

## Conservation Status Assessment

**Scientific Name:** *Hygrophorus vernalis*

**Classification:** Fungus

**Assessment area:** Global

**Heritage Rank:** **G1G2**

**Rank Date:** 11/28/2016

Assigned Rank Comments: None.

Rank Adjustment Notes: Without the Threat impact score The rating would be G1, With a medium (or high) threat score the rating is G2.

**Range Extent:** F = 20,000-200,000 sq km (~8,000-80,000 sq mi)

Comments: The Global range is 28,428 sq. km and includes sites Near Vancouver, B.C. Canada, In Olympic national park and Northern California. There are three herbarium collections of this species by W.B.Cooke with Panther creek as a location. One is from 1951, has GPS coordinates and is recorded as occurring at Panther creek / Squaw Valley Meadows in Siskiyou county, CA (in WSU herbarium). The other two (UC Berkley and Mich. State Herbariums) have no GPS coordinates, are from 1941 and are recorded as been collected from Panther creek in Washington State. All three sites have a recorded elevation of 2438 m. It is likely that all three are from the panther creek area on the southeast slope of Mount Shasta CA which is at the right altitude. If there actually is another site in a Panther Creek in Washington that could double the range if it was in the cascades or increase it even more if it was in Northeast Washington.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** A = 1 - 5

Comments: There are 3 occurrences in the global range. If there are in fact 2 Panther creek sites there would be 4 occurrences

**Area of Occupancy:** C = 3-5 4-km<sup>2</sup> grid cells

Comments: This species occupies 3 grid squares across its global range. If there are 2 panther creek sites there are 4 grid squares occupied

**Good Viability:** B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: One known site is within Olympic National Park

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

Comments: A likely mycorrhizal, "snowbank" species of high elevation conifer forest.

**Short Term Trends:** Not Evaluated

Comments: None

**Long Term Trends:** Not Evaluated

Comments: None

**Threat Impact:** C = Medium

Comments:

Only one occurrence is in a permanently protected area. If the other two sites were logged on a 40 year rotation 16% of the sites would be impacted over 10 years and around 67% of the sites would be impacted over 100 years.

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

**Calculated Rank:** G2

**Rank Author:** Michael Russell

**Rank Reviewer:** Michael Russell

**References:**

No additional references listed.

**Definitions and Resources:**

<b>Rank Prefixes</b>	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
<b>Rank Values</b>	
1	Critically imperiled
2	Imperiled
3	Vulnerable
4	Apparently secure, uncommon but not rare
5	Secure, common, abundant, and widespread

Suggested citation:

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More assessments available at <http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation>

Element rank calculator resources at <http://www.natureserve.org/conservation-tools/conservation-rank-calculator>

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