

WILLAPA BAY – WILLAPA FALL CHINOOK

In 1992 Willapa (River) Chinook were part of the Willapa Bay stock.

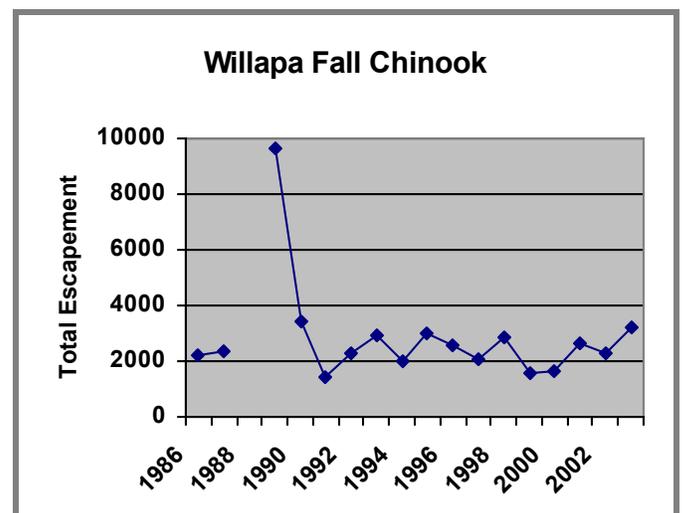
STOCK STATUS

1992 STATUS Not rated	2002 STATUS Healthy
---------------------------------	-------------------------------

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Fair

YEAR	TOTAL ESCAPEMENT
1986	2,206
1987	2,340
1988	No data
1989	9,668
1990	3,432
1991	1,439
1992	2,257
1993	2,912
1994	1,969
1995	2,995
1996	2,582
1997	2,043
1998	2,867
1999	1,586
2000	1,661
2001	2,658
2002	2,318
2003	3,223



Data are total escapement estimates based on redd counts in index areas of the Willapa River basin.

Willapa Chinook escapements have been quite stable and within the normal range of variation for this stock except for the very high value in 1989. There is no evidence of a negative trend in escapement, so stock status is rated **Healthy** in 2002.

STOCK DEFINITION

Willapa fall Chinook were identified as a stock based on their distinct spawning distribution.

SPAWNING DISTRIBUTION: Most spawning takes place in the mainstem Willapa and South Fork Willapa rivers and Trap Creek. Spawning also occurs in Rue, Mill, Half Moon and Garbage Dump creeks.

SPAWNING TIMING: Spawning generally occurs from October to mid-November.

GENETIC ANALYSIS: Genetic analysis has not been done on Willapa fall Chinook.

WILLAPA BAY – WILLAPA FALL CHINOOK

STOCK ORIGIN

This is a **mixed** stock with **composite** production. There has been a long history of releases of non-native hatchery Chinook into the Willapa River, and there is a large Chinook hatchery program at the WDFW Forks Creek Hatchery