

## Conservation Status Assessment

**Scientific Name:** *Galerina heterocystis*

**Classification:** Fungus

**Assessment area:** California

**Heritage Rank:** **S2S3**

**Rank Date:** 3/9/2017

Rank Reasons: S2S3 rank as a result of the possible taxonomic uncertainty. At least 17 known occurrences in California. L. Norvell says "Desjardin & al. (2014) and Siegel & Schwarz refer to *G. semilanceata*, and consider 'heterocystis' and 'clavata' a misapplication. See global note, where Gulden (2010) refers the taxon instead to *G. subclavata*. Both species may occur!" (Desjardin, Dennis E.; Wood, Michael G.; Stevens, Frederick A. 2015. California mushrooms: the comprehensive identification guide. Timber Press, Portland OR. 559 p. ; Siegel, Noah; Schwarz, Christian. 2016. Mushrooms of the redwood Coast. Ten Speed Press, Berkeley. 602 p. ; Gulden, Gro. 2010. Galerinas in cold climates. North American Fungi 5(5): 125–157. )

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

Comments: Around 88,000 sq. km range. Found in northern California.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** BC = 6 - 80

Comments: About 17 occurrences of "*Galerina heterocystis*" and 6 additional of "*Galerina clavata*" which is the same species according to Index Fungorum. Ranked as a range due to the potential taxonomic uncertainty.

**Area of Occupancy:** D = 6-25 4-km<sup>2</sup> grid cells

Comments: Around 20-25 occupied grid cells.

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

Comments: One occurrence in Marble Mountain Wilderness and one in Big Basin 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:** C = Medium

Comments:

Around 2 of the 23 occurrences are located in protected areas. The others could be threatened by logging or other development.

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

**Calculated Rank:** S2S3

**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>

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