



May 24 through June 8, 2004

Chinook Outmigration

The traps fished twelve out of sixteen possible days between May 24 and June 8 and captured only 1 Chinook salmon (May 26; 87 mm), increasing the season total to 509 (Figure 1).

With only one salmon captured in the last three weeks of trapping, we saw little value in continuing the monitoring effort this year and sampling was terminated on June 8.

No trout were captured during the sampling period.

Environmental Data

Flow at La Grange (LGN) ranged between 105 cfs and 182 cfs between May 24 and June 8 (Figure 2). Flow at Modesto (MOD) ranged from 282 cfs to 385 cfs as reported by USGS.

Turbidity at Grayson varied between 2.2 NTU and 4.9 NTU and instantaneous water temperature measured at the traps fluctuated between 67°F and 72°F during the sampling period. Average daily water temperature at Modesto steadily increased from 70°F on May 24 to 75°F on June 6, and then declined to 73°F by June 8 (Figure 2).

Other Species

A total of 11 non-salmonid species were captured in the traps during the sampling period including bluegill, channel catfish, green sunfish, lamprey, largemouth bass, mosquito fish, inland silverside, red shiner, Sacramento blackfish, smallmouth bass and white catfish. Of these, smallmouth (n = 781) and largemouth (n = 440) bass were the most abundant individuals captured and were 16 mm to 40 mm in length. In addition, there were several bass captured that were too small to be identified.

The next most abundant non-salmonid species was white catfish (n = 46) that measured between 34 mm and 315 mm. Similar to the bass, there were several catfish (n=29) captured that were too small to be identified (range: 10 mm to 18 mm; μ = 13 mm). Daily catch of other non-salmonids species ranged between 1 and 28 individuals.

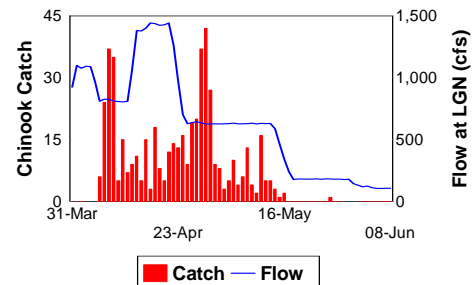


Figure 1. Daily Chinook catch and Tuolumne River flow at La Grange (LGN).

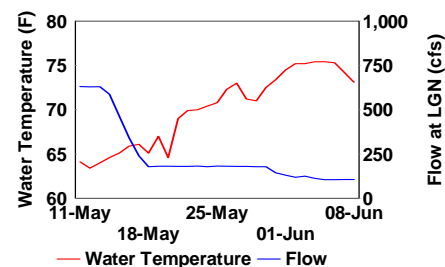


Figure 2. Daily water temperature at Modesto (MOD) and Tuolumne River flow at La Grange (LGN) between May 11 and June 8, 2004.



Top photo: unidentified catfish. Middle photo: young-of-the-year largemouth bass. Bottom photo: young-of-the-year smallmouth bass.