



Trinity River mainstem redd survey update

11/09/2010

The [Arcata Fish and Wildlife Office](#) along with the [California Department of Fish and Game](#), [Yurok Tribal Fisheries Program](#), [Hoopa Valley Tribal Fisheries Department](#), and [Shasta-Trinity National Forest](#) survey the mainstem Trinity River to recover salmonid carcasses and count and map Chinook salmon (*Oncorhynchus tshawytscha*) redds. The distribution of Chinook salmon redds is expected to change in response to rehabilitation efforts of the [Trinity River Restoration Program](#), and the relative run size of wild vs. [Trinity River Hatchery](#) origin fish. Redd and carcass surveys are conducted weekly on the River between [Lewiston Dam](#) and the North Fork Trinity River (Reaches 1 through 7), and are conducted every other week on the Reaches downstream of the North Fork Trinity River ([link to map](#)).

This mid-season update provides preliminary data on 2010 redd counts encountered and entered into our database as of 11/05/2010 (Table 1). Figure 1 compares preliminary 2010 cumulative redd counts for Reaches 1-10 with the previous 9 years (2002-2010).

Table 1. Preliminary count of redds by logistic reach for the fall 2010 mainstem Trinity River redd survey. Redds constructed by Chinook and coho salmon are not differentiated. Numbers are later adjusted for Chinook salmon using data provided by California Department of Fish and Game. "NS" = not surveyed. Reach 11 not surveyed due to extreme whitewater (Burnt Ranch Gorge). These data are preliminary and subject to revision.

Calendar week	Week start	Reach														Total		
		01	02	03	04	05	06	07	08	09	10	11	12	13	14			
38	09/13/10	0	0	1	10	2	0	0	0	0	0							13
39	09/20/10	38	14	3	18	23	0	1										97
40	09/27/10	52	33	79	56	45	9	10	0	7	0							291
41	10/04/10	50	36	38	35	63	42	24					0	0	0			288
42	10/11/10	56	47	84	47	69	94	53	13	77	59							599
43	10/18/10	46	64	78	44	92	52	9					6	0	0			391
44	10/25/10	37	22	32	31	49	11	17	12	25	NS							236
45	11/01/10	111	30	24	11	14	37	20			7		18	2	0			274
46	11/08/10																	
47	11/15/10																	
48	11/22/10																	
49	11/29/10																	
50	12/06/10																	
51	12/13/10																	
Total		390	246	339	252	357	245	134	25	109	66		24	2	0			2,189



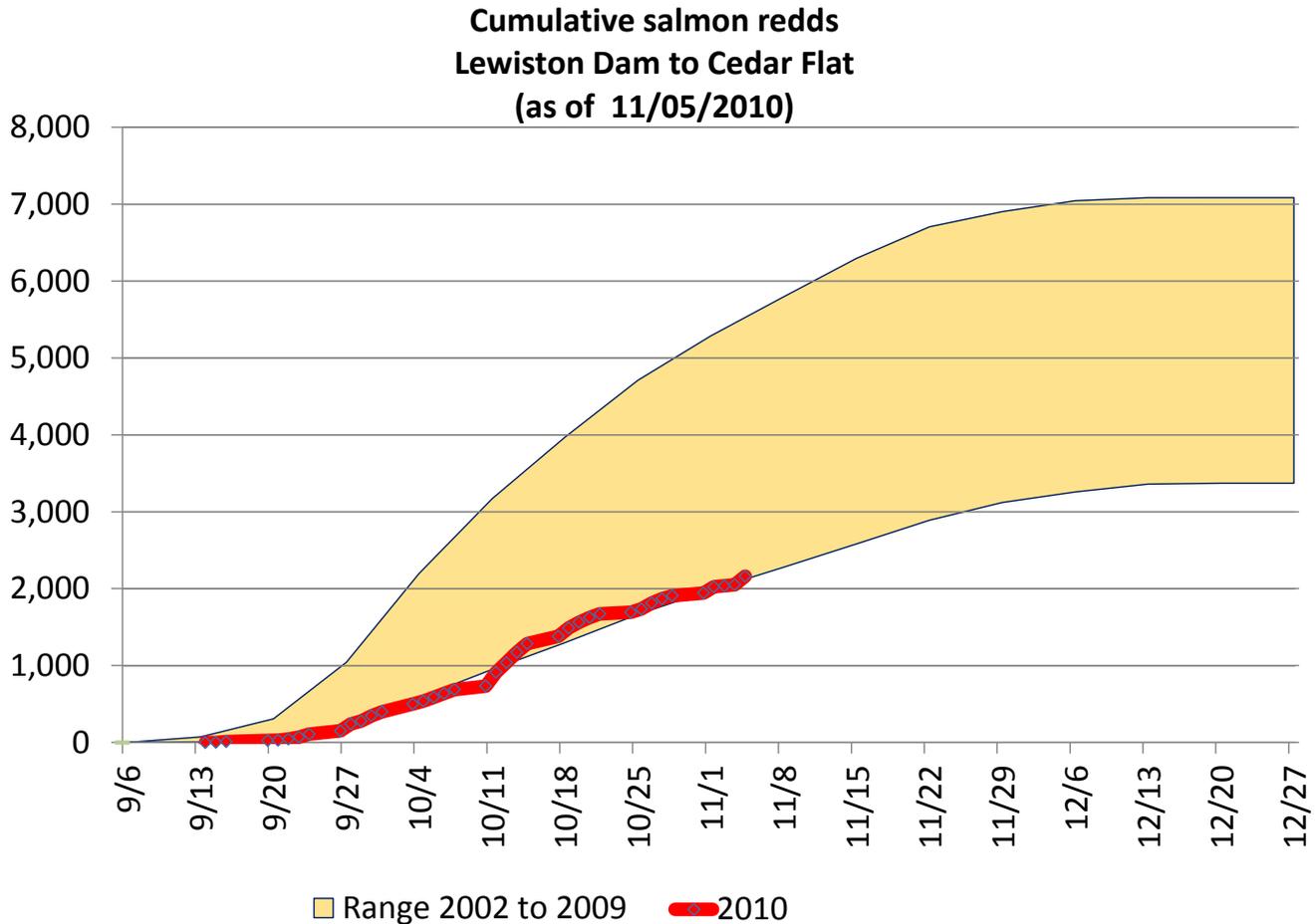


Figure 1. Comparison of fall 2010 cumulative Trinity River mainstem redd counts from Lewiston Dam to Cedar Flat as of 11/05/2010 vs. range years previous (2002-2009).

A [Keyhole Markup Language](#) file has been created to view redd distribution data with Google Earth.

[November 05 2010 Redds](#)

(last modified on November 8, 2010)

If Google Earth fails to launch automatically, the file can also be used by first launching the Google Earth application. Select the menu option **File, Open**, and then locate the previously downloaded file (2010 Trinity Redds as of 2010_11_05.kml); then click the **Open** button.

For more information regarding mainstem Trinity River redd surveys, please contact Charlie Chamberlain at (707) 822-7201 or charles_chamberlain@fws.gov