

Heritage Ranking Form - State Rank

Scientific Name: *Pristinicola hemphilli*
Common Name: Pristine springsnail
Classification: Invertebrate Animal

Heritage Rank: **S3**

Rank Date: 7/6/2016

Comments: Wide distribution in OR, appears to be widespread in small stream and seeps. However, limited to small streams and may be vulnerable to siltation, thermal pollution, and other forms of water quality degradation.

Range Extent: E = 5,000-20,000 sq km (~2,000-8,000 sq mi)

Comments: 8340 sq km range extent in OR.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: 33 EOs in Biotics, but most are pre-2000. Over 20 recent observations in Columbia River Gorge (Fallon et al. 2016).

Area of Occupancy: E = 101-500 1-km² grid cells

Comments: Existing EOs cover 175 1km² grid cells. New records from Gorge not included in this estimate. Likely closer to 200 cells with new records included. New records include new sites, but do not extend range in OR.

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: In Wisseman, Blevins and Fallon's 2015 surveys of the Columbia River Gorge, this species was present at over 20 sites and was common to abundant at at least two sites.

Environmental Sensitivity: C = Moderate. Generalist or community with some key requirements scarce

Comments: None

Short Term Trends: G = Relatively Stable (<=10% change)

Comments: None

Long Term Trends: 0

Comments: None

Threat Impact: C = Medium

Comments:
water quality degradation, thermal pollution

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: None

References:

Fallon, C, E. Blevins, and R. Wisseman. 2016. Surveys to determine the status and distribution of three Columbia River Gorge endemic caddisfly and stonefly species: *Farula constricta*, *Neothremma andersoni*, and *Nanonemoura wahkeena*. Final report from The Xerces Society and Aquatic Biology Associates, Inc., to the ISSSSP and the CRGNSA. Availalbe at <http://www.fs.fed.us/r6/sfprnw/issssp/documents4/inv-rpt-iipl-iitr-nawa-faconean-crgnsa-xerces-2016.pdf>
ORBIC Biotics database

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