

Conservation Status Assessment

Scientific Name: *Tuber asa*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S2**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

Range Extent: C = 250-1,000 sq km (~100-400 sq mi)

Comments: The Oregon range is about 900 sq. km. There are three records. Two sites in the agency database in the east coast range of Benton and Lane Counties. One site is mentioned in Castellano, et al. (1999) and is at the summit of Hwy 101 in the Cascade Head Experimental Forest in Tillamook County, Oregon.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are three known occurrences in Oregon.

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

Comments: This species occupies 3 grid squares in Oregon.

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

Comments: No occurrences are in permanently protected 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. All of the sites could be threatened by timber harvest as well.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S2

Rank Author: Michael Russell

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:

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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>

Oregon Biodiversity Information Center, Institute for Natural Resources

Oregon State University and Portland State University

Mail Stop: INR, P.O. Box 751

Portland, OR 97207-0751

(503)-725-9950

<http://inr.oregonstate.edu/orbic>

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