

# Vaki Riverwatcher

(03/01/13-11/30/14)

		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	11	3	269	833	801	808	1038	3164	1286	153	30	39	8435	9868	2	33	74	353	164	962	765	2354	1749				6456	6895
	S	2	4	46	319	198	103	88	546	111	8	0	8	1433		1	1	2	8	23	109	21	150	124				439	
Ad-clip	N	0	0	9	43	36	38	166	482	246	36	1	0	1057	1229	1	11	18	38	15	86	98	560	383				1210	1278
	S	1	1	3	12	12	9	12	102	19	1	0	0	172		0	0	1	0	3	8	3	30	23				68	
Ad-undet.	N	0	0	0	15	7	6	7	103	64	6	1	2	211	231	1	1	0	4	0	8	6	50	89				159	163
	S	0	0	0	3	1	0	1	10	0	0	0	5	20		0	0	0	0	0	0	0	1	3				4	
<b>Total</b>	N	11	3	278	891	844	852	1211	3749	1596	195	32	41	9703	11328	4	45	92	395	179	1056	869	2964	2221				7825	8336
	S	3	5	49	334	211	112	101	658	130	9	0	13	1625		1	1	3	8	26	117	24	181	150				511	
O.mykiss	N	85	33	26	19	21	11	32	36	10	2	33	25	333	444	30	27	30	33	22	19	11	58	6				236	318
	S	19	13	5	7	2	4	9	20	16	3	3	10	111		13	2	10	17	14	6	10	6	4				82	
Ad-clip	N	8	11	0	0	0	0	3	5	12	12	68	31	150	247	18	2	0	0	1	2	1	5	6				35	49
	S	16	4	3	3	3	9	15	8	19	7	4	6	97		3	0	0	0	2	0	0	2	7				14	
Ad-undet.	N	5	2	0	2	4	0	0	0	4	1	13	44	75	94	19	2	1	1	1	0	1	2	0				27	43
	S	1	1	0	0	0	1	0	0	2	0	0	14	19		11	1	1	1	0	0	0	2	0				16	
Unk. salmonid	N	0	0	1	0	0	4	3	2	4	1	1	0	16	24	0	0	2	1	0	0	0	4	7				14	14
	S	1	0	0	0	0	2	0	1	0	1	0	3	8		0	0	0	0	0	0	0	0	0				0	
O.gorbuscha	N	0	0	0	0	0	0	2	0	0	0	0	0	2	2	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	
O. nerka	N	0	0	0	0	4	7	1	0	0	0	0	0	12	13	0	0	0	0	0	0	0	1	0				1	1
	S	0	0	0	0	0	1	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0	0				0	
O. keta	N	0	0	0	0	0	1	0	0	0	1	0	0	2	2	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	
Brown Trout	N	1	0	0	0	0	0	0	1	0	0	0	0	2	3	0	0	0	0	0	0	0	0	1				1	2
	S	0	0	0	0	0	0	0	0	1	0	0	0	1		0	0	0	0	1	0	0	0	0				1	
S. pikeminnow	N	44	97	27	12	3	3	0	1	0	0	0	2	189	210	69	65	43	11	5	8	1	4	1				207	211
	S	9	6	1	1	0	0	0	0	0	0	0	4	21		2	0	1	0	0	0	0	1	0				4	
S. sucker	N	201	179	26	33	25	16	1	0	1	0	0	21	503	576	124	122	41	12	10	3	1	2	0				315	388
	S	46	18	5	0	3	0	0	0	0	0	0	1	73		72	1	-1	0	0	1	0	0	0				73	
Hardhead	N	1	9	7	4	0	1	1	0	0	0	0	0	23	26	0	8	1	0	0	0	0	0	0				9	9
	S	1	1	0	0	1	0	0	0	0	0	0	0	3		0	0	0	0	0	0	0	0	0				0	
A.shad	N	0	0	0	0	11	1	0	0	0	0	0	0	12	12	0	0	0	0	0	1	0	0	0				1	1
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0				0	
Unident. (TL<35cm)	N	-12	0	18	23	1	3	0	6	1	2	0	7	49	89	42	0	2	0	-1	-1	2	0	-1				43	108
	S	5	0	-1	3	1	8	2	0	1	0	0	21	40		67	1	-1	1	-3	0	0	0	0				65	
Unident. (TL≥35cm)	N	0	0	0	0	0	4	0	2	1	0	0	1	8	10	0	-1	0	0	0	0	0	-4	1				-4	-3
	S	0	0	0	0	0	1	0	0	1	0	0	0	2		0	1	0	0	0	0	0	0	0				1	
Mean % Op.	N	100	100	100	100	100	100	100	100	100	100	100	76	98	99	83	100	99	100	100	100	82	100	98				96	98
	S	100	100	100	100	100	100	100	100	100	100	100	100	100		99	100	99	100	100	100	100	100	100				100	

# Carcass Survey

Biological Sampling (Narrows Pool to DPD)

Survey Week	Fresh Carcasses Observed	Ad-clips Observed	Female Carcasses Observed	Unspawned Females Observed	Otoliths Collected
09/15/2014	2	0	2	0	2
09/22/2014	0	0	0	0	0
09/29/2014	11	0	5	0	4
10/06/2014	29	1	19	3	7
10/13/2014	91	6	67	2	25
10/20/2014	86	7	71	4	22
10/27/2014	83	8	58	4	19
11/03/2014	58	9	41	1	13
11/10/2014	116	19	77	3	27
11/17/2014	21	1	17	0	6
11/24/2014	28	4	17	0	7
12/01/2014	2	0	2	0	2
12/08/2014	13	1	6	0	4
Totals	540	56	382	17	138

Modified CJS Mark-Recapture (DPD to Simpson Lane Bridge)

Survey Week	Marked Carcass Total	Marked Carcass Recoveries	Dead on Capture	Female Carcass Total	Unspawned Total	Otoliths Collected
09/15/2014	0	0	0	0	0	0
09/22/2014	0	0	0	0	0	0
09/29/2014	1	0	1	1	1	1
10/06/2014	2	0	1	1	1	2
10/13/2014	8	0	1	5	2	2
10/20/2014	13	2	7	2	1	5
10/27/2014	56	3	11	21	9	12
11/03/2014	121	13	30	55	5	18
11/10/2014	258	33	106	153	11	28
11/17/2014	197	109	135	113	3	21
11/24/2014	99	120	93	61	3	15
12/01/2014	66	78	64	37	0	11
12/08/2014	23	10	20	15	0	5
Totals	844	368	469	464	36	120

CJS Estimate: 2,546

CI @ 95%: 169.78

Yuba River Accord  
M&E Field Update