

Stanislaus River Juvenile Outmigration Summary #1

December 19 - December 31, 2002

Oakdale:

An 8' rotary screw trap was installed and began fishing in the Stanislaus River at Oakdale (RM 40.1) on December 19. The trap fished through the rain event of December 20-21 and the cone was raised on Monday, December 23. The cone remained raised during the Christmas and New Year's holiday, and then lowered again the evening of January 1. The Oakdale screw trap will be fished intermittently until a significant increase in catch or flow is observed.

During the 4-day sampling period a total of 11 juvenile salmon were captured, and daily catch ranged from 0 to 5 salmon. Similar data was observed in previous years of sampling. We normally see an increase in catch around the beginning of January after peak emergence occurs. Mean length for the period was 34.7 mm and forklength ranged from 32 mm to 37 mm. One 222 mm trout (SI 5) was captured on December 20.

Turbidity ranged from 1.7 NTU to 5.7 NTU, and temperature fluctuated between 49 and 51 degree Fahrenheit. The flow at Orange Blossom Bridge (OBB) increased from 292 cfs to 363 cfs following the rain event.

Caswell:

The Caswell screw traps have not been installed at this time.