California Status Factors

Elcode    NFSM000075
Gname     GAUTIERIA MAGNICELLARIS
Gcomname

Number of Occurrences
A  = 1 - 5
Comments  Only known from one site in California

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
Comments

Range Extent
A  = <100 km2 (less than about 40 square miles)
Comments  Only in one site in California

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 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
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 in one site in California

Other Considerations
The speciements in the Western U.S. are probably a different species, not G. magnicellaris, so it the taxonomy makes it impossible to rank the northwest species

Edition 11/12/2002 Edauthor Francisco J. Camacho
Grank SU Grank Date 11/12/2002

Greasons
Only in one site in California. However this is probably not an easy species to distinguish from other Gautieria species. In addition it is not an easy species to see because it is hypogeous. Due to the potential mis-identifications, this might also be considered to be an SU.

BCD Sources

New Sources