California Status Factors

**Elcode**
NFSM000073

**Gname**
GASTROSUILLUS AMARANTHII

**Gcomname**

**Number of Occurrences**

A = 1 - 5

Comments  Only Known from one site

**Number of Occurrences with Good Viability**

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

Comments  This fungus has been looked for and not found. The type site has apparently been disturbed.

**Population Size**

Z = Zero, no individuals known extant

Comments

**Range Extent**

A = <100 km² (less than about 40 square miles)

Comments  Only known from one site. Endemic to California.

**Area of Occupancy**

Z = Zero (no occurrences believed extant)

LZ = Zero (no occurrences believed extant)

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**

A = Substantial, imminent threat. Threat is moderate to severe and imminent for most (> 60%) of the population, occurrences, or area. Ecological community occurrences are directly impacted over a widespread area, either causing irreversible damage or requiring long term recovery.

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<th>Scope</th>
<th>Severity</th>
<th>Immediacy</th>
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<td>High</td>
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**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 shorty after. The one possibly saving feature of this species it the spore bank. However, nothing is known about the spore bank of this species.

**Number of Appropriately Protected and Managed Occurrences**

A = None. No occurrences appropriately protected and managed.

**Intrinsic Vulnerability**

U = Unknown

**Environmental Specificity**

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

**Other Considerations**

The current name for this genus is Suillus. This is part of a complex of closely related species that needs to be better examined to verify if it is a valid species.

**Edition** 11/12/2002  **Edauthor** Francisco J. Camacho

**Grank** SH  **Grank Date** 11/12/2002

**Greasons**

This species is only known from one site. The site has reportedly been disturbed and the species has not been relocated. There are several other collections of this genus (or more appropriately this group of species) and this is the only one with its particular characters. This appears to be a rare species. A more appropriate rank might be SHQ.

**BCD Sources**

**New Sources**