

MID-COLUMBIA – KLICKITAT SPRING CHINOOK

STOCK STATUS

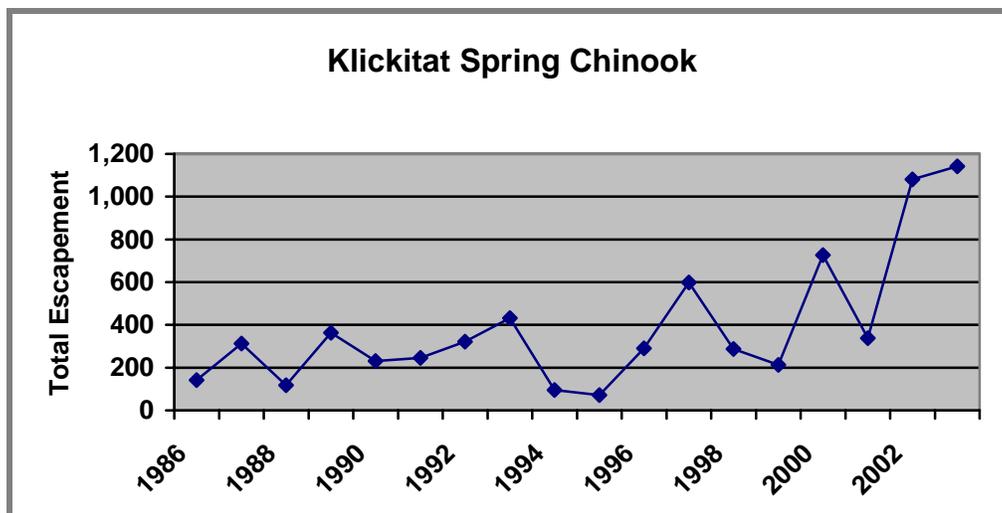
1992 STATUS
Depressed

2002 STATUS
Depressed

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

YEAR	TOTAL ESCAPEMENT	YEAR	TOTAL ESCAPEMENT
1986	142	1995	72
1987	312	1996	290
1988	118	1997	599
1989	363	1998	288
1990	231	1999	213
1991	245	2000	726
1992	322	2001	338
1993	432	2002	1,081
1994	96	2003	1,142



Data are total escapement estimates expanded from redd counts from float surveys from the WDFW Klickitat Hatchery downstream to Twin Bridges, a distance of about 26 miles

Stock status is rated **Depressed** in 2002 because of **chronically low** escapements. Abundance numbers have fluctuated over the past decade, but have not changed significantly since 1992.

STOCK DEFINITION

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

SPAWNING DISTRIBUTION: Most spawning takes place in the mainstem from Parott's Bridge (RM 40) upstream to McCormick Meadows (RM 80). Spawning is concentrated from RM 60.7 up to Castile Falls (RM 64.2).

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SPAWNING TIMING: Spawning generally occurs from early August through early September.

GENETIC ANALYSIS: Allozyme analysis of Klickitat spring Chinook sampled from 1990 to 1993 has shown that they are genetically distinct from other Chinook stocks in the Columbia River basin (Meyers et al. 1998). They are most similar to Lewis spring Chinook (Marshall et al. 1995).

STOCK ORIGIN

This is a **mixed** stock with **composite** production. Spring Chinook are native to the Klickitat. However, there is long history of hatchery releases of non-native stocks such as Carson, Willamette and Cowlitz Chinook. The current Klickitat Hatchery spring Chinook program releases 200,000 spring Chinook fingerlings and 600,000 yearlings annually.