

GRAYS HARBOR – WISHKAH FALL CHINOOK

STOCK STATUS

1992 STATUS

Healthy

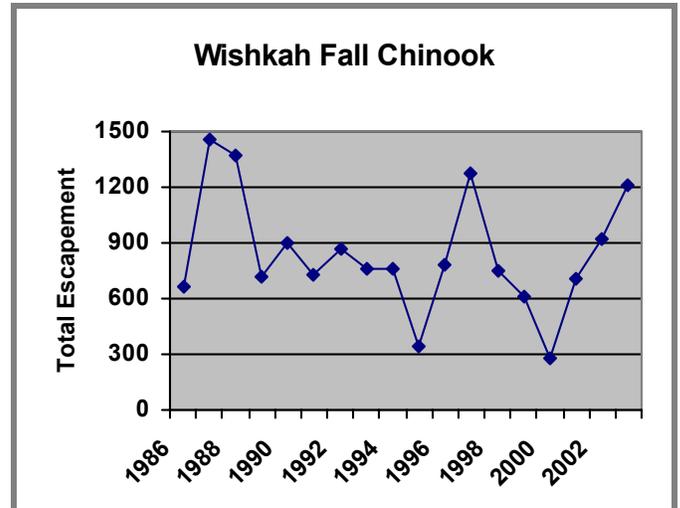
2002 STATUS

Healthy

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

YEAR	TOTAL ESCAPEMENT
1986	664
1987	1462
1988	1367
1989	719
1990	897
1991	732
1992	863
1993	760
1994	756
1995	343
1996	785
1997	1270
1998	755
1999	606
2000	277
2001	706
2002	921
2003	1,215



Data are total escapement estimates based on redd counts within intensive and supplemental index areas expanded to basin-wide totals. Index areas surveyed include the Middle Fork Wishkah River (RM 16.7 to 21.5 – Supplemental, RM 21.5 to 24.5 and RM 24.5 to 29.4 – Supplemental), West Fork Wishkah River (RM 0.0 to 1.8 – Supplemental and RM 8.1 to 9.8) and East Fork Wishkah River (RM 3.2 to 5.9 – Supplemental). Surveyed tributaries may include Cedar and Hopper creeks.

Wishkah fall Chinook have experienced fairly stable escapements ranging from about 300 to 900 spawners, except for 1988 and 1997 when escapements were unusually high. There is no consistent negative trend. Stock status is rated **Healthy** in 2002.

STOCK DEFINITION

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

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SPAWNING DISTRIBUTION: Most spawning takes place in the mainstem Wishkah River. Fewer spawners are observed in the east and west forks of the Wishkah River.

SPAWNING TIMING: Spawning generally occurs from mid-October through early December, with a peak in late October to early November.

GENETIC ANALYSIS: Wishkah River fall Chinook spawners were sampled in 1990 and 1993, and allele frequencies were significantly different from those of other Washington Chinook stocks examined, except for Wynoochee River fall Chinook (Marshall 2002).

STOCK ORIGIN

This is a **native** stock with **wild** production. In the 1980s native Chinook were collected for hatchery broodstock. That program ended in late 1980s, and spawning is now entirely wild.