

Heritage Ranking Form - State Rank

Scientific Name: *Margaritifera falcata*
Common Name: Western pearlshell
Classification: Invertebrate Animal

Heritage Rank: **S3**

Rank Date: 7/4/2016

Comments: Still widespread in OR, but there have been scattered declines. This long-lived species may be present but not reproducing before declines are noticed. Many widespread threats.

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

Comments: 151,075 sq km range extent in OR

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: Occurs in 73 6th field HUCs

Area of Occupancy: F = 501-2,000 1-km² grid cells

Comments: 674 1km² grid cells based on known collections, but these severely underestimates distribution in OR. Entire stream segments would be a better estimate, but I do not have that data.

Good Viability: U = Unknown

Comments: None

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: F = Decline of 10 - 30%

Comments: Documented extirpation from Umatilla River and portions of the Owyhee Basin. Declines from Middle Fork of the John Day, Siulsaw, Siletz and Snake Rivers.

Long Term Trends: F = Decline of 10 - 30%

Comments: None

Threat Impact: B = High

Comments: Dams, loss of fish hosts, contaminants, sedimentation, stream warming.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: None

References: Japsen, S. , C. LaBar, J. Zarnoch. 2008. Status Review: *Margaritifera falcata*. Xerces Society. Available at: <http://www.xerces.org/wp-content/uploads/2008/09/xerces-status-review-margaritifera-falcata-2012.pdf> | Brim-Box, Jayne, David Wolf, Jeanette Howard, Christine O'Brien, Donna Nez, David Close. 2002. Distribution and Status of Freshwater Mussels in the Umatilla River System, 2002-2003 Annual Report, Project No. 200203700, 74 electronic pages, (BPA Report DOE/BP-00011402-1). | ORBIC Element Occurrence records |

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