

California Status Factors

Elcode NFSM000061
Gname ENTOLOMA NITIDUM
Gcomname

Number of Occurrences

A = 1 - 5

Comments The ISMS database contains 24 records. The ISMS map shows 3 sites in California. The Handbook to Strategy 1 Fungal Species in the Northwest Forest Plan notes 1 site in California. The sites noted in ISMS appear to be different from the site noted in the Handbook.

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments Unknown.

Population Size

A = 1-50 individuals

Comments As this species usually occurs as single sporocarps or in small groups, the population size was (very roughly and conservatively) estimated by determining the number of known occurrences and assuming that 3-10 specimens occur at each site. As potential habitat for this species appears to be quite widespread, the worldwide population size is probably much greater than that noted here.

Range Extent

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

Comments Estimated range is about 105,990 square kilometers (40, 924 square miles).

Area of Occupancy

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

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

Comments The occupancy is estimated to be about 4 square meters (.00099 acre), assuming that each noted occurrence occupies about 1 square meter. As potential habitat for this species appears to be widespread in comparison to the number of noted occurrences, the California occupancy is probably much greater than that noted here.

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

D = Moderate, non-imminent threat. Threat is moderate to severe but not imminent for a significant portion of the population, occurrences, or area.

Scope Moderate Severity Moderate Immediacy Low

Comments Threat is moderate, but not necessarily imminent, for those populations that are unprotected. Activities such as logging, road and trail construction, and others destroy the duff substrates under conifer and hardwood trees on which this species grows.

Number of Appropriately Protected and Managed Occurrences

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

Comments 2 sites are protected in California.

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 moderately large, with rather robust stems.

Environmental Specificity

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

Comments Key requirements for this species include duff under conifer or mixed conifer-hardwood forests.

Other Considerations

Has also been called *Rhodocybe nitida*. Few collections of this species have been documented in California. Because of this lack of information and the widespread possible habitat for this species in northern California, it is difficult to estimate the population size, viability and population trends of this species.

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Grank S1S3 Grank Date 11/26/2002

Reasons

Estimated number of occurrences is 4. Estimated range is about 105,990 square kilometers (40, 924 square miles). Key requirements for this species include duff under conifer or mixed conifer-hardwood forests. Long term and short-term trends unknown. Threat is moderate, but not necessarily imminent. 2 sites are protected in California. Moderately vulnerable. Narrow environmental specificity. Because of a lack of documented collections of this species and information about population size, and because of widespread possible habitat for this species in northern California, the guide for ranking poorly known species was used to assign the Grank.

BCD Sources

New Sources

Castellano, Michael A., J. E. Smith, T. O'Dell, E. Cazares & S. Nugent. 1999. Handbook to Strategy 1 Fungal Species in the Northwest Forest Plan. Gen. Tech. Rep. PNW-GTR-476. Portland, Oregon: United States Department of Agriculture, Forest Service, Pacific Northwest Research Station. 195 p.

USDA Forest Service, USDI Bureau of Land Management, USDI Fish and Wildlife Service. 2002. Interagency Species Management System [ISMS] database. Portland, Oregon. Snowarski, Marek.