



Memorandum

Date: 10/10/2014

To: Calaveras River Files

From: Jason Azat
Environmental Scientist
Anadromous Resources Assessment / Fisheries Branch

Subject: **Calaveras River 2009 Fall-run Chinook Salmon Escapement**

The purpose of this memo is to summarize the results of the fall-run Chinook salmon escapement survey conducted on the Calaveras River during December 2009.

On 11 and 14 December, 2009, the confluence of the Old Calaveras River (Old River) and the Stockton Diverting Canal (Canal) into the mainstem Calaveras River (Main Stem) were observed. On 14 December, 2009, large pools in the 1.0 miles of the Canal immediately upstream of the confluence with Old River were surveyed. These observations were conducted by the Fishery Foundation of California (FFC) under the direction of Ms. Kari Burr.

Escapement of fall-run Chinook salmon into the Calaveras River in 2009 was estimated at 0. There was no river flow observed from the Canal into the Main Stem. Flow was estimated at less than 1 cfs from Old River into the Main Stem. Upstream passage of spawning Chinook salmon was deemed unlikely in Old River at this flow level. There were no Chinook salmon observed during the survey of the Canal. Observations and water temperature data are provided in Table 1.

Table 1. Observations of the Old Calaveras River and the Stockton Diverting Canal at their confluence with the mainstem Calaveras River.

Date	River Temperature	River Flow	Canal Flow	# of Salmon
12/11/2009	12° C	< 1 cfs	0	0
12/14/2009	10° C	< 1 cfs	0	0

The FFC conducts the escapement surveys and normally prepares the written reports for the Calaveras River. This year's report was written by the Department of Fish and Wildlife because in 2010 the FFC was not funded to write the report.

Any questions or concerns about the 2009 Calaveras River Chinook salmon escapement can be addressed to me at (916) 204-7898 or Jason.Azat@wildlife.ca.gov

cc: Mr. James Lyons
Dr. Rob Titus
Ms. Kari Burr