

Heritage Ranking Form - Global Rank

Scientific Name: Martellia medlockii

Common Name: Fungus

Classification: Fungus

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

Comments: 1451 sq. mi. Oregon endemic. Area measured is the intersection of Linn County and West Cascades Ecoregion. It was surmised by Trappe and Castellano (1986) that this fungi could possibly occur in the eastern part of the state and at higher elevations where Pinus contorta (lodgepole pine) is found and for which studies show it to be an ectomycorrhizal associate.

Area of Occupancy: A = 1 4-km² grid cell

Comments: 1 grid cell, 1 site

Number of Occurrences: A = 1 - 5

Comments: 1 site

Population Size: U = Unknown

Comments: None

Good Viability: U = Unknown

Comments: None

Environmental

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

Comments: Although found hypogeous under Pseudotsuga menziesii (Douglas-fir) and Tsuga heterophylla (western hemlock), studies show it forming ectomycorrhizae with Pinus contorta and western hemlock but not with Doug fir (Trappe and Castellano 1986).

Short Term Trends: U = Unknown

Comments: None

Long Term Trends: U = Unknown

Comments: None

Threat Impact: C = Medium

Comments: Only known site grows in low elevation forest, under Doug fir and western hemlock, in areas where logging activities have occurred.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: G1

Comments: Only known from 1 site but could possibly be found in other areas. Studies show that it can develop mycorrhizae with *Pinus contorta* (lodgepole pine)

Rank Notes: None

Reference: Trappe, J.M. and M.A. Castellano. 1986. Newly described hypogeous fungi and the mycorrhizae they form in vitro I. *Martellia medlockii* sp. nov. (Russulaceae). *Mycologia* 78(6): 918-921.

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