

NISQUALLY – NISQUALLY COHO

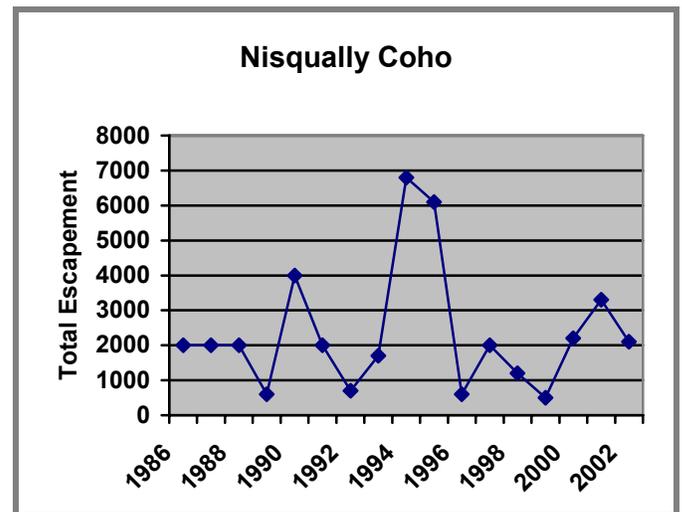
STOCK STATUS

1992 STATUS Healthy	2002 STATUS Healthy
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Fair

YEAR	TOTAL ESCAPEMENT
1986	2,000
1987	2,000
1988	2,000
1989	600
1990	4,000
1991	2,000
1992	700
1993	1,700
1994	6,800
1995	6,100
1996	600
1997	2,000
1998	1,200
1999	500
2000	2,200
2001	3,300
2002	2,100



Data are total escapement estimates based on serial spawner counts in index areas in Twenty-five Mile Creek (RM 0.0-0.6), Toboton Creek (RM 1.0 –1.3 and 1.8-2.7) and Tanwax Creek (RM 1.0-1.5).

A short-term decline in escapements and run sizes occurred in this and all other South Sound coho stocks in the mid- to late 1990s, largely the outcome of a precipitous plunge in marine survival rates. Escapements are still above historical lows, and largely in the range often observed in the past, so the stock is rated **Healthy** in 2002.

STOCK DEFINITION

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

SPAWNING DISTRIBUTION: Spawning takes place throughout the Nisqually watershed up to LaGrande (~RM 40) and in McAllister Creek.

SPAWNING TIMING: spawning generally occurs from mid-November to mid-January, however it sometimes extends later than other south Puget Sound coho stocks.

GENETIC ANALYSIS: No genetic analysis has been done on Nisqually coho.

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STOCK ORIGIN

This is a **mixed** stock with **composite** production. There was a significant history of releases of non-native hatchery-origin coho into the Nisqually basin. Large numbers of hatchery-origin strays have been identified in other naturally-spawning South Sound coho populations. Increased proportions of hatchery stock returns, resulting from reduced fisheries, may occur in this stock as well.

