

STRAIT OF JUAN DE FUCA – SEKIU/SAIL COHO

STOCK STATUS

1992 STATUS

Depressed

2002 STATUS

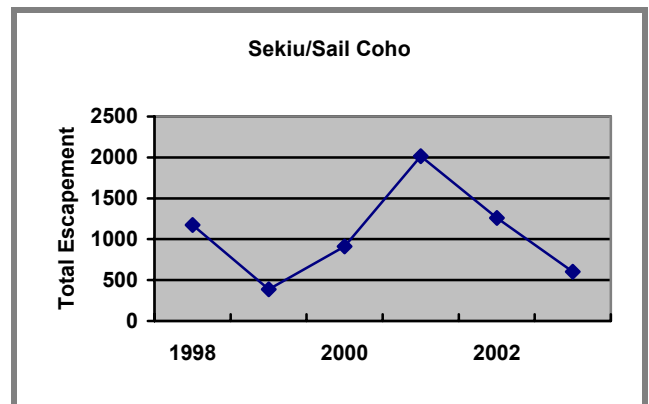
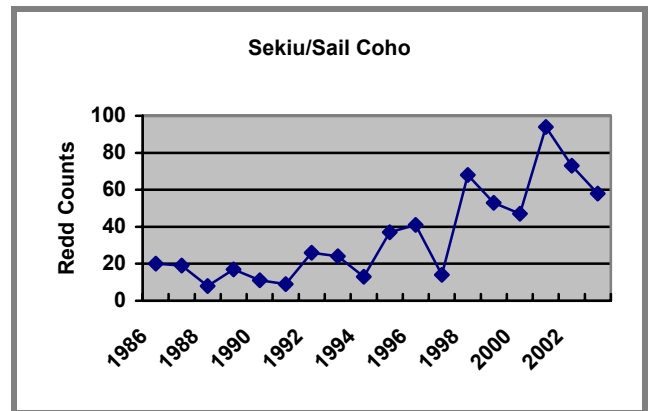
Healthy

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS:

Good

BROOD YEAR	REDD COUNTS	TOTAL ESCAPEMENT
1986	20	
1987	19	
1988	8	
1989	17	
1990	11	
1991	9	
1992	26	
1993	24	
1994	13	
1995	37	
1996	41	
1997	14	
1998	68	1,173
1999	53	388
2000	47	912
2001	94	2,015
2002	73	1,261
2003	58	604



Data are 1) cumulative redd counts from index areas in Carpenter Creek (RM 0.0 to 0.6) and East Fork Carpenter Creek (RM 0.0 to 0.5); and 2) total escapement estimates based on redd counts using a stratified random sampling method in the Sekiu and Sail rivers plus their tributaries and in the following independent streams: Bullman, Agency, Village, Rasmussen, Olsen, Jansen and Snow creeks (Crain 1999).

Since 1991, there has been a considerable increase in annual redd counts between the 1980s and 1990s, so stock status is rated **Healthy** in 2002.

STOCK DEFINITION

Sekiu/Sail coho were identified as a stock based on their distinct spawning distribution.

SPAWNING DISTRIBUTION: Spawning takes place throughout the Sekiu and Sail systems.

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

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GENETIC ANALYSIS: No genetic analysis has been done on Sekiu/Sail coho.

STOCK ORIGIN

This is a **mixed** stock with **wild** production. There have been very few off-station releases of coho into the Sekiu drainage. The Sail River, Agency and Village creeks had USFWS Makah National Fish Hatchery Sooes/Quinault/Quilicene-origin coho fry releases from 1984 through 1988. Other plantings of Dungeness, Sol Duc, Elwha and George Adams (Hood Canal) hatchery stocks have occurred. This stock is likely a mixture of native and introduced non-native stocks.