



Klamath River Carcass and Redd Surveys Summary, 2010

Synopsis: The 2010 fall-run Chinook salmon carcass and redd surveys on the mainstem Klamath River were conducted jointly by the USFWS Arcata Fish and Wildlife Office (AFWO), Karuk Tribe of California (KTOC), Yurok Tribal Fisheries Program (YTFP), and USGS Fort Collins Science Center. Both surveys began the week of October 11, 2010. Weekly tag-recovery carcass surveys were conducted by AFWO and YTFP crews from Iron Gate Dam to the Shasta River confluence. Weekly redd surveys were conducted by AFWO and KTOC crews from the Ash Creek confluence to the Indian Creek confluence at Happy Camp.

A total of 1,311 Chinook salmon carcasses were observed in the survey area in 2010. The cumulative carcass count in 2005 was lower, but 2005 also had a much lower tag-recovery rate (24.9% compared to 50.9% in 2010). Using an unstratified Petersen method, escapement was estimated to be 2,572, adults and jacks combined. The 2010 fall run Chinook salmon escapement in the mainstem Klamath River above the Shasta River confluence was the lowest we have estimated since this survey began in 2001. Unstratified Petersen estimates have ranged from 3,587 to 14,165 between 2001 and 2009.

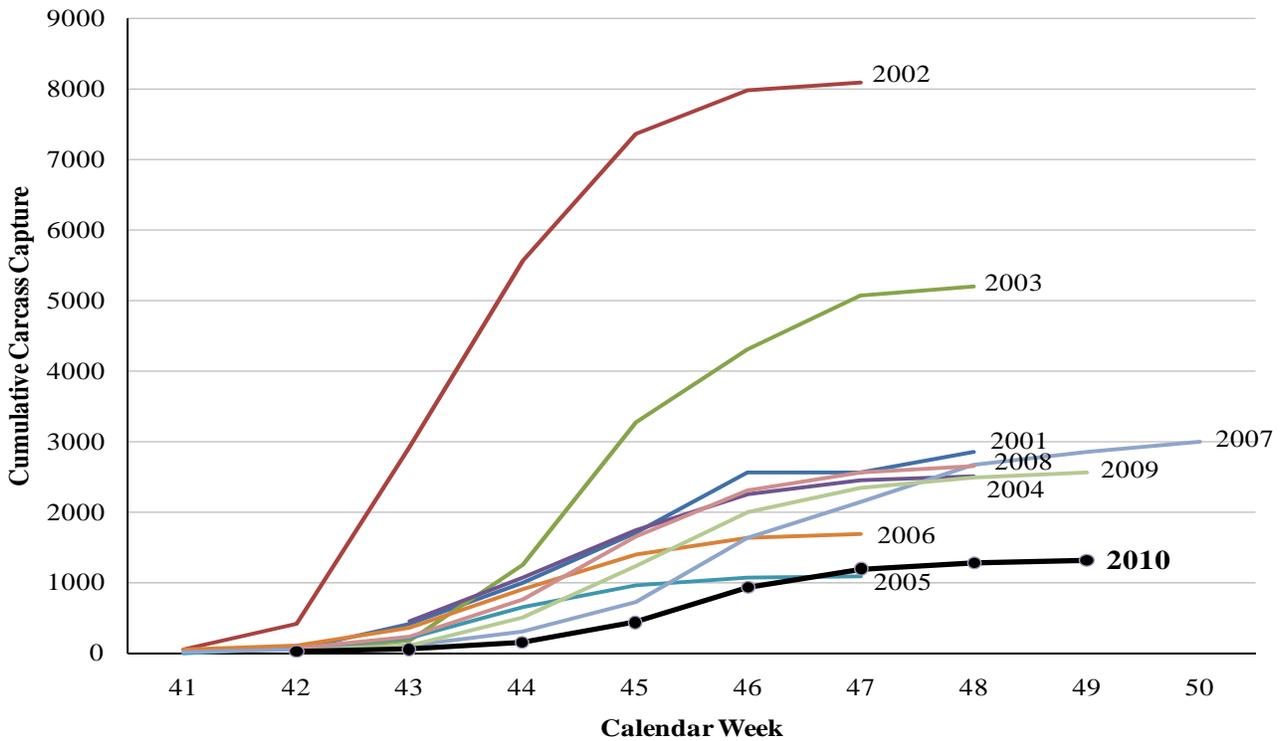
A relatively low count of 646 redds were observed in 2010. Assuming a 1:1 male-to-female ratio, 1,292 adult Chinook salmon are estimated to have spawned in the study area.

Carcass captures and redd counts are compared to previous years' surveys in the following charts. Note that the numbers presented in the figures are actual cumulative counts that have not yet been expanded into escapement estimates.

The data presented here are preliminary in nature and subject to revision.

If you have any questions regarding this summary, please contact Steve Gough at (707) 825-5197.

Cumulative Fall Chinook Salmon Carcass Capture on the Mainstem Klamath River from Iron Gate Dam to the Shasta River Confluence



Cumulative Fall Chinook Salmon Redd Counts on the Mainstem Klamath River from Ash Creek to Indian Creek

