

Vaki Riverwatcher 2012-2013

(03/01/12-10/28/13)

		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	2	0	50	89	89	195	776	1858	469	55	44	19	3646	4723	11	3	269	833	801	808	1038	2521					6284	7479
	S	0	0	20	97	25	41	235	540	82	23	12	2	1077		2	4	46	319	198	103	88	435					1195	
Ad-clip	N	0	2	118	154	9	26	158	415	434	10	2	1	1329	1804	0	0	9	43	36	38	166	386					678	815
	S	0	0	45	157	1	6	63	122	64	15	2	0	475		1	1	3	12	12	9	12	87					137	
Ad-undet.	N	0	0	2	1	3	0	25	32	23	3	2	0	91	126	0	0	0	15	7	6	7	85					120	130
	S	1	0	4	3	0	1	5	5	5	11	0	0	35		0	0	0	3	1	0	1	5					10	
Total	N	2	2	170	244	101	221	959	2305	926	68	48	20	5066	6653	11	3	278	891	844	852	1211	2992					7082	8424
	S	1	0	69	257	26	48	303	667	151	49	14	2	1587		3	5	49	334	211	112	101	527					1342	
O.mykiss	N	12	11	14	13	11	9	21	28	11	22	18	21	191	345	85	33	26	19	21	11	32	32					259	336
	S	8	17	16	7	18	8	15	21	7	4	18	15	154		19	13	5	7	2	4	9	18					77	
Ad-clip	N	6	5	10	8	1	1	9	14	28	43	16	9	150	230	8	11	0	0	0	0	3	2					24	85
	S	5	1	4	1	1	0	4	8	8	5	7	36	80		16	4	3	3	3	9	15	8					61	
Ad-undet.	N	8	6	2	1	1	1	0	0	1	47	3	0	70	114	5	2	0	2	4	0	0	0					13	16
	S	5	12	0	0	1	0	1	0	0	19	0	6	44		1	1	0	0	0	1	0	0					3	
Unk. salmonid	N	3	0	1	1	2	1	5	2	0	8	3	0	26	46	0	0	1	0	0	4	3	2					10	14
	S	0	0	1	1	0	0	1	1	4	11	1	0	20		1	0	0	0	0	2	0	1					4	
S. pikeminnow	N	28	79	62	10	5	4	0	0	1	3	1	4	197	288	44	97	27	12	3	3	0	1					187	204
	S	6	31	41	2	7	2	1	0	0	0	0	1	91		9	6	1	1	0	0	0	0					17	
S. sucker	N	177	158	146	16	16	5	6	0	8	9	5	39	585	1391	201	179	26	33	25	16	1	0					481	553
	S	185	496	97	6	9	1	0	0	4	5	0	3	806		46	18	5	0	3	0	0	0					72	
Hardhead	N	0	4	19	2	0	1	0	0	0	0	0	0	26	45	1	9	7	4	0	1	1	0					23	26
	S	0	3	15	0	1	0	0	0	0	0	0	0	19		1	1	0	0	1	0	0	0					3	
A. Shad	N	0	0	6	27	2	0	0	0	0	0	0	0	35	36	0	0	0	0	11	1	0	0					12	12
	S	0	0	0	1	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0					0	
O.gorbuscha	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0					2	2
	S	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	1	0	0	0	0	0	0	0	1	4	1	0	0	0	0	0	0	0					1	1
	S	0	0	0	0	0	0	0	1	2	0	0	0	3		0	0	0	0	0	0	0	0					0	
Striped bass	N	0	0	0	0	0	0	0	0	0	0	0	0	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	
O. nerka	N	0	0	0	0	0	0	2	0	0	0	0	0	2	2	0	0	0	0	4	7	1	0					12	13
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	1	0	0					1	
Unident. (TL<35cm)	N	5	-67	-5	3	8	0	3	6	-2	112	0	-3	60	304	-12	0	18	23	1	3	0	4					37	54
	S	119	49	-1	0	1	1	1	0	1	41	24	8	244		5	0	-1	3	1	8	2	-1					17	
Unident. (TL≥35cm)	N	0	0	0	0	0	0	2	0	0	-3	0	0	-1	-1	0	0	0	0	0	4	0	4					8	9
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	1	0	0					1	
Mean % Op.	N	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100					100	100
	S	100	100	100	100	100	100	100	100	100	99	100	100	100		100	100	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
09/16/2013	0	0	0	0	0
09/23/2013	12	0	5	0	12
09/30/2013	97	11	44	3	22
10/07/2013	200	20	110	3	42
10/14/2013	172	15	86	1	36
10/21/2013	165	14	101	3	38
10/28/2013	143	14	83	4	36
11/04/2013	183	16	105	0	42
11/11/2013	171	13	107	0	38
11/18/2013	71	12	55	0	17
11/25/2013	30	3	17	0	10
Totals:	1244	118	713	14	293

Modified CJS Mark-Recapture (Downstream DPD)

Survey Week	Marked Carcass Total	Marked Carcass Recoveries	Dead on Capture	Female Carcass Total	Unspawned Total	Otoliths Collected
09/16/2013	1	0	0	0	0	1
09/23/2013	3	0	2	0	0	2
09/30/2013	10	0	2	3	1	8
10/07/2013	12	1	10	1	1	3
10/14/2013	52	4	14	9	1	7
10/21/2013	98	11	58	19	3	15
10/28/2013	155	31	67	46	10	17
11/04/2013	328	66	92	88	5	24
11/11/2013	273	114	86	120	3	16
11/18/2013	137	212	153	67	1	17
11/25/2013	37	100	62	18	2	7
Totals:	1106	539	546	371	27	117

CJS Estimate: 3448, CI @ 95% = 292.66