



U.S. Fish & Wildlife Service

Arcata Fish & Wildlife Office Fisheries Program

## Klamath River Carcass and Redd Surveys Summary, 2011

**Synopsis:** The 2011 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 10, 2011. 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 2,391 Chinook salmon carcasses were observed in the study area in 2011. Using an unstratified Petersen method, escapement was estimated to be 4,836 adults and jacks combined. Unstratified Petersen estimates have ranged from 2,572 to 14,165 between 2001 and 2010. Upon first glance, for the first time in the history of this survey, jacks (age 2) appear to have been the dominant age class in 2011.

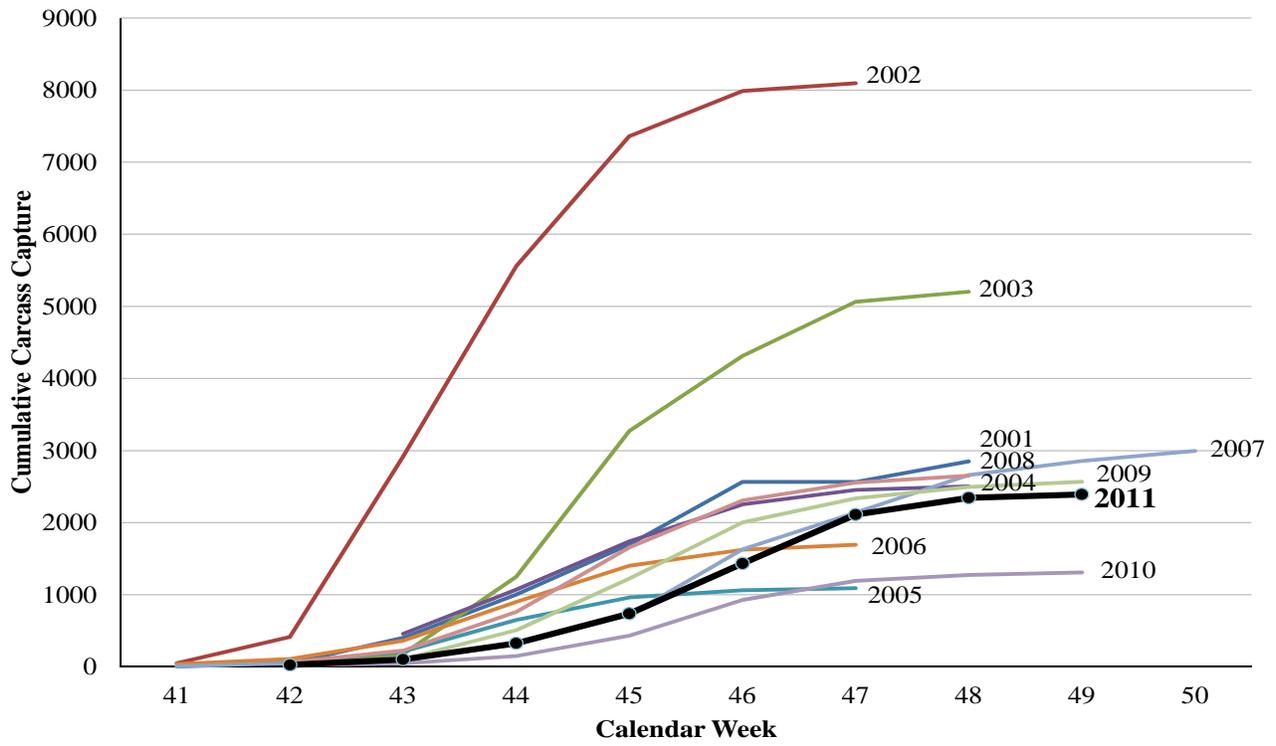
A relatively low count of 632 redds were observed in 2011. Assuming a 1:1 male-to-female ratio, 1,264 adult Chinook salmon are estimated to have spawned in the study area.

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**

