

# Oregon Status Factors

**Elcode** NF000GEFL5

**Gname** GELATINODISCUS FLAVIDUS

**Gcomname**

## Number of Occurrences

C = 21- 80

**Comments** This small yellow cup-fungus fruits on dead foliage of *Chamaecyparis nootkatensis* under or at the edge of snowbanks. In Oregon it is known from the Cascade, Siskiyou, and Aldrich mountains (OSC n.d., Carpenter 1976, Frenkle 1974, ISMS data). Few people have sought the species out so it is not surprising that the number of occurrences is small.

## Number of Occurrences with Good Viability

C = Few (4-12) occurrences with good viability

**Comments** Based on number of protected sites, each is considered an occurrence, more are out there but are not documented

## Population Size

U = Unknown

**Comments** This can not be determined; records reflect only species presence.

## Range Extent

F = 20,000-200,000 km<sup>2</sup> (about 8,000-80,000 square miles)

**Comments** Its known range in Oregon extends from roughly Iron Mountain in Linn Co. to Lamb Butte in Lane Co. and the Ashland Resource area at high elevations where *Chamaecyparis nootkatensis* is present, an outlying population of host and fungus was reported from the Aldrich Mountains. (Frenkel 1974, reference missing). It is to be expected throughout the range of its host.

## Area of Occupancy

U = Unknown

LU = Unknown

**Comments** The range of this species is that of the host in areas subject to heavy winter snows that result in large, slowly melting, spring snowbanks. There was not time to research the host's range; guess, the area occupied by the host is probably slightly larger or the same size as the range of this fungus.

## 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** Insufficient data, but if the host dies out, the fungus also may perish.

## 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** insufficient data, but if the host dies out, the fungus also may perish

## Threats

D = Moderate, non-imminent threat. Threat is moderate to severe but not imminent for a significant portion of the population, occurrences, or area.

**Scope** Moderate      **Severity** Moderate      **Immediacy** Low

**Comments** The threats to this species are the threats to its host. I'm not sure, but rather think that in most areas the host is not a highly valued timber species so logging may not be a major threat. Development of winter recreation sites, etc. in the range of the host could limit its populations.

## Number of Appropriately Protected and Managed Occurrences

C = Several (4-12) occurrences appropriately protected and managed

**Comments** Five protected sites are given in the ISMS: 2 in G1/2 areas, 3 in LSRs (protected at least for now in Oregon), and 1 in Matrix land which is not protected.

## Intrinsic Vulnerability

B = Moderately Vulnerable. Species exhibits moderate age of maturity, frequency of reproduction, and/or fecundity such that populations generally tend to recover from decreases in abundance over a period of several years (on the order of 5-20 years or 2-5 generations); or species has moderate dispersal capability such that extirpated populations generally become reestablished through natural recolonization (unaided by humans). Ecological community occurrences may be susceptible to changes in composition and structure but tend to recover through natural processes given reasonable time (10-100 years).

**Comments** The species is vulnerable to the extent the host is vulnerable.

## Environmental Specificity

A = Very Narrow. Specialist or community with key requirements scarce.

**Comments** This species fruits at or under the edges of retreating snow banks on the wet, dead foliage of *Chamaecyparis nootkatensis*.

## Other Considerations

ORNHIC List 3. The species was described from Washington and is most often found by mycologists who fall through the crust at the edge of snowbanks.

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## Reasons

This species is one of the snowbank fungi of the Pacific Northwest and is known only from this region to date. It occupies a specialized niche in that it fruits on the soaked, decaying foliage of *Chamaecyparis nootkatensis* at or under the edge of retreating snowbanks. Its range approximates that of its host. The paucity of documented sites is in part due to incomplete surveys in the likely areas it will occur.

## BCD Sources

## **New Sources**

Carpenter, S.E. 1976. Taxonomy, morphology and ontogeny of *Gelatinodiscus flavidus*. *Mycotaxon* 3: 209-232.

Frenkel 1974: still looking for the reference.

OSC n.d. Mycological Collections Oregon State University. Retrieved 2002.11. from <http://ocid.nacse.org/research/herbarium/myco/index.html>.