

Heritage Rank Status Factors

Elcode NFSM000147
Gname RAMARIA CYANEIGRANOSA
Gcomname

Number of Occurrences

C = 21- 80

Comments Known from 29 occurrences in PNW forests.

Number of Occurrences with Good Viability

D = Some (13-40) occurrences with good viability

Comments This is a mycorrhizal species associated to late successional forest (Douglas fir and western Hemlock). Susceptible to logging activities. Populations will be viable as long there is absence of logging. There are 17 occurrences in protected sites.

Population Size

A = 1-50 individuals

Comments

Range Extent

G = 200,000-2,500,000 km² (about 80,000-1,000,000 square miles)

Comments Endemic to the PNW. WA, OR and northern CA.

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

C = Substantial, non-imminent threat. Threat is moderate to severe but not imminent (> 10 years) for most of the population, occurrences, or area.

Scope High Severity High Immediacy Unknown

Comments

Number of Appropriately Protected and Managed Occurrences

Comments This is a mycorrhizal species associated to late successional forest (Douglas fir and western Hemlock). Susceptible to logging activities. Populations will be viable as long there is absence of logging. There are 17 occurrences in protected sites throughout its range.

Intrinsic Vulnerability

A = Highly Vulnerable. Species is slow to mature, reproduces infrequently, and/or has low fecundity such that populations are very slow (> 20 years or 5 generations) to recover from decreases in abundance; or species has low dispersal capability such that extirpated populations are unlikely to become reestablished through natural recolonization (unaided by humans). Ecological community occurrences are highly susceptible to changes in composition and structure that rarely if ever are reversed through natural processes even over substantial time periods (> 100 years).

Comments This is a mycorrhizal species that depends on its tree hosts.

Environmental Specificity

B = Narrow. Specialist or community with key requirements common.

Comments Mycorrhizal species associated to late successional forest of Douglas fir and Western Hemlock

Other Considerations

Nrank=N4

Edition 11/6/2002 **Edauthor** Efren Cazares

Grank G4 **Grank Date** 11/6/2002

Reasons

Known from 29 occurrences and endemic to PNW forests. This species is fairly protected and apparently common in the PNW. Mycorrhizal species associated to late successional forests in the PNW susceptible to logging activities. More studies are needed to determine its rarity or abundance in the PNW.

BCD Sources

Castellano, M.A., J.E. Smith, T. O'Dell, E. Cazares and S. Nugent. 1999. Handbook to Strategy 1 Fungal species in the Northwest Forest Plan. USDA, Forest Service Pacific Northwest Research Station, Portland, OR. GTR PNW-GTR-476.

Marr, C.D. & Stuntz, D.E. 1973. Ramaria of Western Washington. *Biblio. Mycol.* 38:1-232.

New Sources