

## Stanislaus River Weekly Report

January 1-6, 2004 Report No. 1

The S.P. Cramer and Associates team has developed a new format for the Stanislaus River weekly monitoring report for 2004. Although the layout has changed, updates will continue to provide details regarding weekly catch and highlight any notable events or trends. If you experience any errors receiving this information or wish to be added or removed from the e-mail distribution list, please send an e-mail to [gkopp@spcramer.com](mailto:gkopp@spcramer.com).

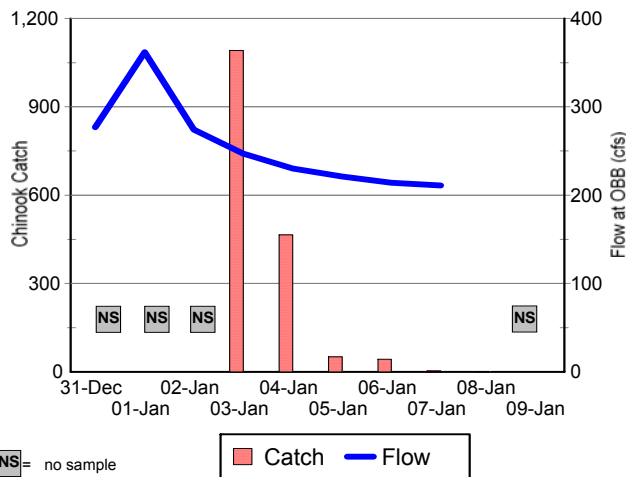
### Oakdale Outmigration

A single eight-foot rotary screw trap was placed in the Stanislaus River at Oakdale on January 2, 2004. Sampling occurred from January 2<sup>nd</sup> to January 8<sup>th</sup>. Due to low catch numbers, the trap was raised on January 8<sup>th</sup>. However, the trap will continue to be operated intermittently based upon environmental conditions and observed catches.

Between January 2<sup>nd</sup> and January 8<sup>th</sup>, a total of 1,654 Chinook were captured ranging in forklength between 31mm to 117mm ( $\mu = 34\text{mm}$ ). The majority (i.e., 65.9% or 1,091 Chinook) were captured on the first day of sampling which corresponded to an increase in flow resulting from a rain event. As flow dropped following this rain event, the number of Chinook captured quickly decreased.

In addition to Chinook, there were 11 Age 1+ ( $\geq 100\text{mm}$ ) *O. mykiss* captured ranging between 182mm and 254mm ( $\mu = 213\text{mm}$ ). Compared with previous monitoring years, this is a very high number of *O. mykiss* captured within a one week period, particularly since the typical total catch per season has been approximately 30 *O. mykiss*.

The short sampling period was scattered with several rain events, resulting in fluctuating environmental factors. Instantaneous water temperature at Oakdale varied between 44°F and 51°F, while turbidity ranged between 1.1 NTU and 5.3 NTU. Average daily flow at Orange Blossom Bridge (OBB) peaked at 362 cfs on January 1<sup>st</sup> and fluctuated between 221 cfs and 274 cfs during the sampling period.



NS= no sample  
 Daily chinook catch and flow at Orange Blossom on the Stanislaus River.



A chinook salmon captured at the Oakdale rotary screw trap on the Stanislaus River.

### Caswell Outmigration

The Caswell trap was installed on January 9 and started fishing shortly thereafter. Monitoring data will be provided in the next weekly report.

