

# SOUTH SOUND – TOTTEN INLET FALL CHUM

## STOCK STATUS

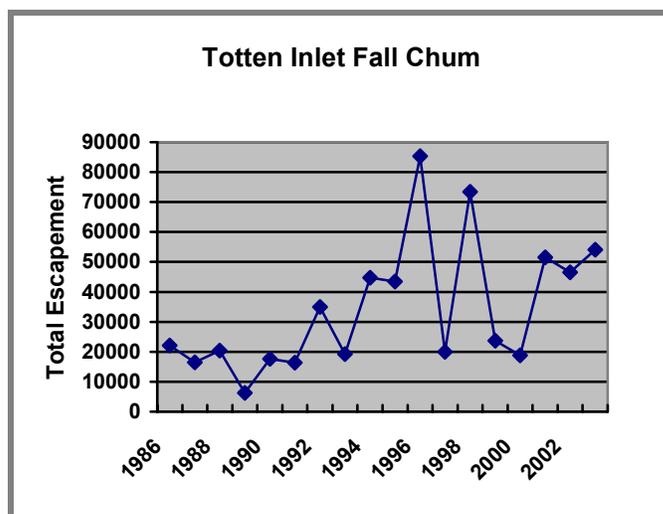
1992 STATUS	2002 STATUS
<b>Healthy</b>	<b>Healthy</b>

## STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK

STATUS: Good

YEAR	TOTAL ESCAPEMENT
1986	22,095
1987	16,433
1988	20,355
1989	6,276
1990	17,625
1991	16,390
1992	34,986
1993	19,239
1994	44,708
1995	43,494
1996	85,272
1997	19,990
1998	73,427
1999	23,680
2000	18,776
2001	51,552
2002	46,548
2003	54,057



Data are estimates of total escapement of fall chum to Totten Inlet streams based on index counts of live spawners made annually in Kennedy and Schneider creeks.

Stock status is rated **Healthy** in 2002. Escapements have been strong since the mid-1980s with very large escapements in 1994 and 1998, 85,272 and 73,427 spawners respectively. This stock is robustly healthy.

## STOCK DEFINITION

Totten Inlet fall chum were identified as a stock based on their distinct spawning distribution, genetic differences and run timing.

SPAWNING DISTRIBUTION: Most spawning takes place in Kennedy and Schneider creeks.

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

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GENETIC ANALYSIS: Allozyme analysis has shown Totten Inlet Fall chum salmon to be genetically distinct from all other Washington chum stocks examined (Phelps et al. 1995). A unique genetic mark was applied to Kennedy Creek chum during the 1975-1980 return years.

## STOCK ORIGIN

This is a **native** stock with **wild** production.