

# Vaki Riverwatcher

(03/01/13 - 2/28/15)

		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	358	163	962	765	2351	1749	321	51	36	6865	7493
	S	2	4	46	319	198	103	88	546	111	8	0	8	1433		1	1	2	8	23	109	24	151	124	183	0	2	628	
Ad-clip	N	0	0	9	43	36	38	166	482	246	36	1	0	1057	1229	1	11	18	38	15	87	98	560	383	63	13	1	1288	1393
	S	1	1	3	12	12	9	12	102	19	1	0	0	172		0	0	1	0	3	8	3	31	23	36	0	0	105	
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	56	1	2	218	249
	S	0	0	0	3	1	0	1	10	0	0	0	5	20		0	0	0	0	0	-1	0	1	3	27	0	1	31	
<b>Total</b>	N	11	3	278	891	844	852	1211	3749	1596	195	32	41	9703	11328	4	45	92	400	178	1057	869	2961	2221	440	65	39	8371	9135
	S	3	5	49	334	211	112	101	658	130	9	0	13	1625		1	1	3	8	26	116	27	183	150	246	0	3	764	
O.mykiss	N	85	33	26	19	21	11	32	36	10	2	33	25	333	444	30	27	30	33	22	19	12	61	6	16	18	25	299	401
	S	19	13	5	7	2	4	9	20	16	3	3	10	111		13	2	10	17	14	6	14	6	4	7	0	9	102	
Ad-clip	N	8	11	0	0	0	0	3	5	12	12	68	31	150	247	18	2	0	0	1	1	1	5	6	24	16	4	78	127
	S	16	4	3	3	3	9	15	8	19	7	4	6	97		3	0	0	0	2	0	0	2	7	30	4	1	49	
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	15	4	12	58	90
	S	1	1	0	0	0	1	0	0	2	0	0	14	19		11	1	1	1	0	0	0	2	0	5	0	11	32	
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	10	0	12	36	48
	S	1	0	0	0	0	2	0	1	0	1	0	3	8		0	0	0	0	0	0	0	0	0	9	0	3	12	
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	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	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	0	0	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	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	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	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	0	0	0	1	3
	S	0	0	0	0	0	0	0	0	1	0	0	0	1		0	0	0	0	1	0	0	0	0	0	1	2		
S. pikeminnow	N	44	97	27	12	3	3	0	1	0	0	0	2	189	210	56	69	43	11	5	8	1	4	1	1	0	6	205	214
	S	9	6	1	1	0	0	0	0	0	0	0	4	21		2	0	1	0	0	0	0	1	0	4	1	0	9	
S. sucker	N	201	179	26	33	25	16	1	0	1	0	0	21	503	576	143	124	41	12	10	3	1	2	0	3	0	54	393	479
	S	46	18	5	0	3	0	0	0	0	0	0	1	73		72	1	-1	0	0	1	0	0	0	9	0	4	86	
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	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	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	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	0	0	0	
Unident. (TL<35cm)	N	-12	0	18	23	1	3	0	6	1	2	0	7	49	89	32	2	0	-1	0	-1	2	-6	-1	2	0	23	52	97
	S	5	0	-1	3	1	8	2	0	1	0	0	21	40		20	1	-1	1	-3	-1	0	0	2	1	25	45		
Unident. (TL≥35cm)	N	0	0	0	0	0	4	0	2	1	0	0	1	8	10	10	-3	2	1	-1	0	0	2	1	13	0	0	25	98
	S	0	0	0	0	0	1	0	0	1	0	0	0	2		53	0	0	0	0	1	0	0	0	19	0	0	73	
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	88	100	100	96	97
	S	100	100	100	100	100	100	100	100	100	100	100	100	100		99	100	99	100	100	100	100	100	100	99	92	81	98	

# Vaki Riverwatcher

(03/01/14 - 3/9/15)

