

STRAIT OF JUAN DE FUCA - CLALLAM COHO

STOCK STATUS

1992 STATUS

Unknown

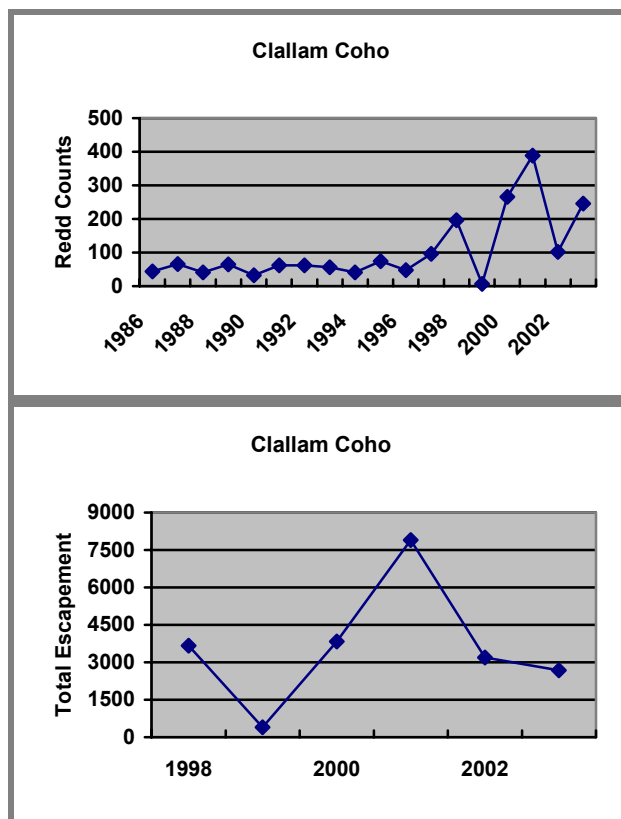
2002 STATUS

Healthy

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

BROOD YEAR	REDD COUNTS	TOTAL ESCAPEMENT
1986	44	
1987	66	
1988	41	
1989	65	
1990	32	
1991	62	
1992	62	
1993	56	
1994	41	
1995	74	
1996	48	
1997	96	
1998	196	3,664
1999	7	393
2000	266	3,827
2001	389	7,896
2002	102	3,191
2003	246	2,684



Data are 1): cumulative redd counts from the index area in Charley Creek (RM 0.9 to 1.5); and 2) total escapement estimates based on redd counts using a stratified random sampling method in the Clallam River and its tributaries (Crain 1999).

In 1992 stock status was rated as unknown due to uncertainty about how representative the Charley Creek index area is for determining total natural coho spawning activity in the Clallam River basin. There was a considerable increase in the annual redd counts in 1998 and 2000 from the historical values, and it is now apparent that the index data are representative of escapement trends in the entire Clallam River basin. Given the upward trend and the robust estimates of total escapement, this stock is rated **Healthy** in 2002.

STOCK DEFINITION

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

SPAWNING DISTRIBUTION: Spawning takes place throughout the Clallam system.

SPAWNING TIMING: Spawning generally occurs from early November to mid-January.

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

STOCK ORIGIN

This is a **mixed** stock with **wild** production. There were off-station releases of coho yearlings in this area almost annually between 1958 and 1975. Dungeness Hatchery stock was most commonly used with additional releases from Sol Duc, Soos Creek (Green River), Washougal, Elwha and George Adams (Hood Canal) hatchery stocks. There have been on-station yearling releases into this drainage by a local enhancement cooperative since 1980. The stock is likely a mixture of the native stock and introduced non-native stocks.