

Heritage Ranking Form - State Rank

Scientific Name: *Hemphillia burringtoni*
Common Name: Jumping-slug
Classification: Invertebrate Animal

Heritage Rank: **S1S2?**

Rank Date: 7/4/2016

Comments: For the purposes of this rank, I included all records from Tillamook , Yamhill, Lincoln and Benton Counties as *H. burringtoni*, as outlined in Jordan and Black's 2015 Conservation Assessment. The identity of these specimens is suspected to be *H. burringtoni*, but taxonomy in *Hemphillia* needs additional work. Regardless of the species assignment, *Hemphillia glandulosa/burringtoni* in NW Oregon deserve full protection and are of particular ecological interest as they represent an important dispersal mechanism for fungal species, which are crucial for the forest health. (Wilke and Ziegltrum 2004).

Range Extent: D = 1,000-5,000 sq km (~400-2,000 sq mi)

Comments: Known range extent in OR = 2669 sq km

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: Approximately 13 when buffered to 1 km separation distance.

Area of Occupancy: F = 126-500 4-km² grid cells

Comments: Known locations buffered to 1 km, 164 4-km² cells.

Good Viability: U = Unknown

Comments: None

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: U = Unknown

Comments: None

Long Term Trends: 0

Comments: None

Threat Impact: C = Medium

Comments: Primary threat is habitat loss/degradation from timber management, fire (Jordan & Black

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: Calculator Rank (unrevised)=S3. Although this taxa ranks as an S3, I am restricted to an S1S2 rank because the current global rank is G1G2. A '?' is appropriate in either case because taxonomic questions mean that I am uncertain about which records actually fall within *H. burringtoni* (and which fall within *H. glandulosa*).

References: Wilke, Thomas. Joan Ziegltrum. 2004. Genetic and anatomical analysis of the jumping slugs. USFS Contract Report #43-05g2-1-10086 Final Report. 2003. Jordon, S. F. and S. Hoffman. 2015. Conservation Assessment for *Hemphillia burringtoni*, *Burrington Jumping-slug* and *Hemphillia glandulosa*, Warty Jumping-slug. ISSSSP. <http://www.fs.fed.us/r6/sfpnw/issssp/documents3/ca-ig-hemphillia-glandulosa-burringtoni-2015-09-508.pdf>

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