

Heritage Ranking Form - State Rank

Scientific Name: Oncorhynchus clarkii lewisi

Common Name: Westslope cutthroat trout

Classification: Vertebrate Animal

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

Range extent 3038 sq km based on existing EOs; 4295 sq km based on StreamNet data (contains a few records we do not have). This range extent includes occupied portions of the North Fork and Mainstem John Day basins. There is some discussion that populations in the North Fork of the John Day Basin may be the result of stocking, but I could not find consensus on this (ODFW 2005, Gunckle 2002).

Population Size: E = 2,500 - 10,000 individuals

Comments: ODFW Status report (2006) says population size unknown, but estimated at between 1,900-10,250 adults.

Number of

Occurrences: AB = 1 - 20

Comments: Occurs in 71 individual stream reaches. ORBIC has 23 EOs, but these are based on use type and have small separation distances. Oregon Native Fish Status Report cites 17 populations in OR. 4 EOs based on 10 stream-km separation distance.

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

Comments: According to StreamNet, 306 miles, or 492 km. ORBIC distribution slightly smaller, but still within this range.

Good Viability: D = Moderate percent (11-20%) of area with excellent or good viability or ecological integrity

Comments:

Environmental

Specificity: Not Evaluated

Comments: None

Short Term Trends: 0

Comments: None

Long Term Trends: CD = Decline of 50 - 80%

Comments: Estimated to occupy 21% of historical distribution in OR (Shepard et al. 2003), but most populations appear stable.

Threat Impact: B = High

Comments: Threatened by hybridization with hatchery rainbow trout, fragmentation and isolation, degraded habitat.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: S2

Comments: Distribution limited and fragmented. Occupies a small portion of historic range. Hybridization with hatchery rainbow trout.

Rank Notes: None

Reference: ODFW. 2005. Oregon Native Fish Status Report. Volume II: Assessment Methods and Population Results. Westslope cutthroat trout pp 452-458. | StreamNet, May 2003. [Accessed 8/5/14]. URL: <<http://www.streamnet.org/online-data/GISData.html>>.| Gunckel, S. 2002. Stocking history of westslope cutthroat trout and rainbow trout in the upper John Day Basin, Oregon. Unpublished report for Native Trout Program, Oregon Department of Fish and Wildlife, Corvallis. 42 pp. | Shepard, B. B., B. E. May, W. Urie. 2003. Status of westslope cutthroat trout (*Oncorhynchus clarki lewisi*) in the United States: 2002. Montana Fish, Wildlife and Parks for the Westslope Cutthroat Trout Interagency Conservation Team, Helena, Montana. |

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