

## Conservation Status Assessment

**Scientific Name:** *Zelleromyces papyraceus*

**Classification:** Fungus

**Assessment area:** Global

**Heritage Rank:** **G1**

**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.

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

Comments: This species occupies 2 grid squares across its range.

**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:** G1

**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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