

Conservation Status Assessment

Scientific Name: *Zelleromyces papyraceus*

Classification: Fungus

Assessment area: California

Heritage Rank: **S1**

Rank Date: 12/9/2016

Assigned Rank Comments: None.

Range Extent: AB = <100-250 sq km (< ~40 to 100 sq miles)

Comments: Records of this species are restricted to Redwood forests of Humboldt County, California. Mycoportal.org lists two collections in the NYU herbarium from Spruce Cove (near Trinidad). Castellano, et, al. lists a second collection near Fern Canyon (near Orrick) (Castellano, M.A., Smith, J.A., O'Dell, T., Cazares, E., and Nugent, S. 1999. Handbook to Strategy 1 Fungal Species in the Northwest Forest Plan. Portland, Oregon: USDA Forest Service, PNWRS PNW-GTR-476)

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are two known occurrences in California.

Area of Occupancy: B = 2 4-km² grid cells

Comments: This species occupies 2 grid squares in California.

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

Comments: Both sites are in Redwood National and State Parks.

Environmental Sensitivity: A = Very narrow. Specialist or community with key requirements scarce

Comments: Found with *Sequoia sempervirens*.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: D = Low

Comments:

Both sites are protected by the Park service and in environmentally stable coast redwood forests.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S1

Rank Author: Michael Russell

Rank Reviewer: Michael Russell

References:

Trappe, J.M.; Lebel, T. & Castellano, M.A. 2002. Nomenclatural revisions in the sequestrate russuloid genera. Mycotaxon 81:195-214.

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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