

## Heritage Rank Status Factors

**Elcode** NFSM000175  
**Gname** RHODOCYBE SPECIOSA

**Gcomname**

### Number of Occurrences

A = 1 - 5

**Comments** Estimated number of occurrences is 3. The ISMS database contains 3 records. The ISMS map shows 2 sites in the Washington Cascades. The Handbook to Strategy 1 Fungal Species in the Northwest Forest Plan notes 3 sites in the Washington Cascades. Two of these sites appear to be the same as those noted on the ISMS map.

### 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

E = 5,000-20,000 km<sup>2</sup> (about 2,000-8,000 square miles)

**Comments** Estimated range is about 18,333 square kilometers (7,078 square miles). Apparently endemic to the Cascade range of Washington.

### Area of Occupancy

A = <0.4 km<sup>2</sup> (less than about 100 acres)

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

**Comments** The occupancy is estimated to be about 3 square meters (.0007 acres), assuming that each noted occurrence occupies about 1 square meter.

### 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

A = Substantial, imminent threat. Threat is moderate to severe and imminent for most (> 60%) of the population, occurrences, or area. Ecological community occurrences are directly impacted over a widespread area, either causing irreversible damage or requiring long term recovery

**Scope** High **Severity** Moderate **Immediacy** Moderate

**Comments** Moderate to severe, imminent threat. Widespread logging, road and trail construction, or other activities that remove or destroy the rotten conifer wood on which this species grows may threaten the species.

## Number of Appropriately Protected and Managed Occurrences

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

**Comments** No protected occurrences noted in ISMS. One protected occurrence located in Mount Rainier National Park, noted in the Handbook.

## 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.

## Environmental Specificity

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

**Comments** Narrow environmental specificity. Occurs on rotten conifer wood at high elevations.

## Other Considerations

Nrank - N1N3. Very few collections of this species have been documented. Because of this lack of information and the fairly widespread possible habitat for this species, it is difficult to estimate the population size, viability and population trends of this species.

**Edition** 11/26/2002 **Edauthor** Hawes, Susan M.

**Grank** G1G3 **Grank Date** 11/26/2002

## Reasons

Apparently endemic to the Cascade range of Washington. Estimated number of occurrences is 3. 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 is about 18,333 square kilometers (7,078 square miles). Long-term and short-term trends are unknown. Moderate to severe, imminent threat. One protected occurrence located in Mount Rainier National Park, noted in the Handbook. Moderately vulnerable. Narrow environmental specificity. Because of a lack of collections and information about this species and the widespread possible habitat for this species, 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.