

## Heritage Rank Status Factors

**Elcode** NFSM000041  
**Gname** CORTINARIUS MAGNIVELATUS

**Gcomname**

### Number of Occurrences

B = 6 - 20

**Comments** Known from California and Oregon in montane coniferous forests and from the Great Basin in eastern Nevada and western Utah.

### Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

**Comments**

### Population Size

A = 1-50 individuals

**Comments**

### Range Extent

D = 1,000-5,000 km<sup>2</sup> (about 400-2,000 square miles)

**Comments** Known from California and Oregon in montane coniferous forests and from the Great Basin in eastern Nevada and western Utah.

### Area of Occupancy

B = 0.4-4 km<sup>2</sup> (about 100-1,000 acres)

LB = 4-40 km (about 2.5-25 miles)

**Comments**

### 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** Due to logging pressures in the high elevation forests of western North America, many lands are unprotected where this taxon is known to occur.

### 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

E = Stable. Population, range, area occupied, and/or number or condition of occurrences unchanged or remaining within  $\pm 10\%$  fluctuation

Comments

### 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 The immediacy is between low and moderate.

### Number of Appropriately Protected and Managed Occurrences

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

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).

Comments

### Environmental Specificity

A = Very Narrow. Specialist or community with key requirements scarce.

Comments

### Other Considerations

NRANK - N3. *Cortinarius magnivelatus* (Morse) Thiers & A. H. Sm. = *C. magnivelatus* Dearness ex Fogel

**Edition** 11/23/2002 **Edauthor** Michelle Seidl

**Grank** G3 **Grank Date** 11/23/2002

### Reasons

Restricted to western North America. Known from California and Oregon in montane coniferous forests and from the Great Basin in eastern Nevada and western Utah. The rank was chosen as G3 because it has a narrow range extent and occurs in conifer forests at high elevations with few protected areas.

### BCD Sources

ISMS database  
Survey and Manage Excel spreadsheet

### New Sources

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

Michelle Seidl pers. obs.

J. Ammirati pers. comm.

Collections housed at WTU herbarium