

Washington Status Factors

Elcode NFSM000029

Gname CLAVARIADELPHUS SUBFASTIGIATUS

Gcomname

Number of Occurrences

A = 1 - 5

Comments Daniel Stuntz collected the only record from Snoqualmie Pass, Washington in October 28, 1968.

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments Unknown forest management activities in this site.

Population Size

A = 1-50 individuals

Comments

Range Extent

D = 1,000-5,000 km² (about 400-2,000 square miles)

Comments Only known from one location in Washington (Snoqualmie Pass-1968).

Area of Occupancy

A = <0.4 km² (less than about 100 acres)

LA = <4 km (less than about 2.5 miles)

Comments

Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Long-term trend in population, range, area occupied, or number or condition of occurrences unknown

Comments

Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Short-term trend in population, range, area occupied, and number and condition of occurrences unknown.

Comments

Threats

C = Substantial, non-imminent threat. Threat is moderate to severe but not imminent (> 10 years) for most of the population, occurrences, or area.

Scope High

Severity High

Immediacy Unknown

Comments This is a mycorrhizal species susceptible to logging activities.

Number of Appropriately Protected and Managed Occurrences

U = Unknown whether any occurrences are appropriately protected and managed

Comments Unknown forest management activities at this site.

Intrinsic Vulnerability

A = Highly Vulnerable. Species is slow to mature, reproduces infrequently, and/or has low fecundity such that populations are very slow (> 20 years or 5 generations) to recover from decreases in abundance; or species has low dispersal capability such that extirpated populations are unlikely to become reestablished through natural recolonization (unaided by humans). Ecological community occurrences are highly susceptible to changes in composition and structure that rarely if ever are reversed through natural processes even over substantial time periods (> 100 years).

Comments This is a mycorrhizal species.

Environmental Specificity

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

Comments Mycorrhizal species

Other Considerations

Edition 11/12/2002 **Edauthor** Efren Cazares

Grank S1? **Grank Date** 11/12/2002

Reasons

This species is rare in Washington. It is only known from one location in the state. Also, this is a mycorrhizal species vulnerable to logging activities. Additional surveys of the locality where this species was recorded, to determine its presence and to do an environmental assessment, could provide more insights about the vulnerability of this species and even change the rank to S1.

BCD Sources

Castellano, M.A., E. Cazares, B. Fondrick and T. Dreisbach. 2002. Handbook to additional fungal species of special concern in the Northwest Forest Plan. Gen. Tech. Rep. PNW-GTR-xxx. Portland, OR; U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. xxx p. (In press)& Methven, A.S. 1990. The genus *Clavariadelphus* in North America. *Bibliotheca Mycologica*. J. Cramer. pp 192.

New Sources