

STRAIT OF JUAN DE FUCA -DEEP CREEK/EAST & WEST TWIN FALL CHUM

STOCK STATUS

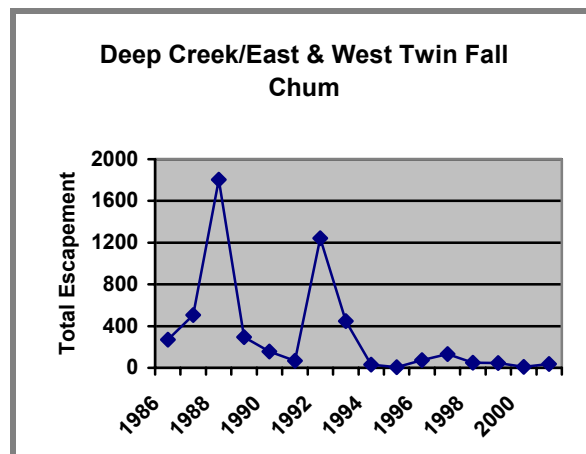
1992 STATUS	2002 STATUS
Healthy	Depressed

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK

STATUS: Fair

YEAR	TOTAL ESCAPEMENT
1986	271
1987	505
1988	1,804
1989	295
1990	155
1991	66
1992	1,243
1993	448
1994	32
1995	7
1996	73
1997	131
1998	50
1999	45
2000	8
2001	37
2002	58
2003	17



Data are total escapement estimates based on counts of live plus dead spawners in Deep Creek from RM 0.2 to 2.5. High flows and turbidity make consistent survey effort difficult in November and December.

Escapements for Deep Creek/East & West Twin fall chum increased substantially from the 1980s through the early 1990s. Escapements have been very poor following a catastrophic slope failure in the Deep Creek drainage in 1994. Stock status is **Depressed** in 2002 because of **chronically low** escapements.

STOCK DEFINITION

Deep Creek/East & West Twin fall chum were identified as a stock based on their distinct spawning distribution.

STRAIT OF JUAN DE FUCA -DEEP CREEK/EAST & WEST TWIN FALL CHUM

SPAWNING DISTRIBUTION: Most spawning takes place in lower Deep Creek.

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

GENETIC ANALYSIS: Allozyme analysis has shown that Deep Creek/East & West Twin fall chum are genetically distinct from all other Washington chum stocks examined (Phelps et al. 1995).

STOCK ORIGIN

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