

STRAIT OF JUAN DE FUCA - SALT CREEK COHO

STOCK STATUS

1992 STATUS

Healthy

2002 STATUS

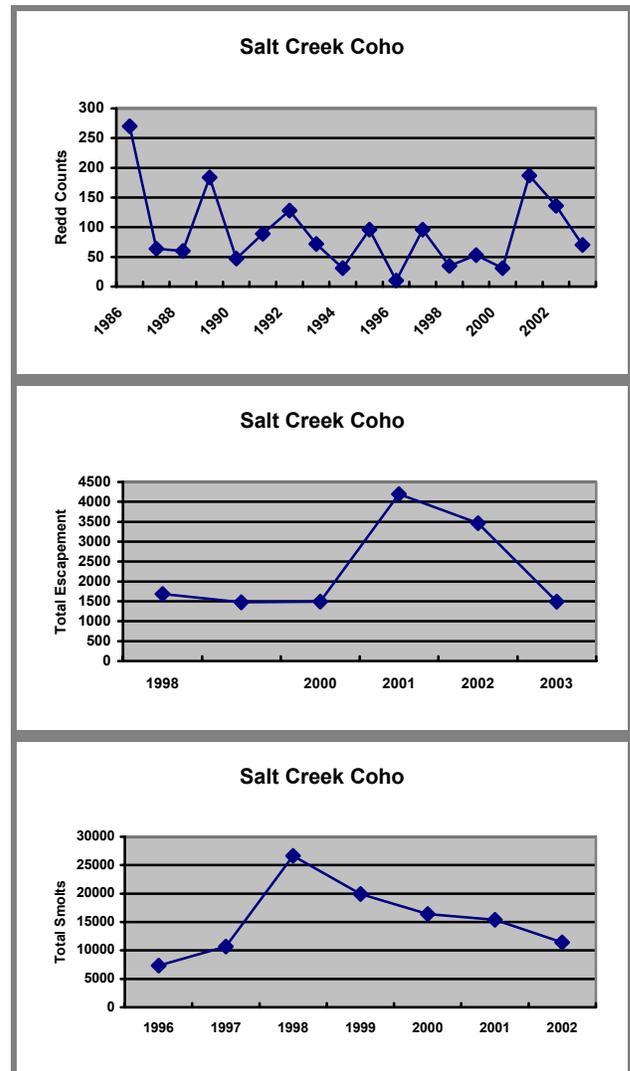
Healthy

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK

STATUS: Good

BROOD YEAR	REDD COUNTS	TOTAL ESCAPEMENT	TOTAL SMOLTS
1986	270		
1987	64		
1988	60		
1989	184		
1990	47		
1991	89		
1992	128		
1993	72		
1994	31		
1995	96		
1996	10		7,357
1997	96		10,711
1998	35	1,685	26,652
1999	53	1,479	19,923
2000	31	1,489	16,416
2001	187	4,198	15,385
2002	136	3,465	11,423
2003	70	1,490	Not available



Data are 1) cumulative redd counts in index areas in the mainstem Salt Creek (RM 5.6 to 6.4) plus an unnamed tributary WRIA 19.0014 (RM 0.0 to 0.8); and 2) Total escapement based on redd counts using a stratified random sampling method in Salt Creek and its tributaries, Coville, Whiskey, Field and Falls creeks as well as the Lyre River and its tributaries; and 3) total smolt production based on smolt trapping in Salt Creek beginning with the 1996 brood year. Redd counts have declined since the 1992 SASSI status rating. However, recent-year Salt Creek smolt production estimates show adequate production for the basin, so escapement levels appear to be adequate for significant juvenile production. In addition, the preliminary 2001 index cumulative redd count was 187, the highest since 1992.

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Stock status is rated **Healthy** in 2002, based largely on the recent juvenile production information.

STOCK DEFINITION

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

SPAWNING DISTRIBUTION: Spawning takes place throughout the Salt Creek system.

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

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

STOCK ORIGIN

This is a **mixed** stock with **wild** production. There were off-station releases of Dungeness coho yearlings in this area almost annually between 1959 and 1974. Single releases of Soos Creek (Green River), Marblemount (Skagit River), Elwha, George Adams (Hood Canal) and Washougal hatchery stocks have also occurred. This stock is likely a mixture of the native stock and the introduced non-native stocks.