

QUILLAYUTE – DICKEY WINTER STEELHEAD

STOCK STATUS

1992 STATUS
Healthy

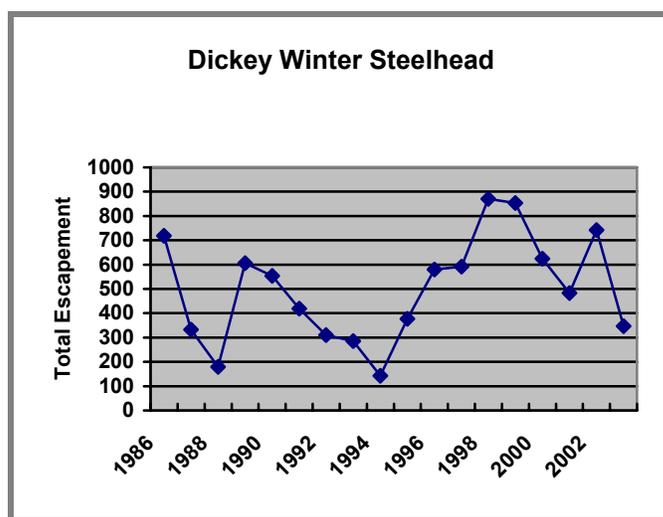
2002 STATUS
Healthy

Winter steelhead spawner escapement has been monitored for the Quillayute River system, which includes the Sol Duc, Quillayute/Bogachiel, Calawah and Dickey steelhead stocks, since 1978. In 1985, WDFW and the Quileute Tribe agreed to a wild steelhead spawner escapement goal of 5,900 for the entire Quillayute River system.

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Excellent

| YEAR | TOTAL ESCAPEMENT |
|------|------------------|
| 1986 | 719 |
| 1987 | 332 |
| 1988 | 179 |
| 1989 | 606 |
| 1990 | 554 |
| 1991 | 419 |
| 1992 | 310 |
| 1993 | 285 |
| 1994 | 143 |
| 1995 | 377 |
| 1996 | 580 |
| 1997 | 591 |
| 1998 | 871 |
| 1999 | 854 |
| 2000 | 624 |
| 2001 | 483 |
| 2002 | 742 |
| 2003 | 347 |



Data are total escapement estimates based upon redd counts in index reaches and supplemental survey observations. Index areas surveyed include Dickey River (RM 5.1 to RM 8.0), East Fork Dickey River (RM 5.7 to 8.0 and RM 13.2 to 15.5), Middle Fork Dickey River (RM 0.0 to RM 2.9) and Colby Creek (RM 1.0 to 2.3). Supplemental survey areas include the mainstem Dickey River and the east and middle forks of the Dickey River as well as Colby, Gunderson, Skunk and Fluharty creeks.

Since 1978 the entire escapement for the Quillayute system has averaged 10,205, of which 5% spawned in the Dickey River watershed. Since 1992, winter steelhead escapements in the Dickey River have ranged from 143 to 871 and averaged 512. During the past five seasons the Dickey

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River and Quillayute system escapements have averaged 685 and 14,251, respectively. This stock is again rated **Healthy** in 2002.

STOCK DEFINITION

Dickey winter steelhead were identified as a stock based on their distinct spawning distribution.

SPAWNING DISTRIBUTION: Spawning takes place in the mainstem Dickey River, in the east, west and middle forks of the Dickey River. Spawning also takes place to a lesser extent in Coal, Colby, Thunder, Gunderson, Skunk and Fluharty creeks as well as unnamed tributaries 20.0114, 20.0129, 20.0139 and 20.0141.

SPAWNING TIMING: Spawning generally occurs from mid-March to June.

GENETIC ANALYSIS: Allozyme analysis has shown this stock to be genetically distinct compared to other North Coast steelhead samples included in the study (Allendorf 1975).

STOCK ORIGIN

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