

Conservation Status Assessment

Scientific Name: *Neolentinus adhaerens*

Classification: Fungus

Assessment area: Washington

Heritage Rank: **S2**

Rank Date: 12/8/2016

Rank Reasons: If the threat impact score is not included and only the Olympic Peninsula populations are included in the Range estimate, the score would be an S1. If the Threat Impact score of medium is included, or the Pierce County site is included in the range estimate, the ranking would be S2. If the Threat impact score is low, the ranking would be S3. I chose S2 because the sites are generally secure and the range may be larger than what I estimated in the calculator.

Range Extent: AD = <100-5000 sq km (< ~40-2000 sq miles)

Comments: The Washington range is 62 sq. km There are 4 sites within about 53 km in the Olympic Peninsula. There is another record from the Cascades of Pierce County, but L. Norvell , in the 2002 ranking, stated that the location of that collection as cited in a report she made in 1998 was in error. However the collection is in the University of Washington Herbarium and an image is available in the Mycoportal.org website. In the image there is a label stating that L. Norvell identified it as N. adhaerens and the original collection label stating that the collection was made in Washington at the Dalles Recreation Area by D. E. Stuntz in 1942. There is a Dalles Campground and a Dalles Ridge trail in Pierce County, Washington. If the Peirce County site is included, the range is 2,555,sq. km.

Population Size: Not assessed

Comments: None

Number of Occurrences: AB = 1 - 20

Comments: Including the questionable occurrence from Pierce county, there are 6 occurrences in Washington

Area of Occupancy: CD = 3-25 4-km² grid cells

Comments: This species occupies 5 grid squares in Washington. This increases to 6 grid squares if the Pierce County site is valid.

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: Four occurrences are in Olympic National Park

Environmental Sensitivity: AB = Very narrow to narrow

Comments: This is a saprotroph producing brown cubical rot of wood of conifers.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:
2 of the 5 occurrences are not in protected areas and could be impacted by logging. The four occurrences in the Olympic national park are within 10 km and could be conceivably be impacted by a single wildfire.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2?

Rank Author: Michael Russell; Lindsey Wise
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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