

# QUILLAYUTE – LAKE PLEASANT SOCKEYE

## STOCK STATUS

**1992 STATUS**

Unknown

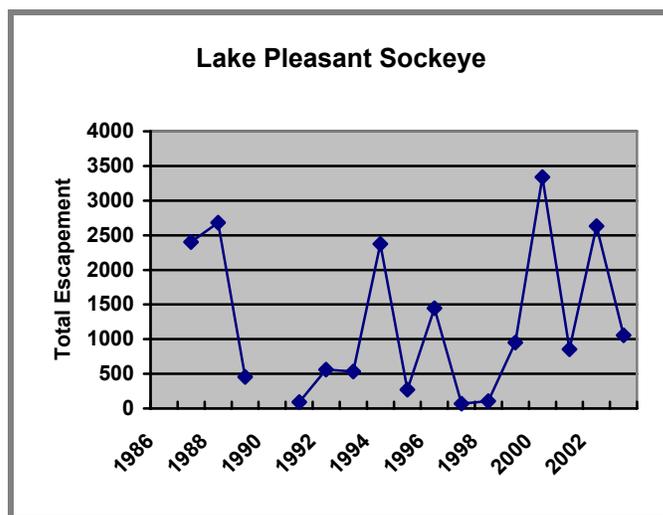
**2002 STATUS**

Healthy

## STOCK STATUS RATING DATA

**USEFULNESS FOR RATING STOCK STATUS: FAIR**

PEAK LIVE SPAWNER COUNTS	
YEAR	
1986	No data
1987	2402
1988	1,684
1989	453
1990	No data
1991	90
1992	562
1993	531
1994	2,373
1995	273
1996	1,445
1997	69
1998	105
1999	952
2000	3,337
2001	852
2002	2,631
2003	1,055



Data are peak live spawner counts made along the shore of Lake Pleasant (RM 2.8 to 4.8).

Although peak counts are variable, production in the lake appears to be fairly stable. There is no evidence of a negative trend in peak counts, and numbers are consistent with expectations for production in the lake. Status is rated **Healthy** in 2002.

## STOCK DEFINITION

Lake Pleasant sockeye were identified as a stock based on their distinct spawning distribution.

**SPAWNING DISTRIBUTION:** Most spawning takes place along the northeast lakeshore of Lake Pleasant. Lower spawner densities are seen on the north shore and along the west shore of the lake.

**SPAWNING TIMING:** Spawning generally occurs from late November through early January.

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**GENETIC ANALYSIS:** Allozyme analysis has shown that Lake Pleasant sockeye are genetically distinct from all other Washington sockeye stocks examined. (Gustafson et al.1997)

## **STOCK ORIGIN**

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