

## Heritage Ranking Form - State Rank

**Scientific Name:** *Farula constricta*  
**Common Name:** A Farulan caddisfly  
**Classification:** Invertebrate Animal

**Heritage Rank:** **S1S2**

Rank Date: 7/1/2016

Comments: S1S2 because of limited range, narrow habitat requirements, and threats from sedimentation and potentially climate change. Oregon endemic. Has been persisting at all sites in its small range.

**Range Extent:** B = 100-250 sq km (~40-100 sq mi)

Comments: Convex Hull of estimated distribution per Xerces (2008) and Wisseman (2006): 232 sq km

**Population Size:** U = Unknown

Comments: None

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

Comments: 4 or 5 occurrences, all in Columbia River Gorge

**Area of Occupancy:** CD = 3-25 4-km<sup>2</sup> grid cells

Comments: 6 4-km<sup>2</sup> grid cells if sites are buffered to 5 km

**Good Viability:** BC = Very few to few (1-12) occurrences with good viability

Comments: Wisseman, Fallon and Blevins revisited sites and found the species persisting at all sites and located 3 additional sites, all within Columbia River Gorge Scenic Area. They additionally suspected it from 6 more sites, based on presence of larvae or old pupal cases.

**Environmental Sensitivity:** Not Evaluated

Comments: None

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

Comments: No information on trends

**Long Term Trends:** U = Unknown

Comments: None

**Threat Impact:** B = High

## Comments:

Runoff and sedimentation from road construction, hiking in Gorge. Cold water dependent species may be vulnerable to climate change.

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

Rank Notes: None

References: Xerces Society. 2008. Species Fact Sheet. Foltz, S. 2008. *Farula constricta* Species Fact Sheet. ISSSSP. <http://www.fs.fed.us/r6/sfpnw/issssp/species-index/fauna-invertebrates.shtml> 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. Available at <http://www.fs.fed.us/r6/sfpnw/issssp/documents4/inv-rpt-iipi-iitr-nawa-faco-nean-crgnsa-xerces-2016.pdf> |

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