

STRAIT OF JUAN DE FUCA - HOKO COHO

STOCK STATUS

1992 STATUS

Healthy

2002 STATUS

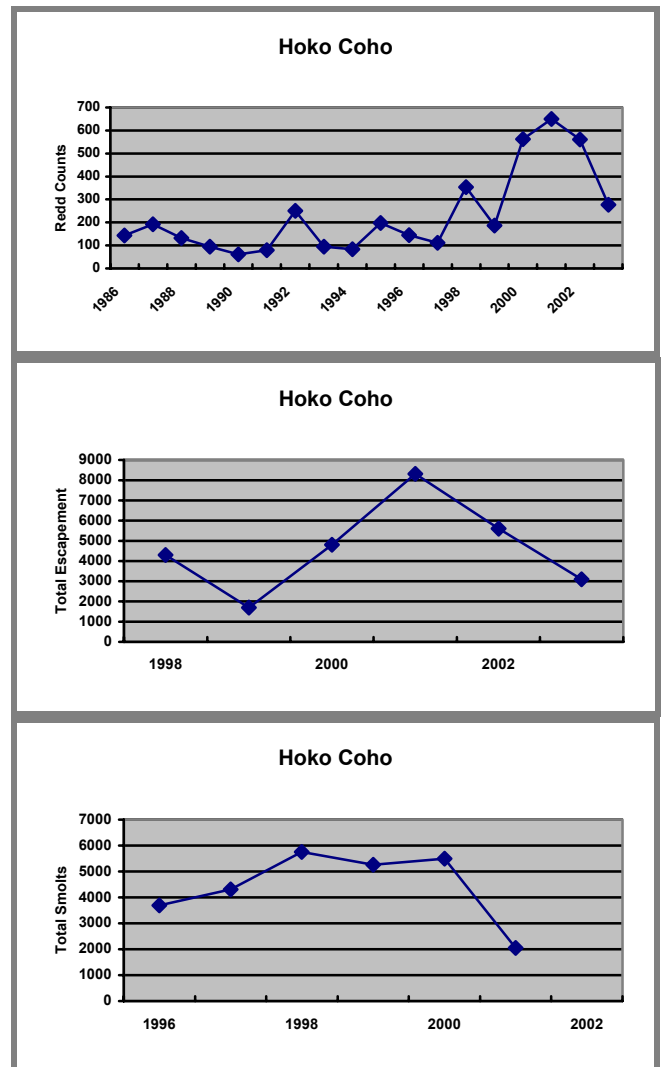
Healthy

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS:

Good

BROOD YEAR	REDD COUNTS	TOTAL ESCAPEMENT	TOTAL SMOLTS
1986	143		
1987	192		
1988	132		
1989	94		
1990	61		
1991	79		
1992	250		
1993	94		
1994	83		
1995	198		
1996	145		3,695
1997	111		4,313
1998	353	4,299	5,755
1999	187	1,706	5,259
2000	562	4,808	5,491
2001	650	8,322	2,050
2002	561	5,605	No data
2003	277	3,090	Not available



Data are 1) cumulative redd counts in index areas in the Hoko River (RM 20.4 to 22.5), Bear Creek (RM 0.0 to 0.7) and Cub Creek (RM 0.0 to 0.5); 2) total escapement estimates based on redd counts using a stratified random sampling method in the Hoko and Little Hoko rivers and their tributaries (Crain 1999); and 3) total smolt production based on smolt trapping in the Little Hoko River beginning in brood year 1996.

Given that redd counts increased considerably from 1998 to 2000 compared to counts in the late 1980s and early 1990s, the stock is again rated **Healthy** in 2002.

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STOCK DEFINITION

Hoko coho were identified as a stock based on their distinct spawning distribution. Stock identification has been supported by genetic analysis.

SPAWNING DISTRIBUTION: Spawning takes place throughout the Hoko system.

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

GENETIC ANALYSIS: Allozyme analysis of a collection made in 1987 shows that Hoko coho are significantly different from all other Washington coho stocks examined (David Teel, NMFS, personal communication).

STOCK ORIGIN

This is a **mixed** stock with **wild** production. There were off-station releases of non-native coho yearlings in this area occasionally between 1954 and 1972. Dungeness Hatchery stock was most commonly used with additional releases from Sol Duc, Soos Creek (Green River), Elwha and George Adams (Hood Canal) hatchery stocks. The stock is likely a mixture of the native stock and introduced non-native stocks.