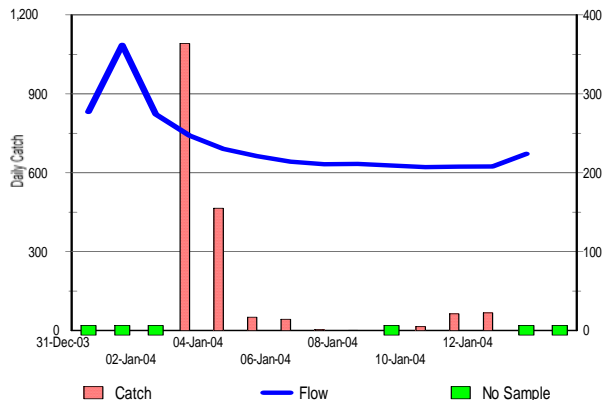
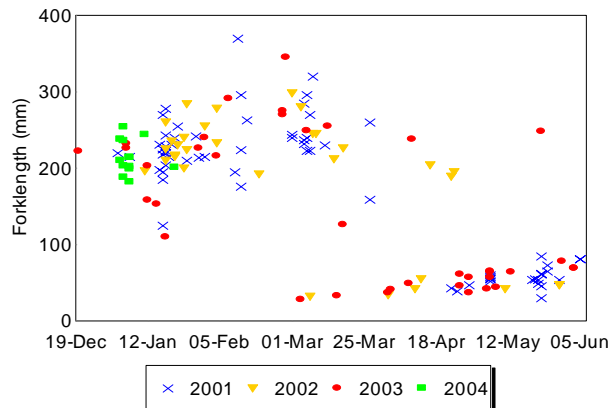


Oakdale Outmigration

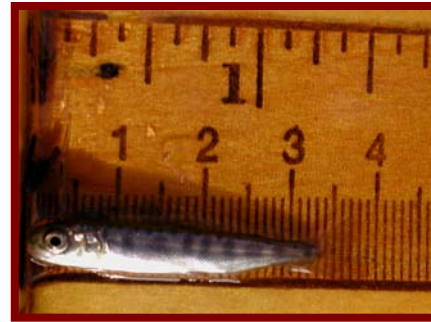
During the second week of trapping at Oakdale, the rotary screw trap was raised on January 8, following six consecutive days of trapping, because the catch dropped to as low as one Chinook per day. The trap resumed sampling on January 10 and continued through January 12. The trap was raised on January 13 due to consistent catch trends, but will be redeployed within the next few days to maintain a representative sampling schedule.



Daily chinook catch and flow at Orange Blossom on the Stanislaus River.



A scatter-plot of *O. mykiss* captured at Oakdale from 2001-2004.



A Chinook salmon fry captured in the Oakdale rotary screw trap.

Between January 10th and January 12th, a total of 147 Chinook were captured, ranging from 32mm to 38mm in fork-length ($\mu=35\text{mm}$). The three-day catch was evenly distributed, averaging 49 fish per day, and represented 8% of the two-week total of 1,800 Chinook captured.

In addition to Chinook, one *O. mykiss* (Age 1+) was captured, which brings the season total to 12. The *O. mykiss* was 244 mm in forklength, which was consistent with the upper size range of fish from last week (182mm to 254mm, $\mu=214\text{mm}$).

Weather remained consistent through the week, with no rain events. Instantaneous hand held water temperatures were stable at 50°F throughout the sampling period and turbidity ranged between 1.3 NTU and 1.6 NTU. Flow at Orange Blossom Bridge (OBB) ranged between 207 cfs and 224 cfs. The consistent weather pattern correlated with smaller daily catches.

Caswell Outmigration

On January 9, 2004, two eight-foot rotary screw traps were set in the Stanislaus River at Caswell to begin collecting outmigration data. The traps were placed in the river in the same location as previous years. The traps sampled from January 9 to January 12, but did not capture any Chinook or *O. mykiss*. The traps were pulled due to no catch, but will resume sampling within the next few days to maintain an accurate representation of the outmigration.

Instantaneous water temperatures were stable at 51°F, and turbidity ranged from 5.0 NTU to 6.7 NTU. Flow at Ripon (RIP) ranged from 275 cfs to 285 cfs.



Two 8-foot rotary screw traps at Caswell.