

Stanislaus River Juvenile Outmigration Summary # 18

May 19th - May 25th, 2003

Note: Data is preliminary and subject to revision.

Oakdale:

The trap resumed sampling the evening of May 19th and continued to sample through May 23rd. A total of 158 Chinook were captured during the week increasing the season total to 91,104. Total catch this week was less than half the total catch from the previous. Daily catch ranged between 35 and 44 Chinook. Mean forklength for the week was 82.3 mm (range: 54 mm to 98 mm), which was a 1.7 mm increase over the previous week. Mean weight increased 1.1 g over the previous week to 6.7 g. A 248 mm (SI 5) trout was captured on May 23rd increasing the season total to 35 at Oakdale. The trap was raised on May 23rd due to low and stable daily catch.

This week we did not observe any significant discrepancies between the Orange Blossom Bridge (OBB) and Goodwin (GDW) gauges. Flow at OBB decreased from 971 cfs to 658 cfs throughout the week due to decreases in discharge from GDW. Turbidity remained stable between 1.2 NTU and 1.7 NTU, and water temperature ranged from 57 to 60 degrees Fahrenheit.

One CWT fish was captured in the Oakdale trap on May 22nd increasing the total captured to 137.

Caswell:

The traps resumed sampling the evening of May 19th and continued to sample through May 23rd. A total of 94 Chinook were captured during the week increasing the season total to 13,950. Daily catch ranged between 6 and 36 Chinook. Mean forklength for the week increased 1.2 mm over the previous week to 84.4 mm (range: 68 mm to 104 mm). Mean weight increased 0.4 g over the previous week to 6.3 g. No trout were captured at Caswell this week. The traps were raised on May 23rd due to low and stable catches.

Flow at Ripon (RIP) increased approximately 25 cfs during the first 3 days of the week and then gradually decreased throughout the remainder of the week (range: 653 cfs to 971 cfs) due to variable releases in discharge at GDW. Turbidity ranged between 2.1 NTU and 3.7 NTU, and temperature ranged between 60 degrees and 62 degrees Fahrenheit.

No CWT fish were captured during the week at Caswell.

One trap efficiency release was conducted at Caswell during the week using the traditional method (check livebox ~ 1 hour after release). A total of 27 natural Chinook marked caudal fin pink (CFP) were released on the night of May 21st. Flow at release was 971 cfs at RIP and turbidity was 3.7 NTU at Caswell. The estimated trap efficiency was 14.8%, and mean length was 82.5 mm at release and 80.0 mm at recapture. Trap efficiency was similar to the results of previous tests conducted this year during similar flows using fish of similar size.