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%
Threat Impact: B = High

Comments: Isolated, closed basin.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: None

References:

Rank Author: Gaines, Eleanor

Oregon Biodiversity Information Center, Institute for Natural Resources
Portland State University www.orbic.pdx.edu
Mail Stop: INR, PO Box 751 www.pdx.edu/inr
Portland, OR 97207-0751 503-725-9950

Rank Calculator version 3.185 http://www.natureserve.org/conservation-tools/conservation-rank-calculator