

Heritage Ranking Form - State Rank

Scientific Name: *Oncorhynchus mykiss pop. 42*

Common Name: Fort Rock redband trout

Classification: Vertebrate Animal

Heritage Rank: **S2**

Rank Date: 4/2/2015

Comments: Reasonably abundant within remaining range. Threats from climate change (drought years), non native species. Limited range.

Range Extent: C = 250-1,000 sq km (~100-400 sq mi)

Comments: Range extent: 10,703 sq km based on area of HUC. 957 sq km based on portion of HUC actually occupied (Gunckel 2012).

Population Size: F = 10,000 - 100,000 individuals

Comments: 35,209 - 65,385 (Meeuwig and Clements 2014)

Number of Occurrences: B = 6 - 20

Comments: Probably about 7 EOs based on number of impassable barriers (Gunckel 2012).

Area of Occupancy: E = 26-125 4-km² grid cells

Comments: Current distribution: 118 km stream habitat plus 4723 ha lake habitat = 104 4-km² grid cells (Gunckel 2012).

Good Viability: F = Excellent percent (>40%) of area with excellent or good viability or ecological integrity

Comments: 73% of occupied habitat rated as 'Good' by Gunckel (2012). 75% of the population known or suspected unaltered (unhybridized). 33% of stream habitat without non-native species. (Gunckel 2012).

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: E = Decline of 30 - 50%

Comments: Abundance declined from 2007 to 2011, but increased in 2012 (Meeuwig and Clements 2014).

Long Term Trends: E = Decline of 30 - 50%

Comments: Historic distribution: 261 stream miles (May 2012).

Threat Impact: B = High

Comments:

Isolated, closed basin. Threats from drought, non-native species.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: None

References: Meeuwig, M. H. and S. P. Clements. 2014. USE OF DEPLETION ELECTROFISHING AND A GENERALIZED RANDOM-TESELLATION STRATIFIED DESIGN TO ESTIMATE DENSITY AND ABUNDANCE OF REDBAND TROUT IN THE NORTHERN GREAT BASIN. ODFW Information Report 2014-01. StreamNet, May 2003. [Accessed 8/5/14]. URL: <<http://www.streamnet.org/online-data/GISData.html>>. Gunckel, S. 2012. ICP Redband Trout database. May, B.E., B.J. Writer, and S. Albeke. 2012. Redband trout status update summary. Unpublished report prepared by Wild Trout Enterprises, LLC, Bozeman MT

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