

Heritage Rank Status Factors

Elcode NFSM000019X
Gname CATATHELASMA VENTRICOSA
Gcomname Swollen-stalked Cat, Gray Cat

Number of Occurrences

B = 6 - 20

Comments Estimated number of occurrences is 20. The ISMS database contains 15 records: 7 in California, 5 in Oregon and 3 in Washington. The University of Michigan Fungal Bioinformatics Project database documents 5 sites in California, 1 in Oregon and 1 in Washington. It is unknown whether any of these sites is identical. Other areas where this species has been noted include Colorado, Maine and Wisconsin, USA; British Columbia and Nova Scotia, Canada; and possibly France and Italy.

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments Unknown.

Population Size

U = Unknown

Comments It is unknown how many individual organisms are located at each site of occurrence and there is no estimation as to how large each organism is and how many fruiting bodies it has.

Range Extent

H = > 2,500,000 km² (greater than 1,000,000 square miles)

Comments Estimated range greater than 1,000,000 square miles worldwide. Primarily found in conifer forests of mid-North America, from the west to the east coast (Washington/British Columbia to Maine/Nova Scotia), and possibly in France and Italy. Also found in Colorado and northern California.

Area of Occupancy

A = <0.4 km² (less than about 100 acres)

LA = <4 km (less than about 2.5 miles)

Comments It is unknown how many individual organisms are located at each site of occurrence and there is no estimation as to how large each organism is and how many fruiting bodies it has. However, if it is assumed that each occurrence occupies 1 square meter, then the estimated worldwide occupancy is 20 square meters (.005 acres).

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 Unknown.

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 Unknown.

Threats

F = Widespread, low-severity threat. Threat is of low severity but affects (or would affect) most or a significant portion of the population, occurrences, or area. Ecological community occurrences are not threatened severely, with changes reversible and recovery moderately rapid.

Scope	Moderate	Severity	Low	Immediacy	Low
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Comments Widespread, low-severity threat. Logging, road and trail construction, or other activities that destroy the conifers on which this species depends may threaten this species. Over-collecting of this apparently edible species may also threaten its survival.

Number of Appropriately Protected and Managed Occurrences

C = Several (4-12) occurrences appropriately protected and managed

Comments The ISMS database notes 1 protected occurrence each in Oregon and California and 2 protected occurrences in Washington, for a total of 4 protected occurrences.

Intrinsic Vulnerability

B = Moderately Vulnerable. Species exhibits moderate age of maturity, frequency of reproduction, and/or fecundity such that populations generally tend to recover from decreases in abundance over a period of several years (on the order of 5-20 years or 2-5 generations); or species has moderate dispersal capability such that extirpated populations generally become reestablished through natural recolonization (unaided by humans). Ecological community occurrences may be susceptible to changes in composition and structure but tend to recover through natural processes given reasonable time (10-100 years).

Comments Moderately vulnerable. Fruiting bodies are fairly robust.

Environmental Specificity

C = Moderate. Generalist or community with some key requirements scarce.

Comments Environmental specificity moderate. The major requirement appears to be a presense of conifers, particularly Picea.

Other Considerations

NRANK - N3N4. Few collections of this species have been documented, though photographs and descriptions of the species appear in foraging manuals and on websites. Several sources list the species as "widespread, but not common". However, because of a lack of formal collection and documentation, it is difficult to estimate the population size, viability and trends of this species.

Edition	11/27/2002	Edauthor	Hawes, Susan M.
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Greasons

Primarily found in conifer forests of mid-North America, from the west to the east coast (Washington/British

Columbia to Maine/Nova Scotia), and possibly in France and Italy. Also found in Colorado and northern California. Few collections of this species have been documented, though photographs and descriptions of the species appear in foraging manuals and on websites. Several sources list the species as "widespread, but not common". Estimated number of occurrences in the Pacific Northwest is 20. It is unknown how many individual organisms are located at each site of occurrence and there is no estimation as to how large each organism is and how many fruiting bodies it has. Estimated range greater than 1,000,000 square miles worldwide. Long-term and short-term trends unknown. Widespread, low-severity threat. There are 4 protected occurrences. Moderately vulnerable. Environmental specificity moderate.

BCD Sources

New Sources

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