

Vaki Riverwatcher
2009-2010 (10/01/09 – 12/10/09)

		O	N	D	J	F	M	A	M	J	J	A	S	Total Passage	
Chinook salmon	N	881	246	17										1144	1226
	S	78	3	1										82	
Ad-clipped Chinook salmon	N	112	32	4										148	168
	S	17	3	0										20	
Ad-undetermined Chinook salmon	N	-5	2	0										-3	0
	S	3	0	0										3	
Total Chinook salmon	N	988	280	21										1289	1394
	S	98	6	1										105	
Steelhead	N	13	3	1										17	41
	S	23	1	0										24	
Unknown salmonid	N	2	0	0										2	2
	S	0	0	0										0	
Sacramento pikeminnow	N	1	4	0										5	4
	S	-1	0	0										-1	
Sacramento sucker	N	0	0	0										0	2
	S	2	0	0										2	
Hardhead	N	0	0	0										0	0
	S	0	0	0										0	
Unidentified (TL<35cm)	N	1	-3	1										-1	2
	S	-3	5	1										3	
Unidentified (TL≥35cm)	N	3	0	0										3	5
	S	4	-2	0										2	
Functional operation (%)	N	80	87	100										89	95
	S	100	100	100										100	

Operational Status Comments:

No system disconnects in December to date.

Escapement Survey 2009-2010 (09/08/09 – 12/10/09)

Week	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													
	1	2	3	4	5	6	7	8	9	10	11	12	13							
8-Sep	1	2	0	0	2	0														
15-Sep	2*	2	2	7	7	1														
22-Sep	3	9	5	4.5	18	4														
29-Sep	4	39	65	6.77777778	122	18														
6-Oct	5	69	149	7.8125	250	32														
13-Oct	6	65	177	6.62790698	285	43														
21-Oct	7	43	338	11.5833333	417	36														
27-Oct	8	33	185	7.22857143	253	35														
3-Nov	9	22	142	5.68571429	199	35														
10-Nov	10	19	68	5.57894737	106	19														
17-Nov	11	7	59	5.71428571	80	14														
23-Nov	12	15	26	9.2	46	5														
1-Dec	13	5	24	6.8	34	5														
8-Dec	14	0	12	7	14	2														
	15			0	0	0														
	16			0	0	0														
	17			0	0	0														
	18			0	0	0														
	19			0	0	0														
	20			0	0	0														
Totals	330	1252			1833	249														
						R(i) Total														
						C(i) Total														
				C(i) RECOVERED	Sum of Columns		0	1	3	17	28	25	14	16	11	8	3	1	1	
				T(i) / C(i) Ratio			0.00	2.00	3.00	2.29	2.46	2.60	3.07	2.06	2.00	2.38	2.33	15.00	5.00	

SCHAEFER ESTIMATE CALCULATIONS:	
Total Population from Matrix =	4325
# Tagged from period 2 to last =	-328
SCHAEFER ESTIMATE IS:	3,997

Matrix of Population Estimates													
Survey Period	1	2	3	4	5	6	7	8	9	10	11	12	13
1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	7	0	0	0	0	0	0	0	0	0	0	0	0
3	18	9	0	0	0	0	0	0	0	0	0	0	0
4	122	0	61	0	0	0	0	0	0	0	0	0	0
5	250	0	0	269	0	0	0	0	0	0	0	0	0
6	285	0	0	0	278	0	0	0	0	0	0	0	0
7	417	0	0	27	257	482	0	0	0	0	0	0	0
8	253	0	0	0	38	178	0	0	0	0	0	0	0
9	199	0	0	13	28	89	70	141	0	0	0	0	0
10	106	0	0	0	0	0	17	23	78	0	0	0	0
11	80	0	0	0	0	15	18	12	23	54	0	0	0
12	46	0	0	0	0	0	0	0	37	22	43	0	0
13	34	0	0	0	0	0	0	14	0	32	16	102	0
14	14	0	0	0	0	0	0	0	0	17	0	0	35
15	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	1831	9	61	308	563	623	282	190	138	125	59	102	35

Redd Survey

2009-2010 (09/02/09 – 12/11/09)

Week	Englebright Reach	Narrows Pool-SR 20	SR 20-DPD	DPD- Simpson	Total
Aug. 30	0	0	0	0	0
Sep. 7	0	7	0	0	7
Sep. 14	2	87	13	1	103
Sep. 21	8	172	65	5	250
Sep. 28	10	234	94	16	354
Oct. 5	22	293	165	34	514
Oct. 12*	No Data	No Data	No Data	No Data	No Data
Oct. 19	24	161	281	110	576
Oct. 26	8	138	208	154	508
Nov. 2	0	56	123	146	325
Nov. 9	1	24	80	85	190
Nov. 16	0	9	39	87	135
Nov. 23	0	8	26	101	135
Nov. 30	0	13	11	40	64
Dec. 7	1	9	9	41	60
					3221

*The redd survey for the week of October 12th was canceled due to high winds (gusts to 45 mph) and poor visibility.

