

Memorandum

To: **Ms. Tracy McReynolds**

Date: **August 31, 2010**

From : **Department of Fish and Game-Chico Office**

Subject : **Big Chico Creek 2010 Adult Escapement Estimate**

Big Chico Creek was snorkel surveyed from Higgins Hole downstream to Hennings Hole (Upper Bidwell Park) and from Ten Mile Gate to Salmon Hole on August 27th, 2010. The section from Hennings Hole to Ten Mile Gate was surveyed on August 25th, 2010. The survey was divided in three different sections (Figure 1). California State University, Chico Research Foundation employees, Andrew Anderson, Danny Price, Nick Collar, Darren Hirst, and Kevin Moncrief participated in this years' survey.

The 2010 spawning escapement for spring-run Chinook salmon is 2. The total number of salmon observed in each section and water temperature data are provided in the table below.

Creek Section	# of Salmon	Temperature Range
(1) Higgins Hole To Henning's Hole	2	16-19°C
(2) Henning's Hole To Ten Mile Gate	0	15-19°C
(3) Ten Mile Gate To Salmon Hole	0	17-19°C

In Sections (1), two salmon were observed holding together in a pool approximately ¼ mile upstream of Hennings Hole. In Sections (2) and (3) no salmon were observed in the entire reach.

Any questions or concerns about the 2010 Big Chico Creek salmon escapement survey can be addressed to me at (530) 895-5110 or cgarman@dfg.ca.gov.

Clint Garman
Fisheries Biologist

cc: Mr. Joe Johnson
Ms. Kathy Hill

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BIG CHICO CREEK SPAWNING ESCAPEMENT SURVEY REACHES

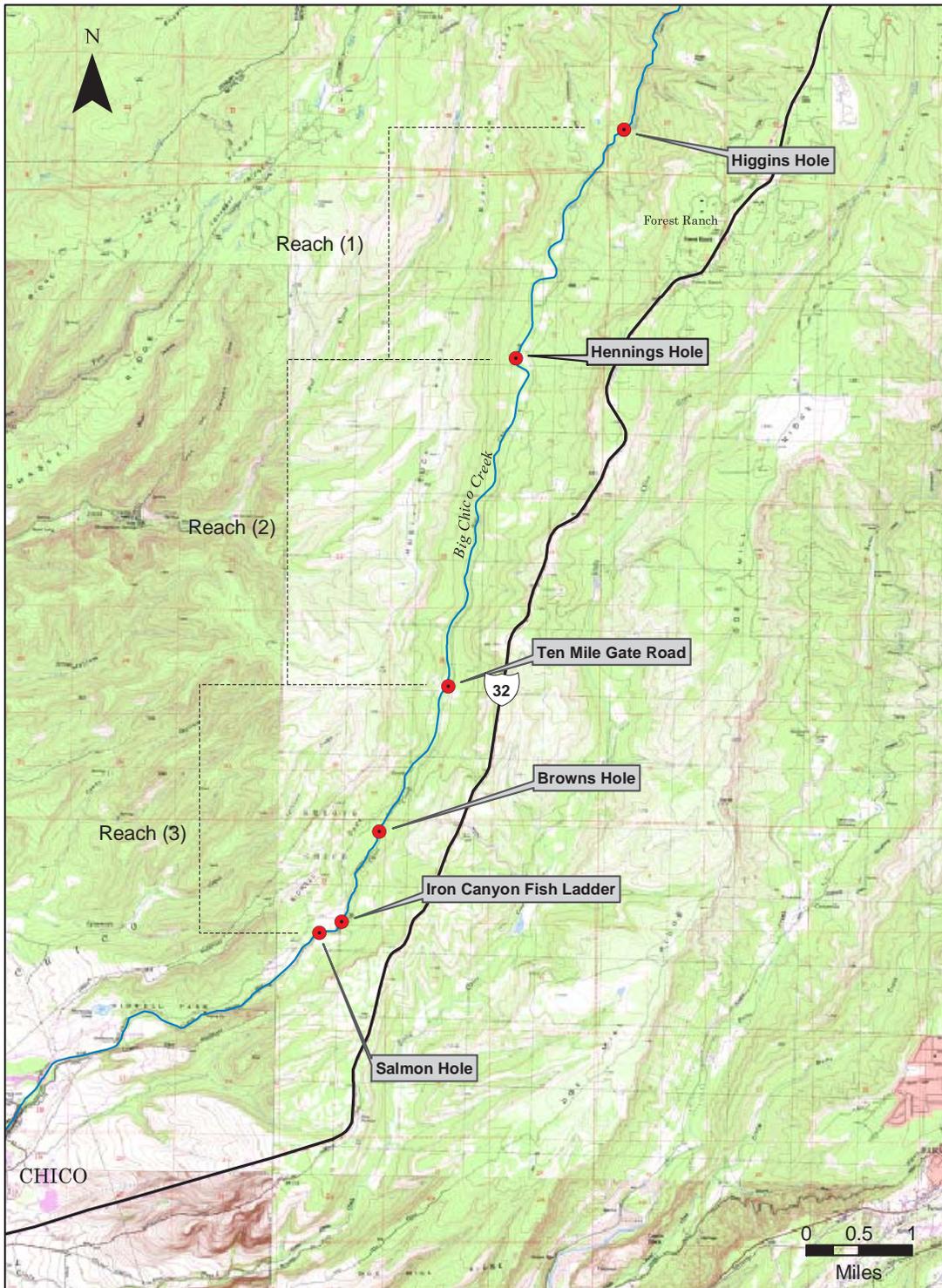


Figure 1. Big Chico Creek map showing spawning escapement survey reaches and major physical features from Higgins Hole to Salmon Hole.