

SNOHOMISH - SNOQUALMIE CHINOOK

The four Snohomish basin Chinook stocks originally described in the 1992 SASSI have been reorganized into two stocks--Skykomish and Snoqualmie--following the Chinook population delineation used by the Puget Sound Technical Recovery Team (Puget Sound TRT 2001). The Snoqualmie Chinook stock is composed of fish from the 1992 SASSI Snohomish fall Chinook stock that spawn in the Snoqualmie River and its tributaries.

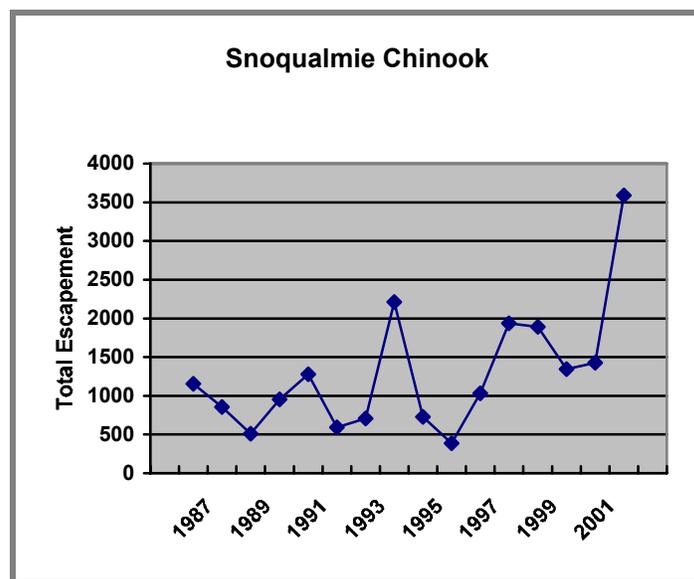
STOCK STATUS

1992 STATUS Not rated	2002 STATUS Depressed
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

YEAR	TOTAL ESCAPEMENT
1986	1,157
1987	855
1988	509
1989	952
1990	1,277
1991	591
1992	706
1993	2,213
1994	728
1995	385
1996	1,032
1997	1,937
1998	1,892
1999	1,344
2000	1,427
2001	3,589



Data are total escapement estimates based on total redd counts for the basin from surveys conducted on the mainstem Snoqualmie, Tolt, and Raging rivers and Tokul Creek.

Stock status is rated **Depressed** in 2002 due primarily to low productivity. The mean number of spawners for brood years 1988 through 1997 is 1,052. The expected mean number of recruits would be 8,923, however the observed mean number of recruits is 3,520. In addition, the mean number of spawners is less than the recovery goal of 5,500 established for the stock by EDT analysis (Koenings and Williams 2002). The status of this stock is subject to change as values for recruits, provided by NOAA Fisheries, change during on-going analyses.

STOCK DEFINITION

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

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SPAWNING DISTRIBUTION: Spawning takes place throughout the Snoqualmie River and major tributaries including Raging and Tolt rivers and Tokul Creek.

SPAWNING TIMING: Spawning generally occurs from mid-September through October but can be later in some years.

GENETIC ANALYSIS: Allozyme analysis has shown that this stock is genetically distinct from all other Puget Sound Chinook stocks examined (Marshall 1997).

STOCK ORIGIN

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