

SOUTH SOUND – HAMMERSLEY INLET SUMMER CHUM

STOCK STATUS

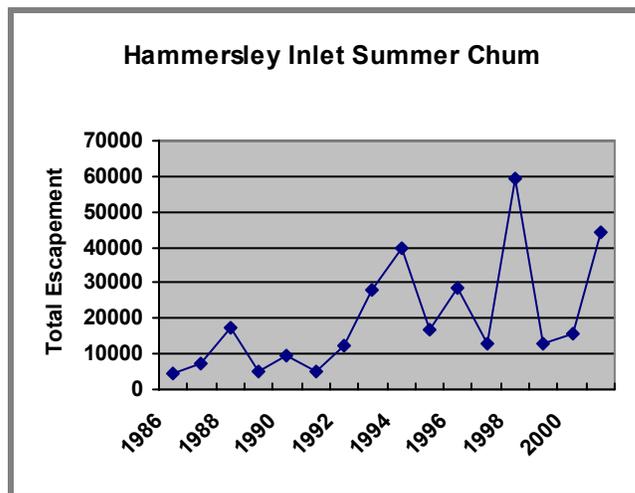
1992 STATUS	2002 STATUS
Healthy	Healthy

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK

STATUS: Good

YEAR	TOTAL ESCAPEMENT
1986	4,597
1987	7,092
1988	17,273
1989	4,864
1990	9,582
1991	4,828
1992	20,282
1993	27,874
1994	39,581
1995	34,218
1996	67,869
1997	14,075
1998	59,278
1999	12,734
2000	15,559
2001	44,312
2002	26,484
2003	27,845



Data are total escapement estimates for summer chum from Hammersley Inlet streams based on index live spawner counts made annually in Johns, Cranberry and Deer creeks.

Stock status is rated **Healthy** in 2002. The escapements of the stock have been strong since the 1993 return year.

STOCK DEFINITION

Hammersley 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 Johns, Cranberry and Deer creeks.

SPAWNING TIMING: Spawning generally occurs from September through late October.

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GENETIC ANALYSIS: Allozyme analysis has shown Hammersley Inlet summer chum 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. The Johns Creek Hatchery was a major contributor to the run from the late 1970s through the mid-1980s and supplemented a large wild escapement into Johns Creek using native broodstock. The hatchery closed in 1991. Currently, escapements in Johns Creek and other Hammersley Inlet streams are the result of natural spawning.