Heritage Rank Status Factors

Elcode NFSM000028

Gname CLAVARIADELPHUS SACHALINENSIS

Gcomname

Number of Occurrences

D = 81 - 300

Comments There are 183 reports worldwide.

Number of Occurrences with Good Viability

D = Some (13-40) occurrences with good viability

Comments Unknown condition of most of these sites, but we know that there are at least 13 occurrences in

protected sites within the range of the northern spotted owl.

Population Size

B = 50-250 individuals

Comments

Range Extent

H = > 2,500,000 km2 (greater than 1,000,000 square miles)

Comments

This species is widespread in Asia, Europe and northern North America. Methven (1990) reports 148 collections from Canada: British Columbia, Manitoba, Newfoundland, Ontario, Quebec, Yukon Territory; Japan: Tibet; Europe: Sweden; USA: Alaska, Colorado, Idaho, Maine, Michigan, Minnesota, Montana, New Hampshire, New Mexico, New York, Utah, Washington and Wisconsin. OHIC shows 35 records in its data base for CA, OR and WA.

Area of Occupancy

B = 0.4-4 km 2 (about 100-1,000 acres)

LB = 4-40 km (about 2.5-25 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.

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 associated with coniferous forests

Number of Appropriately Protected and Managed Occurrences

D = Many (13-40) occurrences appropriately protected and managed

Comments

Unknown forest management activities in most of the sites. This is a mycorrhizal species susceptible to logging activities. There are at least 13 occurrences in protected sites within the range of the northern spotted owl. Also, there are 2 populations in wilderness areas in Idaho and Michigan.

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 susceptible to logging activities.

Environmental Specificity

B = Narrow. Specialist or community with key requirements common.
 Comments Mycorrhizal species associated with coniferous forests

Other Considerations

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Greasons

This is a common species with a broad range worldwide. This species is widespread in Asia, Europe and northern North America. At least 13 out of 183 occurrences are in protected sites worldwide. These protected sites are all in the Pacific Northwest. We do not know the site conditions in the rest of the species range.

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)

Methyen, A.S. 1990. The genus Clavariadelphus in North America. Bibliotheca Mycologica. J. Cramer. pp 192.

New Sources