

California Status Factors

Elcode NFSM000074
Gname GASTROSUILLUS UMBRINUS
Gcomname

Number of Occurrences

A = 1 - 5

Comments Known from a single site.

Number of Occurrences with Good Viability

B = Very few (1-3) occurrences with good viability

Comments

Population Size

A = 1-50 individuals

Comments

Range Extent

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

Comments Only known from the California Siskiyou's.

Area of Occupancy

A = <0.4 km² (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

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

Comments Only known from one site.

Other Considerations

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

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Reasons

Only known from one site in the California Siskiyou's. 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.

BCD Sources

New Sources

Trappe, J.M., and Castellano, M.A. 2000. New sequestrate Ascomycota and Basidiomycota covered by the Northwest Forest Plan. *Mycotaxon* 75:153-179.