Heritage Rank 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 km 2 (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 mycorrizhal species; it is dependent on a host tree for its carbohydrates. Studies have shown that if the tree is killed the mycorrizhal fungi die shorty 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.

Edition 11/12/2002 Edauthor Francisco J. Camacho

Grank G1Q Grank Date 11/12/2002

Greasons

Only known from one site in the California Siskiyou's. There are several other collections of this genus (or more appropriately this group of speices) and this is the only one with its particular characters. Until more taxonomic work is done, this has to be assumed to be a very rare and endangered 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.