

QUILLAYUTE – DICKEY FALL CHINOOK

STOCK STATUS

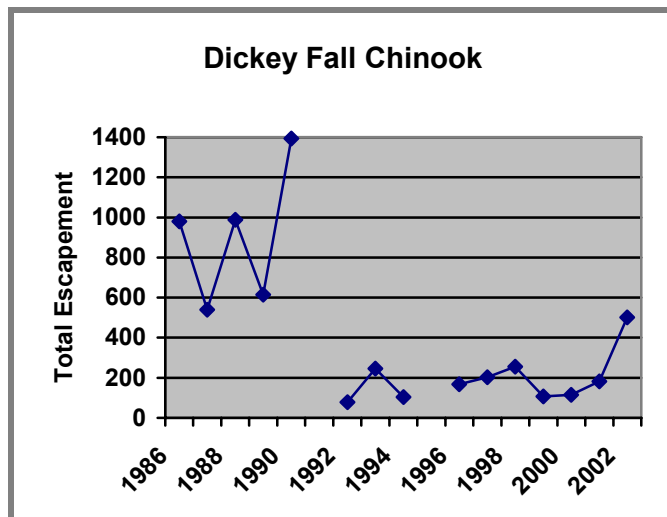
1992 STATUS
Healthy

2002 STATUS
Unknown

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Poor

YEAR	TOTAL ESCAPEMENT
1986	980
1987	540
1988	988
1989	615
1990	1,393
1991	No data
1992	78
1993	246
1994	104
1995	No data
1996	168
1997	203
1998	255
1999	107
2000	115
2001	182
2002	501



Data are total escapement estimates based on redd counts in index areas on the mainstem Dickey River (RM 5.1 to 8.0, RM 1.0 to 5.1 - Supplemental and RM 18.5 to 19.5) and in Colby Creek, East Fork Dickey and West Fork Dickey rivers.

Escapements dropped sharply after 1990 and have remained low. Stock status is rated **Unknown** in 2002 due to poor survey conditions and because spawner survey information has been incomplete for six of the last ten years. Escapements were partially or completely estimated using correlations with other rivers in the system, therefore the usefulness of the estimates for rating stock status is poor. The lower escapements may possibly be more of a function of bad survey conditions than actual declines. From 1988 through 1990, escapement estimates for nearly all coastal Chinook stocks were unusually high resulting in extraordinary production from 1984 brood. Comparisons made with future escapement estimates may not reflect an accurate depiction of the current health of this stock.

STOCK DEFINITION

Dickey fall Chinook were identified as a stock based on their distinct spawning distribution, later river entry timing (September to late November), and spawning timing.

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SPAWNING DISTRIBUTION: Most spawning takes place in the mainstem, East Fork and Middle Fork Dickey rivers.

SPAWNING TIMING: Spawning generally occurs from late October to early December.

GENETIC ANALYSIS: Genetic analysis has not been done on Dickey fall Chinook stock.

STOCK ORIGIN

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