

# Washington Status Factors

**Elcode** NFSM000059  
**Gname** ENDOGONE ACROGENA  
**Gcomname**

## Number of Occurrences

A = 1 - 5

**Comments** Known from 3 sites.

## Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

**Comments**

## Population Size

A = 1-50 individuals

**Comments**

## Range Extent

E = 5,000-20,000 km<sup>2</sup> (about 2,000-8,000 square miles)

**Comments** Endemic to west central Washington.

## Area of Occupancy

A = <0.4 km<sup>2</sup> (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

B = Moderate and imminent threat. Threat is moderate to severe and imminent for a significant proportion (20-60%) of the population, occurrences, or area. Ecological community occurrences are directly impacted over a moderate area, either causing irreversible damage or requiring a long-term recovery.

Scope Moderate Severity Moderate Immediacy Moderate

**Comments** This is a mycorrhizal species; it is dependent on a host tree for its carbohydrates. Studies have shown that if the tree is killed the mycorrhizal fungi die shortly after. The one possibly saving feature of this species is the spore bank. However, nothing is known about the spore bank of this species.

## Number of Appropriately Protected and Managed Occurrences

B = Few (1-3) occurrences appropriately protected and managed

**Comments** One collection is from Olympic National Park and one collection is from Mount Rainier National Park.

## Intrinsic Vulnerability

U = Unknown

**Comments**

## Environmental Specificity

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

**Comments**

## Other Considerations

Currently a Washington Endemic.

**Edition** 11/11/2002 **Edauthor** Francisco J. Camacho

**Grank** S1S2 **Grank Date**

## Reasons

Endemic to west central Washington. This species is known from 3 sites. However, it is very small, hypogeous and easily overlooked.

## BCD Sources

## New Sources

Gerdemann, J.W., J.M. Trappe. 1974. The Endogonaceae in the Pacific Northwest. Mycol. Mem. 5:1-76.