

Vaki Riverwatcher

2009-2011 (10/01/09 – 10/25/10)

		O	N	D	J	F	M	A	M	J	J	A	S	subtotal	total YTD	O	N	D	J	F	M	A	M	J	J	A	S	subtotal	total YTD
O.tshawytscha	N	881	246	108	38	6	6	8	53	856	77	93	208	2580	2972	698												698	1336
	S	78	3	1	6	0	2	0	0	34	117	8	143	392		638													
Ad-clip	N	112	32	13	6	3	7	1	150	1383	58	49	180	1994	2313	102												102	221
	S	17	3	1	4	0	0	0	0	86	109	0	99	319		119													
Ad-undet.	N	-5	2	3	2	0	0	0	3	53	11	4	13	86	118	16												16	32
	S	3	0	0	3	0	0	0	0	8	6	0	12	32		16													
Total	N	988	280	124	46	9	13	9	206	2292	146	146	401	4660	5403	816												816	1589
	S	98	6	2	13	0	2	0	0	128	232	8	254	743		773													
O.mykiss	N	13	3	6	2	11	22	15	7	7	15	6	10	117	147	16												16	21
	S	23	1	1	2	0	0	0	0	0	0	0	3	30		5													
Ad-clip	N					6	4	40	4	2	2	2	10	70	71	8												8	12
	S					0	0	0	0	0	0	0	1	1		4													
Ad-undet.	N					1	1	1	1	3	2	0	3	12	17	2												2	3
	S					0	4	0	0	1	0	0	0	5		1													
Unk. salmonid	N	2	0	0	3	0	0	0	0	0	0	-1	0	4	9	1												1	2
	S	0	0	0	0	1	1	0	1	0	2	0	0	5		1													
S. pikeminnow	N	1	4	0	0	0	26	116	85	43	10	15	11	311	341	1												1	2
	S	-1	0	0	1	0	0	6	4	16	4	0	0	30		1													
S. sucker	N	0	0	1	2	13	187	212	48	45	43	16	29	596	982	8												8	15
	S	2	0	0	0	5	131	202	15	16	6	0	9	386		7													
Hardhead	N	0	0	0	0	0	0	7	18	10	2	3	0	40	40	0												0	0
	S	0	0	0	0	0	0	0	0	0	0	0	0	0		0													
Unident. (TL<35cm)	N	1	-3	1	3	0	-20	-14	-3	-7	3	-2	5	-36	121	-8												-8	2
	S	-3	5	2	8	6	55	57	0	6	0	0	21	157		10													
Unident. (TL≥35cm)	N	3	0	0	0	0	0	0	0	4	0	0	-1	6	10	1												1	2
	S	4	-2	0	0	0	0	0	0	0	0	0	2	4		1													
Mean % Op.	N	80	87	50	11	71	100	99	100	100	100	100	100	83	81	100												100	100
	S	100	100	75	30	45	100	83	100	100	100	13	99	79		100													

Operational Status Comments:
100% Operation

Redd Survey

2010-2011 (09/13/10 – 10/29/10)

Week	Englebright – Hwy. 20	Hwy. 20 - DPD	DPD – Simpson	Total
9/13/10	8	4	0	12
9/20/10	53	134	9	196
9/27/10	275	156	18	449
10/04/10	333	68	28	429
10/11/10	240	141	41	422
10/18/10	149	138	86	373
10/25/10*	9	No Survey	No Survey	9
Total	1067	641	182	1890

* Survey week canceled after Narrows to Hwy. 20 reach due to high turbidity and low visibility.

Escapement Survey

2010-2011 (09/13/10 – 10/29/10)

Week	Fresh Carcasses	Decayed Chops	Total Females	Un-spawned Females
09/13/10	27	37	18	17
09/20/10	32	12	17	10
09/27/10	89	71	28	10
10/04/10	158	398	83	5
10/11/10	168	605	95	7
10/18/10	122	567	55	6
10/25/10*	21	183	12	1
Total	617	1873	308	56

*High turbidity and low visibility all week

Escapement Survey (cont.)

2010-2011 (09/13/10 – 10/29/10)

SURVEY PERIOD	T(i) NUMBER TAGGED	NUMBER CHOPPED	RATIO E(i) / R(i)	E(i) TOTAL EXAMINED	R(i) Sum of Rows RECOVERED	RECAPTURES OF FISH MARKED IN SURVEY PERIOD														
PASTE SCHAEFER 1 HERE						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	11	50	0	61	0	PASTE FINAL SCHAEFER MATRIX HERE This row will be over written with column headers from pasted matrix, the formulas used in this template take this i														
2*	11	33	106	106	1	1														
3	35	119	52.3333333	157	3		3													
4	57	489	69.25	554	8		1	7												
5	81	686	34.3478261	790	23			1	22											
6	78	594	22.6774194	703	31			1	3	27										
7			0	0	0															
8			0	0	0															
9			0	0	0															
10			0	0	0															
11			0	0	0															
12			0	0	0															
13			0	0	0															
14			0	0	0															
15			0	0	0															
Totals	273	1971		2371	66	R(i) Total														
					66	C(i) Total														
			C(i) RECOVERED	Sum of Columns		1	4	9	25	27	0	0	0	0	0	0	0	0	0	0
			T(i) / C(i) Ratio			11.00	2.75	3.89	2.28	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SCHAEFER ESTIMATE CALCULATIONS:	
Total Population from Matrix =	7610
# Tagged from period 2 to last =	-262
SCHAEFER ESTIMATE IS:	7,348

Survey Period	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	1166	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	432	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	190	1885	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	134	1723	0	0	0	0	0	0	0	0	0	0	0
6	0	0	88	155	1837	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	1166	622	2107	1878	1837	0	0	0	0	0	0	0	0	0	0