

GRAYS HARBOR – SKOOKUMCHUCK/NEWAUKUM WINTER STEELHEAD

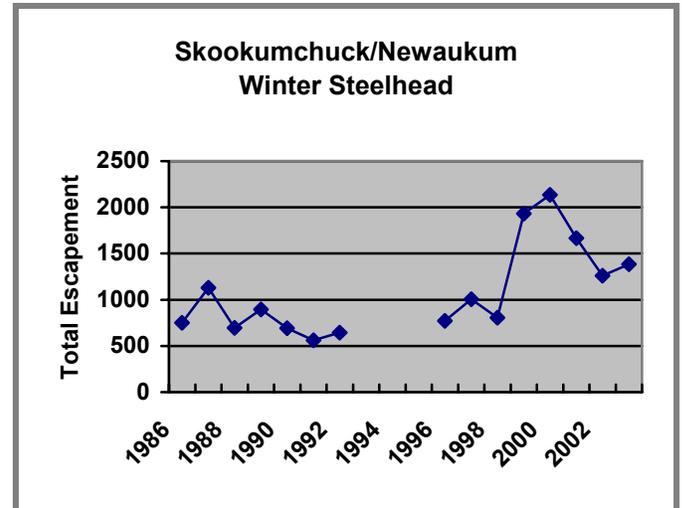
STOCK STATUS

1992 STATUS Depressed	2002 STATUS Healthy
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Fair

YEAR	TOTAL ESCAPEMENT
1986	752
1987	1,128
1988	694
1989	894
1990	692
1991	562
1992	644
1993	No data
1994	No data
1995	No data
1996	771
1997	1,006
1998	807
1999	1,932
2000	2,136
2001	1,667
2002	1,262
2003	1,384



Data are total escapement estimates based on redd counts in index areas within the Newaukum and lower Skookumchuck rivers plus dam counts for the upper Skookumchuck River.

The status of Skookumchuck/Newaukum winter steelhead is rated **Healthy** in 2002. The escapement goal is 1,429 adults and has been achieved for three out of the last six years. Most of the increase in abundance has occurred in the Newaukum River. There is still a concern about the abundance of the Skookumchuck River component of this stock.

STOCK DEFINITION

Skookumchuck/Newaukum winter steelhead were identified as a stock based on their distinct spawning distribution.

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SPAWNING DISTRIBUTION: Most spawning takes place in the Skookumchuck, Newaukum, North, Middle and South Forks Newaukum rivers. Spawning also takes place in tributaries such as North Hanaford, Thompson, Lucas, Bernier, Mitchell and Kearney creeks.

SPAWNING TIMING: Spawning generally occurs from mid-February through mid-June.

GENETIC ANALYSIS: Genetic analysis has not been done on Skookumchuck/Newaukum winter steelhead.

STOCK ORIGIN

This is a **native** stock with **composite** production. Hybridization with hatchery adults originating from native Skookumchuck River fish has likely been occurring since 1976 due to similar spawning timing of native and hatchery stocks in both rivers.