

PUYALLUP – FENNEL CREEK FALL CHUM

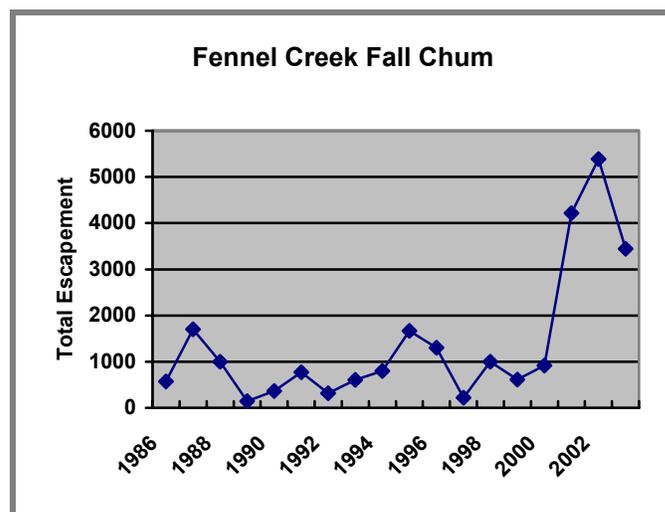
STOCK STATUS

1992 STATUS	2002 STATUS
Healthy	Healthy

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

YEAR	TOTAL ESCAPEMENT
1986	573
1987	1,703
1988	1,002
1989	146
1990	362
1991	769
1992	317
1993	609
1994	800
1995	1,668
1996	1,302
1997	217
1998	1,002
1999	614
2000	918
2001	4,214
2002	5,389
2003	3,447



Data are total escapement estimates based on serial index area counts of adult spawners in Fennel Creek (RM 0.0 – 1.9), and Canyonfalls Creek (RM 0.3 to 0.6).

The status of Fennel Creek fall chum is rated **Healthy** in 2002. The escapements for this stock have been strong since the early-1980s with extraordinary escapements in excess of 1,600 spawners in 1980, 1987 and 1995.

STOCK DEFINITION

Fennel Creek fall chum were identified as a stock based on their distinct spawning distribution and genetic composition.

SPAWNING DISTRIBUTION: Most spawning takes place in the mainstem Puyallup River between the Carbon and White rivers and in tributaries such as Fennel and Canyonfalls creeks.

SPAWNING TIMING: Spawning generally occurs from mid-December through early January.

PUYALLUP – HYLEBOS CREEK FALL CHUM

GENETIC ANALYSIS: Allozyme analysis has shown that Fennel Creek fall chum are different from the Hood Canal stock used in a discontinued egg box program on Fennel Creek (Phelps et al. 1995).

STOCK ORIGIN

This is a stock of **unknown** origin with **wild** production. Prior to the introduction of hatchery fish from Hood Canal, the native escapement was less than 200 spawners. Escapement levels increased as a result of the egg box project, which has been discontinued. The stock is now sustained entirely by wild production.