

Conservation Status Assessment

Scientific Name: *Rhizopogon atroviolaceus*

Classification: Fungus

Assessment area: Oregon

Heritage Rank: **S3**

Rank Date: 1/10/2017

Assigned Rank Comments: None.

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

Comments: The Oregon range is 7,769 sq. km. There are sites in the Cascades of Clackamas, Linn, Deschutes, Douglas, and Klamath counties.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are 15 known occurrences in Oregon.

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

Comments: This species occupies 15 grid squares in Oregon.

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: 8 occurrences are in wilderness areas, the Oregon Cascades Recreation Area, or Crater Lake National Park.

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

Comments: A hypogenous mycorrhizal species.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

7 of 15 occurrences may be threatened by timber harvest

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S3

Rank Author: Michael Russell

Rank Reviewer: Michael Russell

References:

Camacho, Francisco. 2002. Heritage rank status factors. Assessment for Survey and Manage Project, on-line: http://orbic.pdx.edu/documents/survey/rhizopogon_atroviolaceus_global.pdf.

Smith, A.H. and S.M. Zeller. 1966. Memoirs of the New York Botanical Garden: 14(2): 1-178.

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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