

# California Status Factors

**Elcode** NFSM000010  
**Gname** ARCANGELIELLA LACTARIOIDES  
**Gcomname**

## Number of Occurrences

A = 1 - 5

**Comments** Known from 13 sites: 9 in actual or potential logging units on the Swain Mt. Experimental Forest in Lassen National Forest, Plumas County. An additional site was found in Mt. Lassen National Park in 2001. 3 additional sites are listed in the ISMS database.

## 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

D = 1,000-5,000 km<sup>2</sup> (about 400-2,000 square miles)

**Comments** Known from northeastern California.

## Area of Occupancy

A = <0.4 km<sup>2</sup> (less than about 100 acres)

B = 0.4-4 km<sup>2</sup> (about 100-1,000 acres)

LA = <4 km (less than about 2.5 miles)

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

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 site in Mt. Lassen National Park.

### Intrinsic Vulnerability

U = Unknown

Comments

### Environmental Specificity

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

Comments

### Other Considerations

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

**Grank** S2 **Grank Date** 11/11/2002

### Reasons

This species is found in 4 sites in northeastern California. This species appears to be found in sites that are rarely examined for truffles. This species is likely more common than we currently know.

### BCD Sources

### New Sources

Pegler, D.N., T.W.K. Young. 1979. The gastroid Russulales. Trans. Brit. Mycol. Soc. 72:353-388. Singer, R., A.H. Smith. 1960. Studies on Secotiaceous fungi. IX. The astrogastraceous series. Mem. Torr. Bot. Club 21:1-112