

California Status Factors

Elcode NFSM000161

Gname RAMARIA STUNTZII

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Number of Occurrences

B = 6 - 20

Comments There are 6 records from northern CA.

Number of Occurrences with Good Viability

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

Comments This is a mycorrhizal species is commonly associated to late successional forests, however is been found in not so mature forests (80 yr stand). There are two populations that could be fairly viable.

Population Size

A = 1-50 individuals

Comments

Range Extent

F = 20,000-200,000 km² (about 8,000-80,000 square miles)

Comments Occurs in conifer forest of 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

B = Few (1-3) occurrences appropriately protected and managed

Comments Populations in wilderness areas or National Parks might be protected. There are 2 occurrences in protected sites.

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 susceptible to logging activities.

Environmental Specificity

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

Comments Mycorrhizal species

Other Considerations

Edition 11/10/2002 **Edauthor** Efren Cazares

Grank S1S2 **Grank Date** 11/10/2002

Greasons

There are only 2 out of 6 occurrences in portected sites. This is an endemic species to the PNW. Fairly common species throughout its range. More studies are needed to determine its rarity or abundance in CA. then its ranking should be re-evaluated.

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. and Stuntz, D.E. 1973. Ramaria of Western Washington. Biblio. Mycol. 38:1-232. Petersen, R.H. 1988.

New Sources