

**Vaki Riverwatcher**  
**2009-2010 (10/01/09 – 9/30/10)**

		O	N	D	J	F	M	A	M	J	J	A	S	Total Passage (YTD)	
Chinook salmon	N	881	246	108	38	6	6	8	53	856	77	93	208	2580	2972
	S	78	3	1	6	0	2	0	0	34	117	8	143	392	
Ad-clipped Chinook salmon	N	112	32	13	6	3	7	1	150	1383	58	49	180	1994	2313
	S	17	3	1	4	0	0	0	0	86	109	0	99	319	
Ad-undetermined Chinook salmon	N	-5	2	3	2	0	0	0	3	53	11	4	13	86	118
	S	3	0	0	3	0	0	0	0	8	6	0	12	32	
Total Chinook salmon	N	988	280	124	46	9	13	9	206	2292	146	146	401	4259	4748
	S	98	6	2	13	0	2	0	0	128	232	8	254	489	
O.mykiss	N	13	3	6	2	11	22	15	7	7	15	6	10	117	147
	S	23	1	1	2	0	0	0	0	0	0	0	3	30	
Ad-clipped O.mykiss	N					6	4	40	4	2	2	2	10	70	71
	S					0	0	0	0	0	0	0	1	1	
Ad-undetermined O.mykiss	N					1	1	1	1	3	2	0	3	12	17
	S					0	4	0	0	1	0	0	0	5	
Unknown salmonid	N	2	0	0	3	0	0	0	0	0	0	-1	0	4	9
	S	0	0	0	0	1	1	0	1	0	2	0	0	5	
Sacramento pikeminnow	N	1	4	0	0	0	26	116	85	43	10	15	11	311	341
	S	-1	0	0	1	0	0	6	4	16	4	0	0	30	
Sacramento sucker	N	0	0	1	2	13	187	212	48	45	43	16	29	596	982
	S	2	0	0	0	5	131	202	15	16	6	0	9	386	
Hardhead	N	0	0	0	0	0	0	7	18	10	2	3	0	40	40
	S	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unidentified fish(TL<35cm)	N	1	-3	1	3	0	-20	-14	-3	-7	3	-2	5	-36	121
	S	-3	5	2	8	6	55	57	0	6	0	0	21	157	
Unidentified fish(TL≥35cm)	N	3	0	0	0	0	0	0	0	4	0	0	-1	6	10
	S	4	-2	0	0	0	0	0	0	0	0	0	2	4	
Mean % Operation	N	80	87	50	11	71	100	99	100	100	100	100	100	83	81
	S	100	100	75	30	45	100	83	100	100	100	13	99	79	

**Comments:**  
 Survey year complete.

**Vaki Riverwatcher**  
**2010-2011 (10/01/10 – 10/11/10)**

		O	N	D	J	F	M	A	M	J	J	A	S	Total Passage (YTD)
Chinook salmon	N	243												361
	S	118												
Ad-clipped Chinook salmon	N	36												68
	S	32												
Ad-undetermined Chinook salmon	N	5												7
	S	2												
<b>Total Chinook salmon</b>	N	284												436
	S	152												
O.mykiss	N	8												12
	S	4												
Ad-clipped O.mykiss	N	2												3
	S	1												
Ad-undetermined O.mykiss	N	2												3
	S	1												
Unknown salmonid	N	1												1
	S	0												
Sacramento pikeminnow	N	1												1
	S	0												
Sacramento sucker	N	2												3
	S	1												
Hardhead	N	0												0
	S	0												
Unidentified fish(TL<35cm)	N	-5												-2
	S	3												
Unidentified fish(TL≥35cm)	N	0												0
	S	0												
Mean % Operation	N	100												100
	S	100												

**Comments:**

None.

## Redd Survey

2010-2011 (09/13/10 – 10/15/10)

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
<b>Total</b>	909	503	96	1508

## Escapement Survey

2010-2011 (09/13/10 – 10/15/10)

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
<b>Total</b>	474	1123	241	49

# Escapement Survey (cont.)

## 2010-2011 (09/13/10 – 10/15/10)

SURVEY PERIOD	T(i) 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														
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			0	0	0															
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	195	1377		1668	35	R(i) Total														
					35	C(i) Total														
			C(i) RECOVERED	Sum of Columns		1	4	8	22	0	0	0	0	0	0	0	0	0	0	0
			T(i) / C(i) Ratio			11.00	2.75	4.38	2.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

  

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	2121	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	150	1958	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	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	2271	1958	0	0	0	0	0	0	0	0	0	0	0