. This is a large mushroom. Not easily overlooked by mushroomers. However, it is not easy to identify. There are several look-a-likes that only the careful eye distinguish between. The few years I worked at the Eugene Mushroom show this species was present every year."

Area of Occupancy: E = 26-125 4-km² grid cells

Comments: Around 55 grid cells occupied.

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

Comments: Found in Mount Rainier National Park, Floras Lake State Natural Area, Azalea State Park, Van Damme State Park, Russian Gulch State Park

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:

Around 5 of 45 occurrences in protected areas. If the unprotected areas are logged on a 40 year rotation, about 22% would be affected in 10 years and 88% in 0010 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G3

Rank Author: Caitlin Lawrence

Rank Reviewer: Scot Loring

References:

Arora, D. & N. Siegel & J.L. Frank. 2015. Index Fungorum 248:1.

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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