

Vaki Riverwatcher 2011-2012

(03/01/11-12/10/12)

		M	A	M	J	J	A	S	O	N	D	J	F	subtotal	total YTD	M	A	M	J	J	A	S	O	N	D	J	F	subtotal	total YTD
O.tshawytscha	N	0	0	0	7	17	259	929	2191	516	49	138	15	4121	5837	2	0	50	88	86	101	750	1859	469	0			3405	4407
	S	0	0	0	9	8	324	51	1195	79	23	18	9	1716		0	0	20	83	23	28	224	540	82	2			1002	
Ad-clip	N	8	0	0	5	21	97	276	529	172	60	13	0	1181	1733	1	2	118	154	9	17	155	417	434	0			1307	1730
	S	0	0	0	3	4	127	117	244	24	28	5	0	552		0	0	45	128	1	1	61	122	64	1			423	
Ad-undet.	N	0	0	0	0	0	10	15	36	7	11	19	1	99	151	0	0	2	1	3	0	25	32	23	1			87	113
	S	1	0	0	0	0	19	4	26	-1	0	3	0	52		1	0	4	2	0	1	4	5	5	4			26	
Total	N	8	0	0	12	38	366	1220	2756	695	120	170	16	5401	7721	3	2	170	243	98	118	930	2308	926	1			4799	6250
	S	1	0	0	12	12	470	172	1465	102	51	26	9	2320		1	0	69	213	24	30	289	667	151	7			1451	
O.mykiss	N	28	230	45	13	21	4	19	27	1	4	11	4	407	1121	12	11	14	13	10	6	21	27	11	2			127	239
	S	38	527	40	36	12	7	13	24	3	0	7	7	714		8	17	16	7	18	4	14	21	7	0			112	
Ad-clip	N	82	129	93	63	66	64	77	95	11	15	43	14	752	1150	6	5	10	8	1	1	10	13	28	1			83	115
	S	7	239	16	14	2	3	3	27	9	8	57	13	398		5	1	4	1	1	0	4	8	8	0			32	
Ad-undet.	N	66	6	0	10	3	5	7	4	1	0	2	1	105	215	8	6	2	1	1	0	0	0	1	17			36	60
	S	75	7	3	3	1	0	0	0	1	1	17	2	110		5	12	0	0	1	0	1	0	0	5			24	
Unk. salmonid	N	0	0	0	0	0	0	3	6	0	2	1	1	13	19	3	0	1	1	2	0	5	1	0	6			19	35
	S	0	0	0	0	0	0	3	0	0	3	0	0	6		0	0	1	1	0	0	1	1	4	8			16	
S. pikeminnow	N	30	125	86	126	11	29	15	6	2	0	0	2	432	669	28	79	62	10	3	3	0	0	1	0			186	275
	S	4	73	81	60	11	7	0	1	0	0	0	0	237		6	31	41	2	6	2	1	0	0	0			89	
S. sucker	N	340	508	201	27	42	114	71	55	3	0	5	6	1372	2814	177	158	146	16	15	2	6	0	8	9			537	1335
	S	258	30	781	220	107	44	0	1	0	0	1	0	1442		185	496	97	6	9	1	0	0	4	0			798	
Hardhead	N	0	3	8	7	4	5	3	1	0	0	0	0	31	54	0	4	19	2	0	0	0	0	0	0			25	44
	S	1	1	7	10	4	0	0	0	0	0	0	0	23		0	3	15	0	1	0	0	0	0	0			19	
A. Shad	N	0	0	0	69	29	-2	0	0	0	0	0	0	96	104	0	0	6	27	2	0	0	0	0	0			35	36
	S	0	0	0	5	3	0	0	0	0	0	0	0	8		0	0	0	1	0	0	0	0	0	0			1	
O.gorbuscha	N	0	0	0	0	0	1	2	1	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0			0	0
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0			0	
Brown Trout	N	0	0	0	0	0	0	1	1	0	0	0	0	2	5	0	0	0	0	1	0	0	0	0	0			1	4
	S	0	0	0	0	0	0	1	2	0	0	0	0	3		0	0	0	0	0	0	0	1	2	0			3	
Striped bass	N	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0			0	0
	S	0	0	0	0	1	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0	0	0			0	
O. nerka	N	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0			2	2
	S	0	0	0	1	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0	0	0			0	
Unident. (TL<35cm)	N	31	-345	-322	-159	-6	0	-4	-3	-7	-4	1	137	-681	-501	5	-67	-5	3	8	0	3	6	-2	109			60	253
	S	184	-15	-3	3	-6	-4	-1	-1	-1	23	0	180			119	49	-1	0	1	1	1	0	1	22			193	
Unident. (TL≥35cm)	N	-1	-2	0	0	0	1	1	2	-2	0	0	0	-1	0	0	0	0	0	0	0	2	0	0	-3			-1	-1
	S	1	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0	0	0			0	
Mean % Op.	N	98	100	100	87	100	100	100	100	100	100	100	100	99	99	100	100	100	100	100	100	100	100	100	100			100	100
	S	97	100	100	100	100	100	100	100	100	100	100	100	100		100	100	100	100	100	100	100	100	100	99			100	

Biological Sampling (Narrows Pool to DPD)

Survey Week	Fresh Carcasses Observed	Ad-clips Observed	Female Carcasses Observed	Unspawned Females Observed
09/10/2012	0	0	0	0
09/17/2012	0	0	0	0
09/24/2012	8	3	4	1
10/01/2012	23	14	6	1
10/08/2012	61	17	32	2
10/15/2012	67	19	36	1
10/22/2012	88	11	58	0
10/29/2012	63	4	40	4
11/05/2012	57	7	35	0
11/19/2012	22	8	12	0
11/26/2012	9	6	4	0
12/03/2012				
12/10/2012	2	2	2	0
Totals	400	91	229	9

Modified CJS Mark-Recapture (DPD to Mouth)

Survey Week	Marked Carcass Total	Marked Carcass Recoveries	Dead on Capture	Female Carcass Total	Unspawned Total
09/10/2012	0	0	0	0	0
09/17/2012	0	0	0	0	0
09/24/2012	0	0	0	0	0
10/01/2012	0	0	1	0	0
10/08/2012	4	0	1	0	0
10/15/2012	21	0	3	9	5
10/22/2012	54	5	14	10	0
10/29/2012	88	17	12	30	4
11/05/2012	112	35	16	49	0
11/19/2012	83	55	31	43	2
11/26/2012	23	15	9	11	0
12/03/2012					
12/10/2012	1	0	1	1	0
Totals	386	127	88	153	11

Preliminary Yuba River Chinook salmon abundance estimate:

Vaki - 6,250 Chinook salmon

CJS - 1,082 ± 106 Chinook salmon @ 95% confidence interval

Total - 7,332 Chinook salmon