

STRAIT OF JUAN DE FUCA- SNOW/SALMON CREEKS SUMMER CHUM

Snow/Salmon creeks summer chum were called Discovery Bay summer chum in the 1992 SASSI.

STOCK STATUS

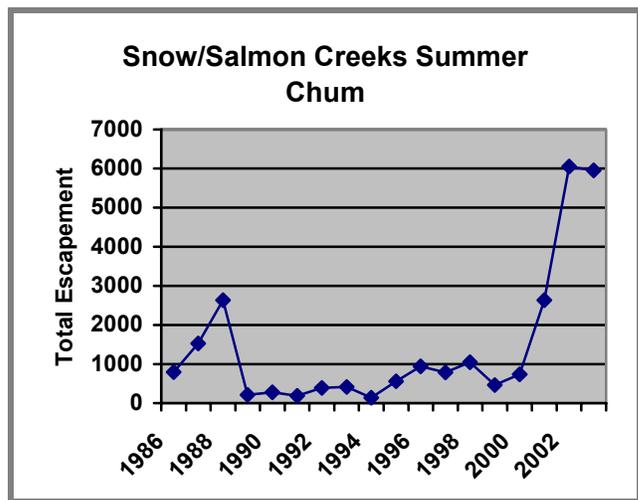
1992 STATUS	2002 STATUS
Critical	Depressed

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS:

Good

YEAR	TOTAL ESCAPEMENT
1986	795
1987	1,527
1988	2,638
1989	215
1990	278
1991	184
1992	454
1993	463
1994	163
1995	616
1996	1,054
1997	901
1998	1,171
1999	528
2000	876
2001	2,792
2002	6,049
2003	5,955



Data are total escapement estimates based on Salmon Creek rack counts and live spawner counts from RM 0.0 to RM 1.5 and Snow Creek rack counts and live spawner counts from RM 0.0 to RM 0.8.

Snow/Salmon creeks summer chum have experienced increased escapements since 1995, in part because of a successful cooperative hatchery supplementation program originally conceived by Wild Olympic Salmon and supported by the North Olympic Salmon Coalition (WDFW and PNPTT 2001). The improvement in escapement has moved the stock out of Critical status, however, the stock is rated **Depressed** in 2002 because of continuing **chronically low** escapements of naturally produced adults.

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STOCK DEFINITION

Snow/Salmon creeks summer chum were recognized as a stock in the state-tribal summer chum recovery plan (WDFW and PNPTT 2000) based on their distinct spawning distribution and early return and spawning timing.

SPAWNING DISTRIBUTION: Most spawning takes place in the lower two miles of Salmon Creek and in the lower 1.5 miles of Snow Creek.

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

GENETIC ANALYSIS: Allozyme analysis has shown that Snow/Salmon creeks summer chum are genetically distinct from all other Washington chum stocks examined (Phelps et al. 1995).

STOCK ORIGIN

This is a **native** stock with **composite** production. In 1992, a cooperative hatchery supplementation program was begun on Salmon Creek using naturally returning Salmon Creek summer chum as broodstock. Adult summer chum produced in the program began to return in 1995 and have contributed to the production of this stock