

Vaki Riverwatcher 2012-2013

(03/01/12-12/30/13)

		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	3164	1286	153			8366	9791
	S	0	0	20	97	25	41	235	540	82	23	12	2	1077		2	4	46	319	198	103	88	546	111	8			1425	
Ad-clip	N	0	2	118	154	9	26	158	415	434	10	2	1	1329	1804	0	0	9	43	36	38	166	482	246	36			1056	1228
	S	0	0	45	157	1	6	63	122	64	15	2	0	475		1	1	3	12	12	9	12	102	19	1			172	
Ad-undet.	N	0	0	2	1	3	0	25	32	23	3	2	0	91	126	0	0	0	15	7	6	7	103	64	6			208	223
	S	1	0	4	3	0	1	5	5	5	11	0	0	35		0	0	0	3	1	0	1	10	0	0			15	
Total	N	2	2	170	244	101	221	959	2305	926	68	48	20	5066	6653	11	3	278	891	844	852	1211	3749	1596	195			9630	11242
	S	1	0	69	257	26	48	303	667	151	49	14	2	1587		3	5	49	334	211	112	101	658	130	9			1612	
O.mykiss	N	12	11	14	13	11	9	21	28	11	22	18	21	191	345	85	33	26	19	21	11	32	36	10	2			275	373
	S	8	17	16	7	18	8	15	21	7	4	18	15	154		19	13	5	7	2	4	9	20	16	3			98	
Ad-clip	N	6	5	10	8	1	1	9	14	28	43	16	9	150	230	8	11	0	0	0	0	3	5	12	12			51	138
	S	5	1	4	1	1	0	4	8	8	5	7	36	80		16	4	3	3	3	9	15	8	19	7			87	
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	4	1			18	23
	S	5	12	0	0	1	0	1	0	0	19	0	6	44		1	1	0	0	0	1	0	0	2	0			5	
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	4	1			15	20
	S	0	0	1	1	0	0	1	1	4	11	1	0	20		1	0	0	0	0	2	0	1	0	1			5	
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	0	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	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	0	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	0	0			1	
O. keta	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1			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	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	1	0	0			2	3
	S	0	0	0	0	0	0	0	1	2	0	0	0	3		0	0	0	0	0	0	0	0	1	0			1	
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	0	0			187	204
	S	6	31	41	2	7	2	1	0	0	0	0	1	91		9	6	1	1	0	0	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	1	0			482	554
	S	185	496	97	6	9	1	0	0	4	5	0	3	806		46	18	5	0	3	0	0	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	0	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	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	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	0			0	
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	6	1	2			42	61
	S	119	49	-1	0	1	1	1	0	1	41	24	8	244		5	0	-1	3	1	8	2	0	1	0			19	
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	2	1	0			7	9
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	1	0	0	1	0			2	
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			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	100			100	

Biometric 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
12/02/2013	23	4	17	1	6
12/09/2013	15	0	13	0	3
12/16/2013	6	1	4	0	3
12/23/2013	0	0	0	0	0
Totals:	1288	123	747	15	305

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
12/02/2013	52	42	36	25	4	9
12/09/2013	18	26	17	12	1	4
12/16/2013	11	13	12	9	0	3
12/23/2013	4	7	4	2	0	2
12/30/2013	3	5	1	3	0	2
Totals:	1194	632	616	422	32	137

CJS Estimate: **4,197** Confidence Interval @ 95%: **353.4**