Heritage Rank Status Factors

**Elcode**  
NFSM000069

**Gname**  
GASTROBOLETUS RUBER

**Gcomname**

**Number of Occurrences**

B  = 6 - 20  
Comments  
Known from 16 sites.

**Number of Occurrences with Good Viability**

C  = Few (4-12) occurrences with good viability  
Comments

**Population Size**

A  = 1-50 individuals  
B  = 50-250 individuals  
Comments

**Range Extent**

E  = 5,000-20,000 km² (about 2,000-8,000 square miles)  
F  = 20,000-200,000 km² (about 8,000-80,000 square miles)  
Comments  
Endemic to the Pacific Northwest.

**Area of Occupancy**

A  = <0.4 km² (less than about 100 acres)  
B  = 0.4-4 km² (about 100-1,000 acres)  
LA  =  <4 km (less than about 2.5 miles)  
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**

U  = Unknown.  
Long-term trend in population, range, area occupied, or number or condition of occurrences unknown  
Comments

**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.
**Threats**  
B = Moderate and imminent threat. Threat is moderate to severe and imminent for a significant proportion (20-60%) of the population, occurrences, or area. Ecological community occurrences are directly impacted over a moderate area, either causing irreversible damage or requiring a long-term recovery.

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<thead>
<tr>
<th>Scope</th>
<th>Moderate</th>
<th>Severity</th>
<th>Moderate</th>
<th>Immediacy</th>
<th>Moderate</th>
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**Comments**  
This is a mycorrizhal species; it is dependent on a host tree for its carbohydrates. Studies have shown that if the tree is killed the mycorrizhal fungi die shortly after. The one possibly saving feature of this species is the spore bank. However, nothing is known about the spore bank of this species.

**Number of Appropriately Protected and Managed Occurrences**  
D = Many (13-40) occurrences appropriately protected and managed

**Comments**

**Intrinsic Vulnerability**  
U = Unknown

**Comments**

**Environmental Specificity**  
B = Narrow. Specialist or community with key requirements common.

**Comments**

**Other Considerations**
National Rank - N3

**Edition** 11/12/2002  
**Edauthor** Francisco J. Camacho

**Grank** G3  
**Grank Date** 11/12/2002

**Greasons**
Endemic to the Pacific Northwest. This species is often erumpent and easily seen in the low density underbrush forests that it occurs in. There have been several recent new locations in Washington, an area not as well examined for sequestrate species of fungi. I believe there will be many more.

**BCD Sources**

**New Sources**