

Heritage Ranking Form - State Rank

Scientific Name: *Genea compacta*

Common Name: Fungus

Classification: Fungus

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

Comments: 970 square miles. Area measured is intersection of Polk and Yamhill counties with Willamette Valley ecoregions

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

Comments: 2 grid cells; 2 sites

Number of Occurrences: A = 1 - 5

Comments: 2 occurrences known

Population Size: U = Unknown

Comments: None

Good Viability: U = Unknown

Comments: No details provided on sites

Environmental

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

Comments: Mycorrhizal but host unknown (Trappe et al. 2009). Reported growing under *Pseudotsuga menziesii* and *Quercus garryana*

Short Term Trends: U = Unknown

Comments: None

Long Term Trends: U = Unknown

Comments: None

Threat Impact: U = Unknown

Comments: None

**Intrinsic
Vulnerability:** Not Evaluated

Comments: None

Heritage Rank: S1

Comments: Only known from 2 sites, in 2 counties. Reported at one site as gregarious under oak and Douglas fir

Rank Notes: None

Reference: Trappe, J.M., R. Molina, D.L. Luoma, E. Cazares, D. Pilz, J.E. Smith, M.A Castellano, S.L. Miller, and M.J. Trappe. 2009. Diversity, ecology and conservation of truffle fungi in forests of the Pacific Northwest. USDA Forest Service PNW Research Sta. General Technical Report PNW-GTR-772. 196 pp. | Smith, M.E., J.M. Trappe, and D.M. Rizzo. 2006. *Genea*, *Genabea* and *Gilkeya* gen. nov.; ascomata and ectomycorrhiza formation in a *Quercus* woodland. *Mycologia* 98(5): 699-716. | Parks, Harold E. 1921. California hypogaeous fungi -- tuberaceae. *Mycologia* 13(6): 301-314

Rank Date: 6/9/2010

Rank Author: Vrilakas, Sue

Oregon Biodiversity Information Center
Institute for Natural Resources
Portland State University
Mail Stop: INR, PO Box 751
Portland, OR 97207-0751
503-725-9950
www.orbic.pdx.edu