

Conservation Status Assessment

Scientific Name: *Tuber pacificum*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G1**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

Rank Adjustment Notes: This is a rare species with only 4 known sites.

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

Comments: The range of this species is 3,393 sq. km. There are sites near the Oregon Coast at Cape Kiwanda in Tillamook County, along the Van Duzer corridor in Polk County, at the Cummings Creek trail head in Lane County, and south of Bandon in Coos County.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are 4 known occurrences of this species across its range.

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

Comments: This species occupies 4 grid squares across its range.

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

Comments: 3 of the 4 sites are in state parks or wilderness areas.

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

Comments: A hypogeous, mycorrhizal, truffle species.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Tuber are highly sought after edible species (Truffles). Harvesting based on the best management practices is expected to have minimal negative effect on the long term survival of the organism. However some harvesters use a raking method that is thought to damage the mycelium and could threaten the survival of this species. All of the sites could be threatened by improper harvesting methods. One of the sites may be threatened by timber harvest.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G2

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Rank Reviewer: Matt Trappe

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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