

# Vaki Riverwatcher 2010-2012

(03/01/10-02/13/12)

		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	6	8	53	856	77	93	208	951	143	97	18	16	2526	3590	0	0	0	7	17	259	929	2190	516	94	138	7	4157	5864
	S	2	0	0	34	117	8	143	725	29	3	2	1	1064		0	0	0	9	8	311	368	886	79	23	18	5	1707	
Ad-clip	N	7	1	150	1383	58	49	180	142	43	43	5	4	2065	2496	4	0	0	5	20	97	276	529	172	122	13	0	1238	1789
	S	0	0	0	86	109	0	99	132	3	2	0	0	431		0	0	0	2	3	121	119	249	24	28	5	0	551	
Ad-undet.	N	0	0	3	53	11	4	13	29	0	-11	5	1	108	155	0	0	0	0	0	10	15	36	7	12	19	0	99	132
	S	0	0	0	8	6	0	12	19	0	2	0	0	47		0	0	0	0	0	19	4	8	-1	0	3	0	33	
<b>Total</b>	N	13	9	206	2292	146	146	401	1122	186	129	28	21	4699	6241	4	0	0	12	37	366	1220	2755	695	228	170	7	5494	7785
	S	2	0	0	128	232	8	254	876	32	7	2	1	1542		0	0	0	11	11	451	491	1143	102	51	26	5	2291	
O.mykiss	N	22	15	7	7	15	6	10	26	2	10	70	54	244	315	28	230	45	13	21	4	19	27	1	4	11	1	404	1114
	S	0	0	0	0	0	0	3	13	4	24	18	9	71		38	527	40	36	12	7	13	24	3	0	7	3	710	
Ad-clip	N	4	40	4	2	2	2	10	17	17	36	31	81	246	383	82	129	93	63	66	64	77	95	11	15	43	11	749	1141
	S	0	0	0	0	0	0	1	12	0	22	36	66	137		7	239	16	14	2	3	3	27	9	8	57	7	392	
Ad-undet.	N	1	1	1	3	2	0	3	6	3	135	80	44	279	390	66	6	0	10	3	5	7	4	1	0	2	1	105	213
	S	4	0	0	1	0	0	0	3	3	102	-24	22	111		75	7	3	3	1	0	0	0	1	1	17	0	108	
Unk. salmonid	N	0	0	0	0	0	-1	0	2	29	2	0	0	32	40	0	0	0	0	0	0	3	6	0	2	1	1	13	19
	S	1	0	1	0	2	0	0	1	0	0	0	3	8		0	0	0	0	0	0	0	3	0	0	3	0	6	
S. pikeminnow	N	26	116	85	43	10	15	11	1	0	0	2	6	315	348	30	125	86	126	11	29	15	6	2	0	0	1	431	668
	S	0	6	4	16	4	0	0	1	1	0	0	1	33		4	73	81	60	11	7	0	1	0	0	0	0	237	
S. sucker	N	187	212	48	45	43	16	29	14	1	0	8	83	686	1092	340	508	201	27	42	114	71	55	3	0	5	2	1368	2810
	S	131	202	15	16	6	0	9	9	0	3	4	11	406		258	30	781	220	107	44	0	1	0	0	1	0	1442	
Hardhead	N	0	7	18	10	2	3	0	1	0	0	1	1	43	43	0	3	8	7	4	5	3	1	0	0	0	0	31	54
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		1	1	7	10	4	0	0	0	0	0	0	0	23	
A. Shad	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	29	-2	0	0	0	0	0	0	96	104
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	5	3	0	0	0	0	0	0	0	8	
O.gorbuscha	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	4	4
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	5
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1	2	0	0	0	0	3	
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	0	0	0	1
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	1	0	0	0	0	0	0	0	1	
Lamprey	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	0	0	0	1
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	1	0	0	0	0	0	0	0	0	1	
Unident. (TL<35cm)	N	-20	-14	-3	-7	3	-2	5	-3	8	-67	72	-2	-30	459	31	-345	-322	-159	-6	0	-4	-3	-7	-4	1	0	-818	-638
	S	55	57	0	6	0	0	21	14	9	17	65	245	489		184	-15	-3	3	-6	-4	-1	1	-1	-1	23	0	180	
Unident. (TL≥35cm)	N	0	0	0	4	0	0	-1	1	0	0	0	0	4	6	-1	-2	0	0	0	1	1	2	-2	0	0	0	-1	0
	S	0	0	0	0	0	0	2	0	0	0	0	0	2		1	0	0	0	0	0	0	0	0	0	0	0	1	
Mean % Op.	N	100	99	100	100	100	100	100	100	100	100	100	100	100	95	98	100	100	87	100	100	100	100	100	100	100	100	99	99
	S	100	83	100	100	100	13	99	100	100	91	91	99	90		97	100	100	100	100	100	100	100	100	100	100	100	100	

## Redd Survey 2011-2012

Survey Week	Englebright Reach	Timbuctoo Reach	Parks Bar Reach	Dry Creek Reach	DPD Reach	Hallwood Reach	Marysville Reach
09/12/2011	0						
09/19/2011	0	7	1	0	2	0	0
09/26/2011	8						
10/3/2011	13						
10/10/2011	18						
10/17/2011	7	79	44	10	24	6	0
10/24/2011	14						
10/31/2011	16						
11/07/2011	3						
11/14/2011	3	56	32	17	22	22	3
11/21/2011	2						
11/28/2011	3						
12/05/2011	0						
12/12/2011	0						
12/19/2011	0	12	17	14	14	19	4
12/26/2011							
01/02/2012							
01/09/2012	0	10	5	3	3	13	0
01/16/2012							
01/23/2012							
01/30/2012	0	3	3	1	3	3	3
02/06/2012							
02/13/2012							

\*Week of Feb. 13<sup>th</sup> canceled due to turbidity from rainfall runoff.

## Juvenile Habitat Use Survey 2012

- New survey conducted Feb 8, 2012 – Feb 10, 2012
- 7 segments with representative MU compositions for each of 7 reaches (EDR, Timbuctoo, Parks Bar, Dry Creek, DPD, Hallwood, Marysville) were surveyed by snorkeling
- Weather conditions were again favorable.
  - Sunny skies with air temps between 50-60 degrees F.
  - Water temps between 45-51 degrees F.
  - Turbidity was moderate, with Secchi readings less than 2 m.
- Juvenile Chinook salmon observations were recorded in 6 survey segments, EDR being the exception. All were parr at approximately 30-40mm.
- 66 bed tags were dropped during the week's surveys, representing an equal number of HSC data collection points, bringing the total bed tag observations for the year to n=100.
- Depths at observation again varied, but water velocities measured at observation points were generally low (between 0-0.12 m/s)
- 1,630 juvenile Chinook salmon were estimated to be observed during surveys.