

UPPER COLUMBIA – WHITE RIVER (WENATCHEE) SPRING CHINOOK

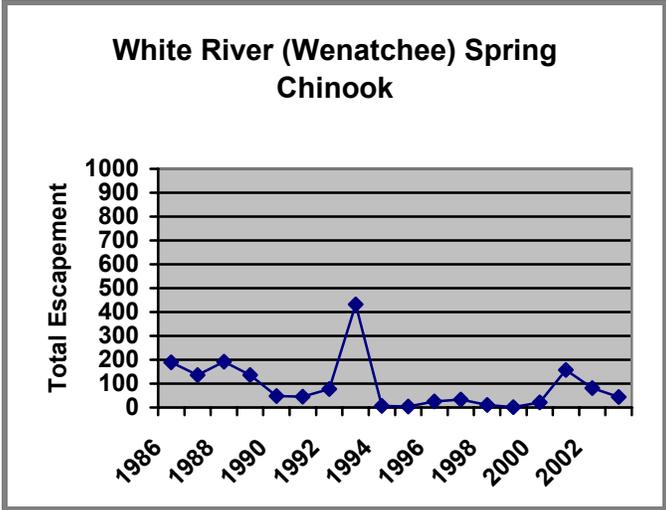
STOCK STATUS

1992 STATUS Depressed	2002 STATUS Critical
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

YEAR	TOTAL ESCAPEMENT
1986	189
1987	136
1988	192
1989	136
1990	48
1991	46
1992	77
1993	432
1994	7
1995	4
1996	26
1997	33
1998	11
1999	2
2000	21
2001	158
2002	82
2003	44



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Data are total escapement estimates based on redd counts in the White River.

Stock status is rated **Critical** in 2002 because of **chronically low** escapements. Spawner numbers were so low from 1994 through 2000 that genetic damage to the stock may have occurred.

STOCK DEFINITION

White River spring Chinook were identified as a stock based on their distinct spawning distribution.

SPAWNING DISTRIBUTION: Spawning takes place in the mainstem White River, mostly above the confluence with the Nappequa River.

SPAWNING TIMING: Spawning generally occurs from early August to mid-September.

GENETIC ANALYSIS: Allozyme analysis has shown the White River spring Chinook are genetically distinct from other Columbia River Chinook stocks examined (Marshall et al. 1995).

STOCK ORIGIN

This is thought to be a **native** stock with **wild** production. However, the stock may have been affected by releases of non-native spring Chinook into the Wenatchee River basin during the Grand Coulee Fish Maintenance Project (1939 to 1943).