

## Heritage Rank Status Factors

**Elcode** NFSM000026  
**Gname** CLAVARIADELPHUS LIGULA  
**Gcomname** FUNGUS

### Number of Occurrences

D = 81 - 300

**Comments** There are 220 records worldwide examined by A.S. Methven 1990: 32 are from the range of the northern spotted owl and 48 records are from the OHIC database for the Pacific Northwest. So, there is a total of 80 records for the Pacific Northwest and 268 worldwide.

### Number of Occurrences with Good Viability

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

**Comments** Unknown status of many of these populations, however we know that at least there are 24 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 km<sup>2</sup> (greater than 1,000,000 square miles)

**Comments** Widespread in Europe and North America. Canada: British Columbia, Manitoba, New Brunswick, Nova Scotia, Ontario, Quebec; Europe:Czechoslovakia, England, Finland, Germany, Italy, Sweden, Switzerland;USA:California, Colorado, Idaho, Maine, Massachusetts, Michigan, Minesota, Montana, New Hampshire, New York, Oregon, Pennsylvania, Washington and Wyoming.

### Area of Occupancy

B = 0.4-4 km<sup>2</sup> (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.

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

### Number of Appropriately Protected and Managed Occurrences

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

Comments There are 24 occurrences in protected sites within the range of the northern spotted owl.

### 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

### Other Considerations

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

**Grank** G5 **Grank Date** 11/12/2002

### Reasons

Widespread in Europe and North America. Fairly common species. I believe this species is secure worldwide.

### 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