

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	209	2581	2964
	S	78	3	1	6	0	2	0	0	34	117	8	134	383	
Ad-clipped Chinook salmon	N	112	32	13	6	3	7	1	150	1383	58	49	169	1983	2299
	S	17	3	1	4	0	0	0	0	86	109	0	96	316	
Ad-undetermined Chinook salmon	N	-5	2	3	2	0	0	0	3	53	11	4	5	78	100
	S	3	0	0	3	0	0	0	0	8	6	0	2	22	
Total Chinook salmon	N	988	280	124	46	9	13	9	206	2292	146	146	383	4259	4748
	S	98	6	2	13	0	2	0	0	128	232	8	232	489	
O.mykiss	N	13	3	6	2	11	22	15	7	7	15	6	7	114	143
	S	23	1	1	2	0	0	0	0	0	0	0	2	29	
Ad-clipped O.mykiss	N					6	4	40	4	2	2	2	3	63	64
	S					0	0	0	0	0	0	0	1	1	
Ad-undetermined O.mykiss	N					1	1	1	1	3	2	0	0	9	14
	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	19	319	361
	S	-1	0	0	1	0	0	6	4	16	4	0	12	42	
Sacramento sucker	N	0	0	1	2	13	187	212	48	45	43	16	36	603	994
	S	2	0	0	0	5	131	202	15	16	6	0	14	391	
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	107
	S	-3	5	2	8	6	55	57	0	6	0	0	7	143	
Unidentified fish(TL≥35cm)	N	3	0	0	0	0	0	0	0	4	0	0	2	9	11
	S	4	-2	0	0	0	0	0	0	0	0	0	0	2	
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	100	13	99	

Operational Status Comments:

100% operation

Acoustic Telemetry

Spring-run

- Roving surveys continue.
- One V13L transmitter was recovered from the Feather River Hatchery last week.

Fall-run

- 2 captures have been acoustically tagged (on August 23 and September 10, respectively).
- Tagging efforts were suspended September 21th and will resume October 18th.

Substrate/Cover Survey

Substrate

- A few unmapped areas remain that were either associated with deep water, or inaccessible backwater areas. The deep water areas will be mapped in conjunction with the deep water redd survey in October.
- Unmapped areas in the Englebright Reach were completed in September.

Cover

- Cover mapping has been completed from the mouth to the train trestle bridge (approximately one mile).
- Cover mapping will resume in November.

Redd Survey

Week	Englebright Reach	Narrows Pool to Hwy 20	Hwy 20 to DPD	DPD to Hallwood	Weekly Totals
9/6/10	0	0	0	0	0
9/13/10	2	0	0	0	2
9/20/10	5	185		9	199
9/27/10	9	266	156	18	449
10/4/10	17	n/a	n/a	n/a	n/a

Escapement Survey

- Escapement surveys began September 14.
- Egg retention results are as follows:
 - Week 1 – 18 females, 17 unspawned (94%)
 - Week 2 – 17 females, 10 unspawned (59%)
 - Week 3 – 28 females, 10 unspawned (36%)