

LOWER COLUMBIA – EAST FORK LEWIS FALL CHINOOK

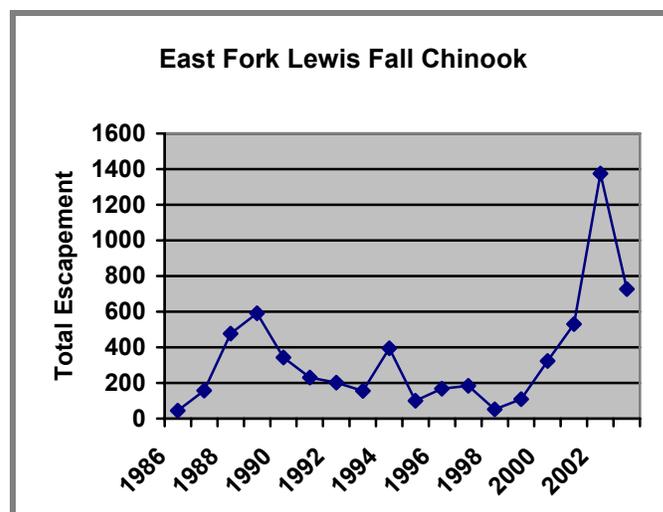
STOCK STATUS

1992 STATUS Healthy	2002 STATUS Depressed
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: *Good*

YEAR	TOTAL ESCAPEMENT
1986	445
1987	157
1988	476
1989	591
1990	342
1991	230
1992	202
1993	156
1994	395
1995	100
1996	167
1997	184
1998	52
1999	109
2000	323
2001	530
2002	1,375
2003	727



Data are total escapement estimates based on annual peak live plus dead spawner counts from the ramp at Lewisville County Park (RM 13) downstream to Daybreak Park, a distance of 4.2 miles.

Stock status is rated **Depressed** in 2002 because of a **long-term negative trend** in escapements. There has been a moderate increase in 2000 and 2001.

STOCK DEFINITION

East Fork Lewis fall Chinook were identified as a stock based on their distinct spawning distribution and spawning timing. The stock has a tule fall Chinook component and a “bright” fall Chinook component.

SPAWNING DISTRIBUTION: Most spawning takes place in the four-mile stretch from Daybreak Park upstream to Lewisville.

SPAWNING TIMING: Two distinct spawning peaks are evident. Early fish spawn mainly in October, like tule fall Chinook, while late fish generally spawn from November through January, like “bright” fall Chinook.

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GENETIC ANALYSIS: Allozyme analysis has shown that East Fork Lewis fall Chinook are genetically distinct from most Lower Columbia Chinook stocks examined but are most similar to Lewis fall Chinook.

STOCK ORIGIN

This is a **native** stock with **wild** production. Hatchery fish have never been released into the East Fork Lewis River.