

MID-COLUMBIA – YAKIMA SUMMER STEELHEAD

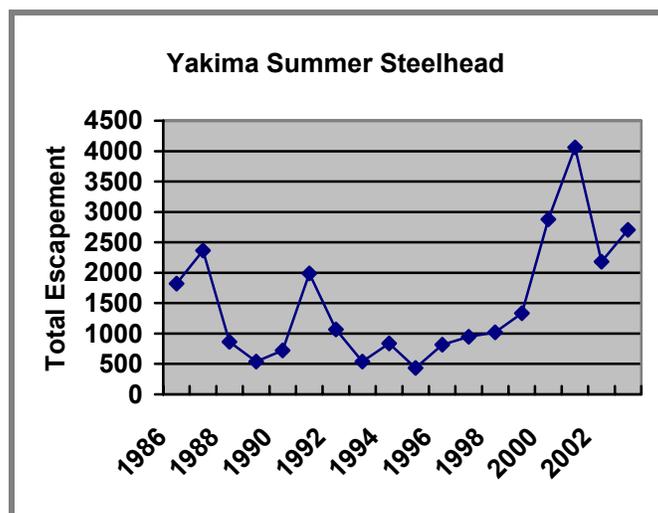
STOCK STATUS

| | |
|---------------------------------|---------------------------------|
| 1992 STATUS Depressed | 2002 STATUS Depressed |
|---------------------------------|---------------------------------|

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

| YEAR | TOTAL ESCAPEMENT |
|------|------------------|
| 1986 | 1,822 |
| 1987 | 2,365 |
| 1988 | 864 |
| 1989 | 539 |
| 1990 | 721 |
| 1991 | 1,986 |
| 1992 | 1,068 |
| 1993 | 540 |
| 1994 | 838 |
| 1995 | 436 |
| 1996 | 816 |
| 1997 | 948 |
| 1998 | 1,018 |
| 1999 | 1,334 |
| 2000 | 2,879 |
| 2001 | 4,061 |
| 2002 | 2,182 |
| 2003 | 2,705 |



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Data are total escapement estimates based on counts at Prosser Dam plus tribal harvest below Prosser minus sport and tribal harvest above Prosser.

The escapement goal for this stock is 2,000 adults. Stock status is rated **Depressed** in 2002 because of **chronically low** escapement values from 1993 to 2000.

STOCK DEFINITION

Yakima summer steelhead were identified as a stock based on their distinct spawning distribution.

SPAWNING TIMING: Most spawning takes place in Yakima River tributaries such as Satus, Toppenish, Umtanum, and Squaw creeks, Naches River, Rattlesnake Creek, Little Naches and Bumping rivers and other tributaries of the Naches and upper Yakima. Some spawning also takes place in Cle Elum and Teanaway rivers and may occur in Taneum and Big creeks.

SPAWNING TIMING: Spawning generally occurs from early March through early June.

Genetic Analysis: Allozyme analysis of collections from several locations in the Yakima system from 1991 through 1994 has shown that multiple stocks are present in the Yakima system (Phelps et al. 1997).

STOCK ORIGIN

This is a **native** stock with **wild** production. Summer steelhead are native to the Yakima river, however interbreeding with non-native Skamania and Wells hatchery stocks may have occurred. Between 1986 and 1990 only native Yakima River steelhead were used in a hatchery supplementation program.