

Vaki Riverwatcher

2009-2011 (10/01/09 – 10/31/10)

		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	951												951	1676
	S	78	3	1	6	0	2	0	0	34	117	8	143	392		725												725	
Ad-clip	N	112	32	13	6	3	7	1	150	1383	58	49	180	1994	2313	142												142	274
	S	17	3	1	4	0	0	0	0	86	109	0	99	319		132												132	
Ad-undet.	N	-5	2	3	2	0	0	0	3	53	11	4	13	86	118	29												29	48
	S	3	0	0	3	0	0	0	0	8	6	0	12	32		19												19	
Total	N	988	280	124	46	9	13	9	206	2292	146	146	401	4660	5403	1122												1122	1998
	S	98	6	2	13	0	2	0	0	128	232	8	254	743		876												876	
O.mykiss	N	13	3	6	2	11	22	15	7	7	15	6	10	117	147	26												26	39
	S	23	1	1	2	0	0	0	0	0	0	0	3	30		13												13	
Ad-clip	N					6	4	40	4	2	2	2	10	70	71	17												17	29
	S					0	0	0	0	0	0	0	1	1		12												12	
Ad-undet.	N					1	1	1	1	3	2	0	3	12	17	6												6	9
	S					0	4	0	0	1	0	0	0	5		3												3	
Unk. salmonid	N	2	0	0	3	0	0	0	0	0	0	-1	0	4	9	2												2	3
	S	0	0	0	0	1	1	0	1	0	2	0	0	5		1												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												1	
S. sucker	N	0	0	1	2	13	187	212	48	45	43	16	29	596	982	14												14	23
	S	2	0	0	0	5	131	202	15	16	6	0	9	386		9												9	
Hardhead	N	0	0	0	0	0	0	7	18	10	2	3	0	40	40	1												1	1
	S	0	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	-3												-3	11
	S	-3	5	2	8	6	55	57	0	6	0	0	21	157		14												14	
Unident. (TL≥35cm)	N	3	0	0	0	0	0	0	0	4	0	0	-1	6	10	1												1	1
	S	4	-2	0	0	0	0	0	0	0	0	0	2	4		0												0	
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												100	

Operational Status Comments:

100% Operation

Redd Survey

2010-2011 (09/13/10 – 11/12/10)

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
11/01/10	No Survey	No Survey	No Survey	N/A
11/08/10	157	240	227	624
Total	1224	881	409	2514

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

Escapement Survey

2010-2011 (09/13/10 – 11/12/10)

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
11/01/10*	50	196	23	0
11/08/10	64	384	34	0
Total	731	2453	365	56

*High turbidity and low visibility all week

Escapement Survey (cont.)

2010-2011 (09/13/10 – 11/12/10)

SURVEY PERIOD	T(i)		RATIO E(i) / R(i)	E(i)		R(i)		RECAPTURES OF FISH MARKED IN SURVEY PERIOD														
	NUMBER TAGGED	NUMBER CHOPPED		TOTAL EXAMINED	Sum of Rows RECOVERED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
PASTE SCHAEFER 1 HERE								PASTE FINAL SCHAEFER MATRIX HERE														
1	11	50	0	61	0	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															
3	35	119	52.3333333	157	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	15	188	15.5	217	14				5	9												
8	33	205	27.4444444	247	9				2	2	5											
9	53	387	49.8888889	449	9					1	1	7										
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	374	2751		3284	98	R(i) Total																
					98	C(i) Total																
			C(i) RECOVERED	Sum of Columns			1	4	9	25	34	12	6	7	0	0	0	0	0	0		
			T(i) / C(i) Ratio				11.00	2.75	3.89	2.28	2.38	6.50	2.50	4.71	0.00	0.00	0.00	0.00	0.00	0.00		

SCHAEFER ESTIMATE CALCULATIONS:	
Total Population from Matrix =	11249
# Tagged from period 2 to last =	-363
SCHAEFER ESTIMATE IS:	10,886

Matrix of Population Estimates															
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	1459	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	185	907	0	0	0	0	0	0	0	0	0
8	0	0	0	0	131	357	343	0	0	0	0	0	0	0	0
9	0	0	0	0	0	324	125	1646	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	1774	1588	468	1646	0	0	0	0	0	0	0

Acoustic Telemetry

2010 (thru 11/12/10)

In the past two weeks, PSMFC crews have tracked six spring-run and three fall-run Chinook salmon. Three spring-run tags and two fall-run tags are being tracked above DPD. Three spring-run tags and one fall-run tag are being tracked below DPD.

Spring-run Above DPD

35736 – Narrows Pool (RM22)

35732 – Long Bar side channel (RM15)

35730 – Above the drift boat take-out (RM12)

Spring-run Below DPD

35716 – DPD plunge pool (RM11)

35726 – DPD plunge pool (RM11)

35728 – Blue Lagoon above RST site (RM8)

Fall-run Above DPD

20711 - Above YOA boat launch (RM21)

20708 – Timbuctoo Bend (RM19)

Fall-run Below DPD

20713 – Below Kibbie Riffle (RM10)