

Conservation Status Assessment

Scientific Name: *Endogone oregonensis*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G2**

Rank Date: 3/9/2017

Rank Reasons: Only known from around 5 occurrences all in Oregon.

Range Extent: D = 1,000-5,000 sq km (~400-2,000 sq mi)

Comments: Around 3,000 sq. km range. Found only in Oregon in Polk, Lincoln, Benton, and Douglas counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: 5 occurrences.

Area of Occupancy: C = 3-5 4-km² grid cells

Comments: 5 occurrences in 5 grid cells.

Good Viability: A = No occurrences with excellent or good (A or B) viability or ecological integrity

Comments: None of the occurrences are in protected areas.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

From 2002 assessment Camacho said : "This is a mycorrhizal species it is dependent on a host tree for its carbohydrates. Studies have shown that if the tree is killed the mycorrhizal fungi die shortly after. The one possibly saving feature of this species it the spore bank. However, nothing is known about the spore bank of this species." Some of the occurrences are older occurrences, however Camacho also said "This fungus is known from 8 sites in Oregon. However, it is very small, hypogenous and easily overlooked. All of these sites are with in the areas that are well characterized for truffles. It is unclear how much further the range of this species extends."

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G2

Rank Author: Caitlin Lawrence

Rank Reviewer: Matt Trappe

References:

Castellano, Michael, Jane E. Smith, Thom O'Dell, Efren Cazares, and Susan Nugent. 1999. Handbook to strategy 1 fungal taxa from the Northwest Forest Plan. Gen. Tech. Rep. PNW-GTR-476. U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR. 195 pp.

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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