

Conservation Status Assessment

Scientific Name: *Dendrocollybia racemosa*

Classification: Fungus

Assessment area: California

Heritage Rank: **S2**

Rank Date: 3/9/2017

Rank Reasons: Fair number of occurrences and range, but threats relatively unknown and only 3 occurrences in protected areas.

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

Comments: Around 95,000 sq. km. Found in Northern California.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: Around 33 occurrences.

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

Comments: Around 36 occupied grid cells.

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

Comments: Three occurrences are in protected areas. One each in Van Damme State Park, Redwood National and State Parks, Jedidiah Smith Redwoods State 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:

Norvell 2002: 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).

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

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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