

NISQUALLY – NISQUALLY WINTER STEELHEAD

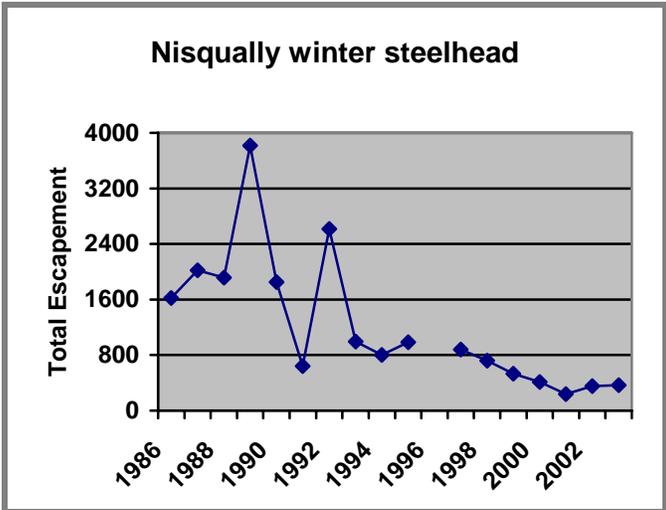
STOCK STATUS

1992 STATUS Healthy	2002 STATUS Depressed
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Very good

YEAR	TOTAL ESCAPEMENT
1986	1620
1987	2022
1988	1916
1989	3817
1990	1853
1991	642
1992	2618
1993	993
1994	804
1995	987
1996	No data
1997	882
1998	721
1999	530
2000	411
2001	240
2002	353
2003	366



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Data are total escapement estimates based on Nisqually River redd counts.

The status of the stock in 2002 is rated **Depressed** due to a **long-term negative trend** and **chronically low** escapement estimates. Total escapements have fallen below the escapement goal of 2,000 wild spawners in every year beginning in 1993.

STOCK DEFINITION

Nisqually winter steelhead were identified as a stock based on their distinct spawning distribution.

SPAWNING DISTRIBUTION: Most spawning occurs in the mainstem Nisqually River, Muck Creek, Tanwax Creek, Ohop Creek and the Mashel River and their tributaries. Spawning also occurs in McAllister Creek.

SPAWNING TIMING: Spawning occurs from early March through mid-June.

GENETIC ANALYSIS: Allozyme analysis of Nisqually winter steelhead sampled in 1994 clustered them most closely with winter steelhead in Deep Creek (Strait of Juan de Fuca) and with other stocks from the Strait, the North Coast and lower Columbia River. This group of stocks is similar to the Chambers Creek winter steelhead hatchery stock, which has been released throughout Washington (Phelps et al. 1997).

STOCK ORIGIN

This is a **native** stock with **wild** production.
