

Conservation Status Assessment

Scientific Name: *Hypomyces luteovirens*

Classification: Fungus

Assessment area: Washington

Heritage Rank: **S2**

Rank Date: 11/28/2016

Assigned Rank Comments: None.

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

Comments: The Washington range is 21,479 sq. km and includes sites in the San Juan islands, the length of the Cascades range, and the Puget trough.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are 12 occurrences in Washington and there may be an additional 2 based on herbarium collections with imprecise location information.

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

Comments: There are at least 12 grid squares occupied by this species in Washington. There are an additional 2 herbarium collections that do not have precise location information and may be in new grid squares.

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

Comments: Three sites are in National parks or wilderness areas, an additional historic site is in a Seattle city park.

Environmental Sensitivity: B = Narrow. Specialist or community with key requirements common

Comments: This species is a parasite of other mushrooms in the Genera Russula and Lactarius. Those generas are diverse, widespread and common as mycorrhizae in many types of forest around Washington.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Around 75% of the sites in Washington are not in permanently protected areas. If those sites are logged on a 40 year rotation about 19% would be impacted over 10 years and about 75% would be impacted over 100 years. An additional 2 sites are in King county and are at risk from residential development.

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:

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| 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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