

Heritage Ranking Form - State Rank

Scientific Name: *Oncorhynchus mykiss pop. 44*

Common Name: Chewaucan redband trout

Classification: Vertebrate Animal

Heritage Rank: **S3**

Rank Date: 2/16/2015

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

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

Comments: Range extent: 2668 sq km based on area of HUC. 1563 sq km based on portion of HUC actually occupied (Gunckel 2012).

Population Size: FG = 10,000 - 1,000,000 individuals

Comments: 101,248 - 181,615 (Meeuwig and Clemnets 2014)

Number of Occurrences: B = 6 - 20

Comments: Probably about 17 EOs based on number of impassable barriers (Gunckel 2012).

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

Comments: Current distribution: 400 km (Gunckel 2012).

Good Viability: E = Good percent (21-40%) of area with excellent or good viability or ecological integrity

Comments: 34% of occupied habitat rated as 'Good' by Gunckel (2012). 50% of the population suspected unaltered (unhybridized). 47% of stream habitat without non-native species. (Gunckel 2012).

Environmental Sensitivity: Not Evaluated

Comments: None

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

Comments: Abundance was generally consistent between 2007 and 2012 (Meeuwig and Clements

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

Comments: Historic distribution: 671 stream miles (May 2012).

Threat Impact: B = High

Comments:
Isolated, closed basin.

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 Unpublished report prepared by Wild Trout Enterprises, LLC, Bozeman MT

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