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 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 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 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.

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