

Conservation Status Assessment

Scientific Name: *Rhizopogon atroviolaceus*

Classification: Fungus

Assessment area: California

Heritage Rank: **S1**

Rank Date: 1/10/2017

Assigned Rank Comments: None.

Range Extent: BC = 100-1000 sq km (~40-400 sq miles)

Comments: There are two California sites about 266 km apart. One is in the eastern Siskiyou Mountains of Siskiyou County, and the other is near the coast in Sonoma County.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are 2 known occurrences in California.

Area of Occupancy: B = 2 4-km² grid cells

Comments: This species occupies 2 grid squares in California.

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

Comments: One occurrence is in Lassen National Park, the other is in Salt Springs State 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: D = Low

Comments:

Both sites are protected from timber harvest, but one could be threatened by wildfire or volcanic activity and the other could be threatened by a tsunami.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S1

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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