

Conservation Status Assessment

Scientific Name: *Neolentinus kauffmanii*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S3**

Rank Date: 12/8/2016

Assigned Rank Comments: None.

Rank Adjustment Notes: 4 more occupied grid squares with the same range and threat impact score would increase the ranking from S2 to S3. To increase the ranking to S4 there would need to be over 100 additional occupied grid squares and at least 37 more occurrences in protected areas. It is likely that there are 4 undiscovered sites so I adjusted the rank to S3.

Range Extent: E = 5,000-20,000 sq km (~2,000-8,000 sq mi)

Comments: The Oregon Range is 14,856 sq. km. It includes sites along the coast and in the west part of the Coast range. There is also a single collection that has Eugene listed as its location.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are 16 known occurrences in Oregon.

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

Comments: This species occupies 21 grid squares in Oregon.

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

Comments: 3 sites are in Oregon State Parks

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

Comments: This species is a saprotrophic (or possibly slow growing parasite) of living and dead spruce trees.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Approximately 75% of the sites are not in protected areas. If those sites are logged on a 40 year rotation, around 18% of all sites would be impacted over 10 years and around 75% would be impacted over 100 years.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

Rank Author: Michael Russell

Rank Reviewer: Michael Russell

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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