

Conservation Status Assessment

Scientific Name: *Dendrocollybia racemosa*

Classification: Fungus

Assessment area: Washington

Heritage Rank: **S3**

Rank Date: 3/9/2017

Rank Reasons: Found throughout most of the state, though not too many collections, and threats are uncertain.

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

Comments: Around 69,000 sq. km. A few occurrences but ranges most of the state.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: Around 18 occurrences.

Area of Occupancy: D = 6-25 4-km² grid cells

Comments: Around 20 occupied grid cells.

Good Viability: D = Some (13-40) occurrences with excellent or good viability or ecological integrity

Comments: Around 7 occurrences are found in protected areas.

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:

Ranked unknown because I am not confident in the ranking. Norvell 2002 said "Collection data are sparse and occurrences too spotty and rare to predict what threats will imperil CORA16. Occurrences are dictated by the presence of the intended host (mushrooms of unknown identity) within forested areas. Presumably whatever threatens the intended host, general habitat, microclimates, and/or host's substrate or symbiotic partner will likewise imperil CORA16. Other threats include incidental catastrophic events (wildfires), road construction, development, and heavy logging activities (Norvell pers. comm. 2002)." However, medium or unknown result in the same ranking for the state.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

Rank Author: Caitlin Lawrence

Rank Reviewer: Lorelei Norvell

References:

Norvell, Lorelei L. 2002. Heritage rank status factors. Assessment for Survey and Manage Project, on-line: http://orbic.pdx.edu/documents/survey/collybia_racemosa_global.pdf
 Hughes, Karen W.; Petersen, Ronald H.; Johnson, James E.; Moncalvo, Jean-Marc; Vilgalys, Rytas; Redhead, Scott A.; Thomas, Tiffany; McGhee, Laura L. 2001. Infragenic phylogeny of *Collybia* s. str. based on sequences of ribosomal ITS and LSU regions. *Mycology Research* 105(2): 164-172.

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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