		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	33	74	358	163	962	765	2351	1749	321	51	36	6865	7493	1												1	1
	S	1	1	2	8	23	109	24	151	124	183	0	2	628		0													
Ad-clip	N	1	11	18	38	15	87	98	560	383	63	13	1	1288	1393	1												1	1
	S	0	0	1	0	3	8	3	31	23	36	0	0	105		0												0	
Ad-undet.	N	1	1	0	4	0	8	6	50	89	56	1	2	218	249	0												0	0
	S	0	0	0	0	0	-1	0	1	3	27	0	1	31		0												0	
<b>Total</b>	N	4	45	92	400	178	1057	869	2961	2221	440	65	39	8371	9135	2												2	2
	S	1	1	3	8	26	116	27	183	150	246	0	3	764		0												0	
O.mykiss	N	30	27	30	33	22	19	12	61	6	16	18	25	299	401	19												19	29
	S	13	2	10	17	14	6	14	6	4	7	0	9	102		10												10	
Ad-clip	N	18	2	0	0	1	1	1	5	6	24	16	4	78	127	4												4	4
	S	3	0	0	0	2	0	0	2	7	30	4	1	49		0												0	
Ad-undet.	N	19	2	1	1	1	0	1	2	0	15	4	12	58	90	3												3	4
	S	11	1	1	1	0	0	0	2	0	5	0	11	32		1												1	
Unk. salmonid	N	0	0	2	1	0	0	0	4	7	10	0	12	36	48	0												0	0
	S	0	0	0	0	0	0	0	0	0	9	0	3	12		0												0	
O.gorbuscha	N	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	
O. nerka	N	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0												0	0
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0												0	
O. keta	N	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	
Brown Trout	N	0	0	0	0	0	0	0	0	1	0	0	0	1	3	0												0	0
	S	0	0	0	0	1	0	0	0	0	0	0	1	2		0												0	
S. pikeminnow	N	56	69	43	11	5	8	1	4	1	1	0	6	205	214	3												3	3
	S	2	0	1	0	0	0	0	1	0	4	1	0	9		0												0	
S. sucker	N	143	124	41	12	10	3	1	2	0	3	0	54	393	479	13												13	13
	S	72	1	-1	0	0	1	0	0	0	9	0	4	86		0												0	
Hardhead	N	0	8	1	0	0	0	0	0	0	0	0	0	9	9	0												0	0
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0												0	
A.shad	N	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0												0	0
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0												0	
Unident. (TL<35cm)	N	32	2	0	-1	0	-1	2	-6	-1	2	0	23	52	97	0												0	0
	S	20	1	-1	1	-3	-1	0	0	0	2	1	25	45		0												0	
Unident. (TL≥35cm)	N	10	-3	2	1	-1	0	0	2	1	13	0	0	25	98	0												0	0
	S	53	0	0	0	0	1	0	0	0	19	0	0	73		0												0	
Mean % Op.	N	83	100	99	100	100	100	82	100	98	88	100	100	96	97	100												100	100
	S	99	100	99	100	100	100	100	100	100	99	92	81	98		100													

# Juvenile Snorkel Survey

## Total Bed Tags Dropped:

Survey Month	Englebright Reach	Timbuctoo Reach	Parks Bar Reach	Dry Creek Reach	DPD Reach	Hallwood Reach	Marysville Reach	Bed Tag Totals
May	8	33	19	15	17	16	23	131
June	16	28	18	10	27	20	16	135
July	5	4	8	4	24	19	20	84
August	2	1	14	10	19	17	21	84
September	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	N/A
October	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	N/A
November	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	N/A
December	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	N/A
January	3	2	5	16	3	2	2	33
February	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	N/A

# Steelhead Redd Survey

## Number of salmonid redds observed each survey week:

Survey Month	Survey Dates	Timbuctoo Reach	Parks Bar Reach	Dry Creek Reach	DPD Reach	Hallwood Reach	Marysville Reach	Redd Totals
January	26-29	12	8	4	3	3	0	30
February	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	No Survey	N/A
	23-26	16*	8	1	0	1	1	27
March	9-12	6	6	0	4**	0	0	16

\* An adult steelhead was observed on one redd in this reach.

\*\* An adult Chinook salmon was observed on one redd in this reach.