



# Trinity River mainstem redd survey update

## 11/30/2009

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 2009 redd counts encountered and entered into our database as of 11/27/2009 (Table 1). Figure 1 compares preliminary 2009 cumulative redd counts for Reaches 1-10 with the previous 7 years (2002-2008).

**Table 1. Preliminary count of redds by logistic reach for the fall 2009 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. Grayed areas and “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	09/14/09	16	4	6	NS	NS	0	0	0	0	0						26
39	09/21/09	51	49	52	53	29	2	0									236
40	09/28/09	77	84	67	69	50	56	18	0	3	0						424
41	10/05/09	76	71	118	95	73	117	37					0	0	0		587
42	10/12/09	15	19	57	32	NS	26	72	NS	NS	NS						221
43	10/19/09	19	14	48	22	62	76	27					13	4	0		285
44	10/26/09	38	27	34	47	48	42	16	34	143	96						525
45	11/02/09	136	29	37	41	27	57	58					39	41	10		475
46	11/09/09	86	35	34	20	NS	11	11	19	64	NA						280
47	11/16/09	210	45	15	9	21	12	4					32	99	30		477
48	11/23/09	NS	NS	12	3	8	NS	0	7	18	26						74
49	11/30/09																
50	12/07/09																
51	12/14/09																
Total		724	377	480	391	318	399	243	60	228	122		84	144	40		3,610





The data are preliminary and need to be adjusted post-season for missing data, estimated contribution by coho salmon, hatchery and wild Chinook salmon. The cumulative number of redds observed (Reaches 1-10) as of November 27, 2009 exceeds that counted in any one of the years 2002-2008 (Figure 1).

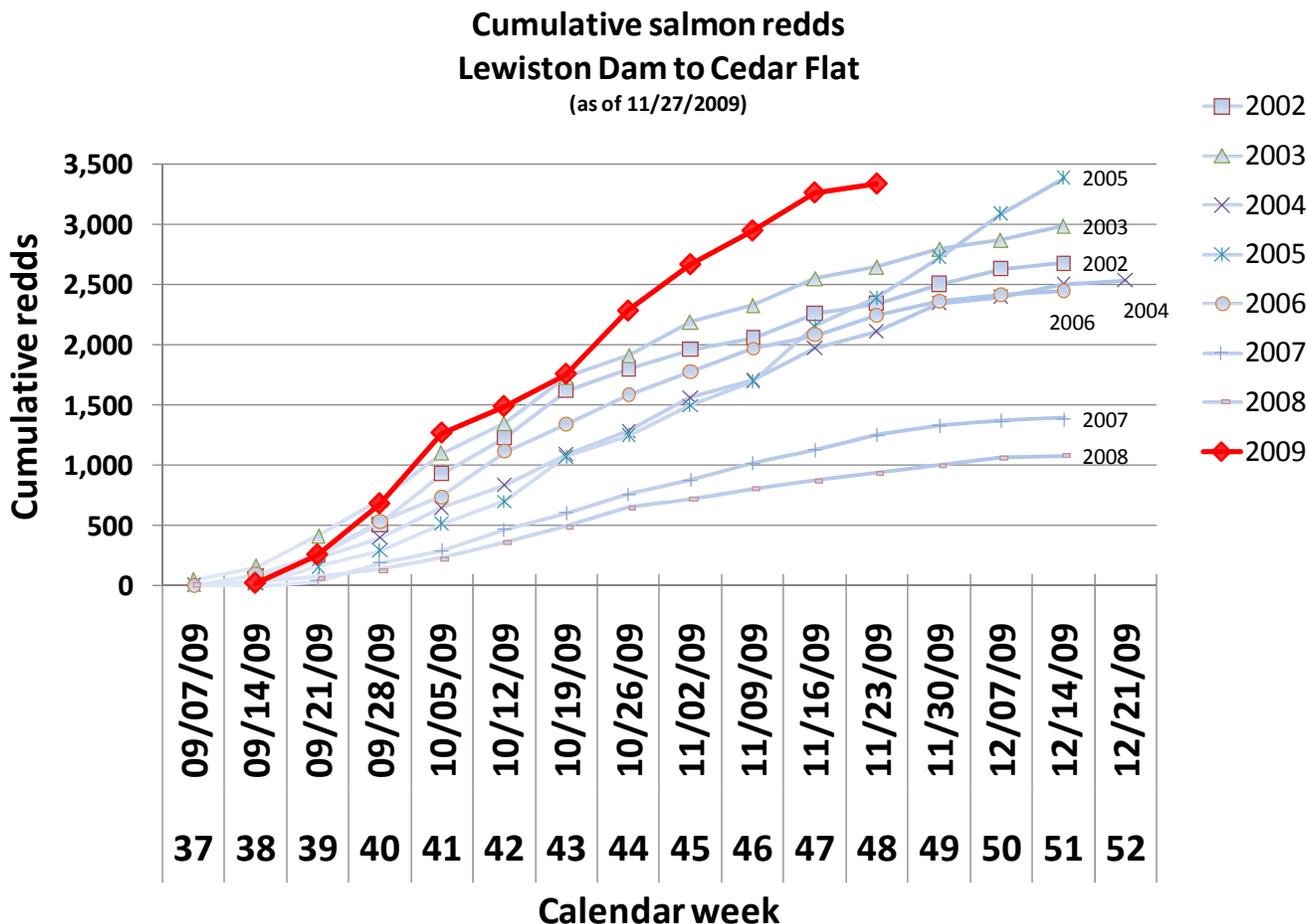


Figure 1. Comparison of fall 2009 cumulative Trinity River mainstem redd counts vs. years previous (2002-2008). As of 11/27/2009, this year’s redd count in these reaches ranks highest among the eight years presented above.

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

[2009 Trinity redds as of week 48.kml](#) (last modified on November 27, 2009)

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**, locate the previously downloaded file, 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](mailto:charles_chamberlain@fws.gov)