

STILLAGUAMISH –STILLAGUAMISH PINK

In 1992 two Stillaguamish basin pink salmon stocks were identified: North Fork Stillaguamish pinks and South Fork Stillaguamish pinks. The two stocks have now been combined into a single stock based on genetic analyses (Shaklee 2001) that showed no compelling evidence for the existence of more than one pink salmon stock in the Stillaguamish basin.

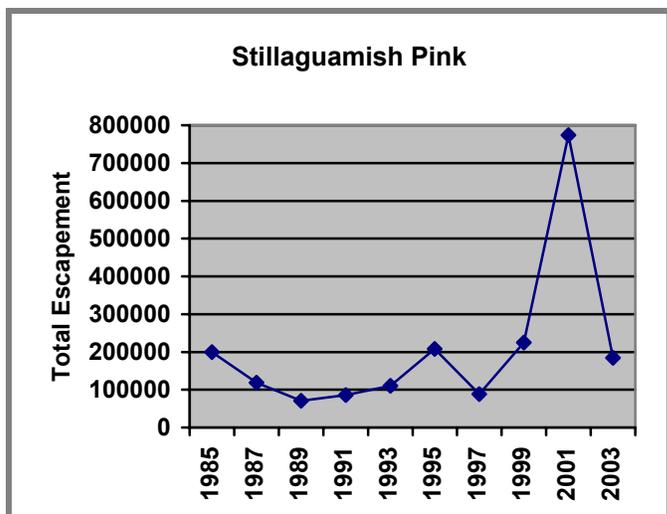
STOCK STATUS

1992 STATUS Healthy	2002 STATUS Healthy
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: *Good*

YEAR	TOTAL ESCAPEMENT
1985	200,000
1987	119,000
1989	70,400
1991	86,000
1993	110,000
1995	208,000
1997	88,572
1999	224,486
2001	774,279
2003	184,433



Data are total escapement estimates based on annual live spawner curves in the North and South forks of the Stillaguamish. Counts in the North Fork are made in the mainstem between RM 27 and RM 34 and in Squire, Boulder and Grant creeks. Counts in the South Fork are made in the mainstem and in Pilchuck, Jim, Siberia, and Canyon creeks. The live spawner curves are compared to curves from 1959, 1961, 1963 and/or 1987 when mark-and-recapture tagging studies were conducted.

Stock status is rated **Healthy** in 2002. Escapements have been increasing since 1975 with very large escapements (in excess of 150,000 spawners) in 1995, 1999, 2001 and 2003.

STOCK DEFINITION

Stillaguamish pink salmon were identified as a stock based on their distinct spawning distribution and genetic composition.

SPAWNING DISTRIBUTION: Most spawning takes place in the mainstem Stillaguamish, the North Fork, South Fork and their larger tributaries. Spawning usually occurs in North Fork tributaries such as Squire and Boulder creeks. If sufficient flows exist, spawning may also take place in Grant, French, Segelsen and Brown's creeks. Spawning in the South Fork takes place up to RM 34 and in Pilchuck, Jim, Siberia and Canyon creeks.

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SPAWNING TIMING: Spawning generally occurs from late September through October in odd-numbered years.

GENETIC ANALYSIS: Recent allozyme analysis has found no significant differences between the North and South Fork Stillaguamish pink stocks. In addition, there is evidence of significant gene flow among pink salmon in the Skagit, Stillaguamish and Snohomish (odd-year stock) basins (Shaklee 2001).

STOCK ORIGIN

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