

## Heritage Rank Status Factors

**Elcode** NFSM000103  
**Gname** MARTELLIA IDAHOENSIS

### **Gcomname**

### **Number of Occurrences**

A = 1 - 5

Comments

### **Number of Occurrences with Good Viability**

A = No (A- or B- ranked) occurrences with good viability

B = Very few (1-3) 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 Known from Oregon and Idaho.

### **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

E = Localized substantial threat. Threat is moderate to severe for a small but significant proportion of the population, occurrences, or area. Ecological community occurrences are directly impacted over a small area, or in a small portion of their range, but threats require a long-term recovery.

Scope Low

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**

## Intrinsic Vulnerability

U = Unknown

**Comments**

## Environmental Specificity

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

C = Moderate. Generalist or community with some key requirements scarce.

**Comments** Occurs in the Oregon Coast range, Cascades and Idaho.

## Other Considerations

NRANK - N2N4

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**Edauthor** Francisco J. Camacho

**Grank** G2G3

**Grank Date** 11/17/2002

## Reasons

This is only known from 4+ sites. It is in Upper Elevation Abies forest. In Oregon it has only been found surrounding the Willamette Valley. One of these sites is Marys Peak possibly one of the best truffle studied areas in the world. This species must be rare in this area. I am not clear how many times it has been collected in Idaho.

## BCD Sources

## New Sources

Singer, R., A.H. Smith. 1960. Studies on Secotiaceous fungi. IX. The astrogastraceous series. Mem. Torr. Bot. Club 21:1-112