

Conservation Status Assessment

Scientific Name: *Asterophora lycoperdoides*

Classification: Fungus

Assessment area: Washington

Heritage Rank: **S2S3**

Rank Date: 3/9/2017

Rank Reasons: Only the two recent Mount Rainier collections are in a protected area. Many other collections are older, and overall not too common in Washington. Might be more common though, as it is small and potentially overlooked - could be S3. S. Loring says "There is an additional record for Mt Rainier NP (Ohanapecoh) by Jim Trappe, which was not included in the rank assessments. There is an another additional site in S/M records just south of Mt St Helens (557667E/5104974N NAD83). Measuring a new WA range polygon including these two sites, comes to just over 31500km square, changing the Range Extent factor to "f" from "e", but this does not change the previously assigned S2 rank in the NatureServe calculator."

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

Comments: About 17,000 sq. km, probably a little larger with some of the (No Suggestions) occurrences that do not list exact location.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: Around 17 occurrences, some old, but Mt Rainier occurrence very recent.

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

Comments: Around 17 occurrences, each in usually 1 grid cell.

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

Comments: One or two in Mount Rainier National Park, occurrences from 2014.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: CD = Medium - Low

Comments:

Camacho 2002 rated as low: "This species is dependent on a group of mushrooms that are dependent on their mycorrhizal host tree." However, hard to assess, many old occurrences and only a few seem to be protected. Sites may be at risk if logging, maybe medium threat.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2S3

Rank Author: Caitlin Lawrence

Rank Reviewer: Scot Loring

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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