

Heritage Rank Status Factors

Elcode NFSM000043
Gname CORTINARIUS SPECIOSISSIMUS
Gcomname

Number of Occurrences

C = 21- 80

Comments Known from southern BC Canada and WA state in North America. Circumboreal, all northern continents, fairly common in Europe.

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments Viability has not been checked.

Population Size

U = Unknown

Comments

Range Extent

D = 1,000-5,000 km² (about 400-2,000 square miles)

Comments Circumboreal, all northern continents, fairly common in Europe. Known from southern BC Canada and WA state in North America.

Area of Occupancy

E = 100-500 km² (about 25,000-125,000 acres)

LE = 1,000-5,000 km (about 620-3,000 miles)

Comments Fairly widely distributed, in spruce forests, also with Douglas fir in western North America

Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

D = Moderate Decline (decline of 25-50%)

E = Relatively Stable ($\pm 25\%$ change)

Comments In old-growth in northern Europe and known from mixed woods in Italy. Known from eastern and western Canada.

Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

D = Declining. Decline of 10-30% in population, range, area occupied, and/or number or condition of occurrences

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 Requires older virgin forests.

Number of Appropriately Protected and Managed Occurrences

Comments

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).

C = Not Intrinsically Vulnerable. Species matures quickly, reproduces frequently, and/or has high fecundity such that populations recover quickly (< 5 years or 2 generations) from decreases in abundance; or species has high dispersal capability such that extirpated populations soon become reestablished through natural recolonization (unaided by humans). Ecological community occurrences are resilient or resistant to irreversible changes in composition and structure and quickly recover (within 10 years).

Comments

Environmental Specificity

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

Comments

Other Considerations

NRANK - N4. This taxon has 4 names: *C. rubellus* Cke. is the current accepted name. It is also known as *C. rainierensis* Smith & Stuntz, *C. orellanoides* Henry, and *C. speciosissimus* Kuhner & Romagnesi.

Edition 11/19/2002 **Edauthor** Michelle Seidl

Grank G4 **Grank Date** 11/19/2002

Reasons

Circumboreal, found on all northern continents. Fairly common in Europe. In Pacific Northwest North America, known from southern BC and WA state. Also known from eastern Canada. Occurs in spruce forests and also with Douglas fir in western North America. Known from mixed woods in Italy. Requires older virgin forests.

BCD Sources

ISMS database
Survey and Manage Excel spreadsheet

New Sources

Smith, A. H. unpublished *Cortinarius* monograph.

Castellano, M. A., Jane E. Smith, Thom O'Dell, Efren Cazares and Susan Nugent. 1999. Handbook to Strategy 1 Fungal Species in the Northwest Forest Plan. PNW-GTR-476. October.

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