

HOOD CANAL - DEWATTO COHO

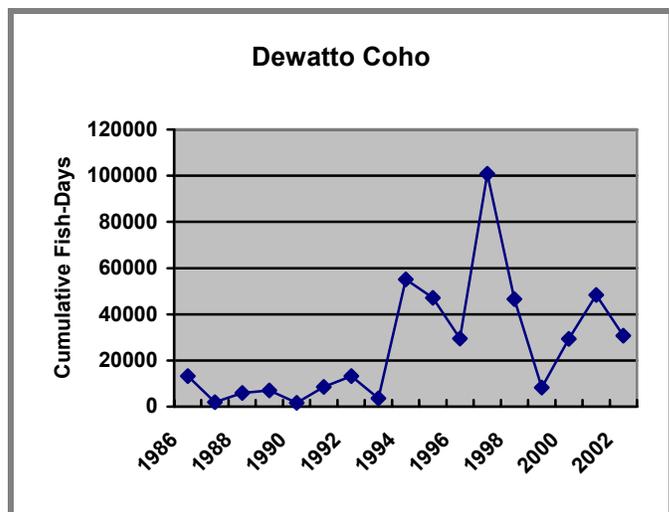
STOCK STATUS

1992 STATUS Depressed	2002 STATUS Healthy
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

YEAR	CUMULATIVE FISH-DAYS
1986	13,285
1987	1,902
1988	5,862
1989	6,986
1990	1,605
1991	8,509
1992	13,293
1993	3,615
1994	55,073
1995	47,153
1996	29,432
1997	100,879
1998	46,539
1999	8,257
2000	29,349
2001	48,291
2002	30,704



Data are season cumulative fish-days from live spawner counts from the Dewatto River (RM 4.8 to 7.5) and Windship Creek (RM 1.1 to 1.6). The escapement indicator values (fish-days) for 1994 to 2001 (except 1999) were 2 to 12 times higher than the mean of the 1987-1991 values. There was a marked decline from 1998 to 2000, but escapement values were still higher than any values prior to 1994. Since cumulative fish-days on the order of 30,000 to 50,000 convert to about 2,000 to 4,000 coho adults in 3.2 miles of index stream, this stock is rated **Healthy** in 2002.

STOCK DEFINITION

Dewatto coho were identified as a stock based upon their distinct spawning distribution.

SPAWNING DISTRIBUTION: Spawning takes place throughout the Dewatto watershed.

SPAWNING TIMING: Spawning generally occurs from November to early January.

GENETIC ANALYSIS: Allozyme analysis of Dewatto coho sampled in 1994 to 1996 showed them to be significantly different from all other Washington coho stocks examined (David Teel, NMFS, personal communication).

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STOCK ORIGIN

This is a **mixed** stock with **wild** production. Releases of non-native hatchery-origin coho yearlings (George Adams, Dungeness and Minter Creek (South Sound) stocks) occurred between 1954 and 1979. There have also been releases of Minter Creek, Quilcene, Soos Creek (Green River), Skykomish, and George Adams fish. This stock is likely a mixture of the native and introduced non-native stocks.