

Conservation Status Assessment

Scientific Name: *Alpova olivaceotinctus*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G2**

Rank Date: 3/9/2017

Assigned Rank Reasons: Low number of occurrences and none since 1994.

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

Comments: West coast only, Oregon and California. One additional occurrence from Mexico was excluded because no date or specific coordinates and very little info provided. Range approximately 37,000 sq. km.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: From Camacho 2002: "This fungus is known from 5 sites and 7 collections. It does not occur in the area of highest truffling and may be more abundant than currently known. Most collections are in the Northern California region except one disjunct collection in Southern California. However, no collections are found in the Sierra Nevada of Fresno County in an area that has been well truffled." No collections since 1998.

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

Comments: 7 occurrences, a few of which cover more than one grid cell.

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

Comments: None of the collections appear to be in protected areas, and all occurrences are from 1994 or before.

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:

No protected occurrences, therefore on a 40 year logging rotation, 25% would be affected in 10 years and potentially 100% in 100 years. From Camacho 2002: "This is a mycorrhizal species that 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 is the spore bank. However, nothing is known about the spore bank of this species."

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G2

Rank Author: Caitlin Lawrence

Rank Reviewer: Matt Trappe

References:

Camacho, Francisco J. 2002. Heritage rank status factors. Assessment for Survey and Manage Project, online: http://orbic.pdx.edu/documents/survey/alpova_olivaceotinctus_global.pdf
 Castellano, Michael, Jane E. Smith, Thom O'Dell, Efen 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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