

SOUTH SOUND – CASE INLET SUMMER CHUM

STOCK STATUS

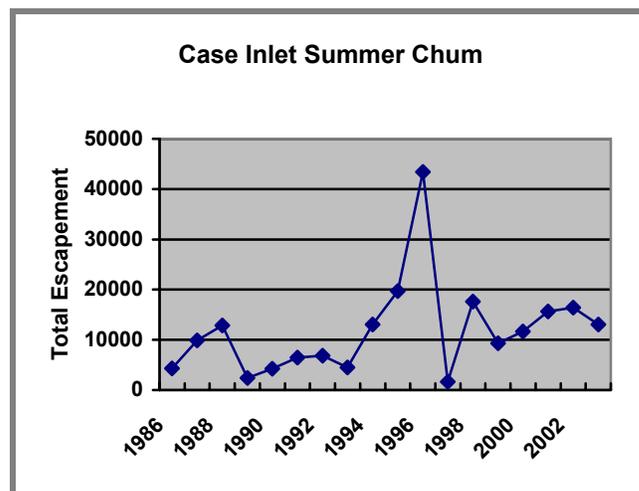
1992 STATUS Healthy	2002 STATUS Healthy
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK

STATUS: Good

YEAR	TOTAL ESCAPEMENT
1986	4,310
1987	9,857
1988	12,874
1989	2,414
1990	4,233
1991	6,436
1992	6,828
1993	4,506
1994	13,044
1995	19,704
1996	43,389
1997	1,646
1998	17,640
1999	9,339
2000	11,658
2001	15,653
2002	16,434
2003	13,043



Data are total escapement estimates for summer chum in Case Inlet streams based on index counts of live spawners made annually in Sherwood, Coulter and Rock creeks.

Stock status is rated **Healthy** in 2002. The escapements of the Case Inlet summer chum salmon stock have been strong since the early 1990s, with one extraordinary escapement of 43,389 spawners in 1996.

STOCK DEFINITION

Case Inlet summer chum were identified as a stock based on their distinct spawning distribution, spawning timing, and genetic composition.

SPAWNING DISTRIBUTION: Most spawning takes place in Sherwood, Coulter and Rocky creeks.

SPAWNING TIMING: Spawning generally occurs from mid-October through late October.

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GENETIC ANALYSIS: Allozyme analysis has shown Case Inlet summer chum salmon to be genetically distinct from all other Washington chum stocks examined (Phelps et al. 1995).

STOCK ORIGIN

This is a **native** stock with **wild** production. Wild escapements in Coulter and Sherwood creek were supplemented by large hatchery program using native broodstock from the late 1970s through the mid-1980s, when the program was discontinued. Currently the stock is sustained entirely by natural spawning.