

M e m o r a n d u m

To: Mr. Colin Purdy

Date: August 26, 2014

From : Department of Fish and Game-Chico Office
Subject : Big Chico Creek 2014 Adult Escapement Estimate

Big Chico Creek was initially spot checked for salmon at historical viewing sites (Higgins Hole, Hennings Hole and Salmon Hole) on July 18, 2014. Six salmon were observed at Salmon Hole and no fish encountered at the other two sites. Subsequent monitoring visits to these sites were conducted throughout the summer holding period to document fish health and survival. A full snorkel survey from Higgins Hole downstream to Salmon Hole was conducted on August 1, 2012. The survey was divided into three different sections (Figure 1). Department of Fish and Game employees Tommy Steele, Will Castillo, Kevin Moncrief, Granton Henley, Andrew Coloma and Matt Rogers participated in this years’ survey. One salmon was observed in the Ten Mile Gate to Salmon Hole section with water temperatures ranging from 18.5 – 22.0 Celsius. Additional spot check surveys were conducted on August 8, 16 and 22, 2014 with no visible sign of any fish surviving the summer holding period. Therefore;

The 2014 spawning escapement for spring-run Chinook salmon is 0. 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	0	16-20°C
(2) Henning’s Hole To Ten Mile Gate	0	17-20°C
(3) Ten Mile Gate To Salmon Hole*	0	N/A

Any questions or concerns about the 2014 Big Chico Creek salmon escapement survey can be addressed to me at (530) 895-5110 or cgarman@dfg.ca.gov.

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 Fisheries Biologist

cc: Mr. Katherine Hill

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