

Vaki Riverwatcher Update

2008-2009 Water Year

Fish Species:

		O	N	D	J	F	M	A	M	J	J	A	S	Total Passage (YTD)	
Non-clipped Salmon	N	324	150	69	19	21	0	10	47	269	133	441	1092	2575	2721
	S	69	14	9	2	4	0	0	5	3	0	24	16	146	
Adipose Clipped Salmon	N	20	16	56	50	37	1	0	36	136	33	85	260	730	777
	S	6	0	17	2	4	0	0	0	6	1	6	5	47	
Salmon Adipose Undetermined	N	4	1	7	9	3	0	0	7	22	5	20	27	105	108
	S	0	0	2	1	2	0	0	0	0	0	0	-2	3	
Total Salmon Passage	N	348	167	132	78	61	1	10	90	427	171	546	1379	3410	3606
	S	75	14	28	5	10	0	0	5	9	1	30	19	196	
Steelhead	N	20	39	17	47	85	17	1	8	6	3	8	4	255	405
	S	6	9	8	23	14	4	0	0	10	33	33	10	150	
Unknown Salmonid	N	1	1	3	3	1	0	0	1	4	0	8	4	26	29
	S	0	0	1	0	1	1	0	0	0	0	0	0	3	
Sacramento Pikeminnow	N	0	1	0	0	0	38	39	283	21	6	1	1	390	458
	S	0	0	0	0	0	7	14	28	12	1	6	0	68	
Sacramento Sucker	N	0	0	0	1	21	60	19	206	11	29	20	4	371	852
	S	0	0	0	1	53	160	71	186	2	2	5	1	481	
Hardhead	N	0	0	0	0	0	0	3	8	2	1	2	0	16	17
	S	0	0	0	0	0	0	0	0	0	1	0	0	1	
Unidentified Fish (TL<35cm)	N	0	1	0	13	54	65	-3	452	30	11	8	12	643	971
	S	0	-2	0	20	91	64	9	128	6	3	-1	10	328	
Unidentified Fish (TL≥35cm)	N	9	5	2	2	9	0	0	2	1	0	0	0	30	112
	S	8	4	1	1	7	1	0	60	0	0	0	0	82	

Operational Status:

		O	N	D	J	F	M	A	M	J	J	A	S	Mean % Operation (YTD)	
Mean % Operation	N	97.0	100	73.0	59.0	78.0	73.0	95.0	67.0	99.6	100	100	74	85	88
	S	100	88.0	77.0	80.0	87.0	93.0	100	77.0	100	99.5	100	100	92	

Vaki Riverwatcher Update

2009-2010 Water Year (10/01/09 – 10/12/09)

Fish Species:

		O	N	D	J	F	M	A	M	J	J	A	S	Total Passage (YTD)	
Non-clipped Salmon	N	176												176	195
	S	19												19	
Adipose Clipped Salmon	N	34												34	44
	S	10												10	
Salmon Adipose Undetermined	N	2												2	5
	S	3												3	
Total Salmon Passage	N	212	0	0	0	0	0	0	0	0	0	0	0	212	244
	S	32	0	0	0	0	0	0	0	0	0	0	0	32	
Steelhead	N	9												9	25
	S	16												16	
Unknown Salmonid	N	0												0	0
	S	0												0	
Sacramento Pikeminnow	N	0												0	0
	S	0												0	
Sacramento Sucker	N	0												0	0
	S	0												0	
Hardhead	N	0												0	0
	S	0												0	
Unidentified Fish (TL<35cm)	N	2												2	-2
	S	-4												-4	
Unidentified Fish (TL≥35cm)	N	0												0	0
	S	0												0	

Operational Status:

		Mean % Operation (YTD)														
Mean % Operation	N	85.0													85	93
	S	100													100	

Operational Status Comments:

The north Vaki system has been experiencing intermittent system disconnects during the months of September and October. Periods of sustained fish passage are suspected to be the cause. The system hardware associated with the north ladder is likely incapable of processing the large amounts of data associated with multiple passage events during modalities commonly associated with fall-run Chinook salmon run timing. The system hardware was standard specification for computing equipment in 2004 and has experienced

similar disconnect issues during previous monitoring seasons. Other possible causes include ambient air temperatures that can exceed the recommended operating range of the equipment and/or an exhaustion of the current power supply. Although the north and south systems are subject to the same environmental conditions affecting equipment temperatures and power supply, the south system did not experience any disconnect issues during this time.

Escapement Survey Update

Week	Narrows-Hwy 20	Hwy 20-DPD	DPD-Simpson	Weekly Totals
Sept. 8 th	Tags = 0 Chop = 0 Recoveries = 0	Tags = 2 Chop = 0 Recoveries = 0	Tags = 0 Chop = 0 Recoveries = 0	2 0 0
Sept. 15 th	Tags = 2 Chop = 2 Recoveries = 0	Tags = 0 Chop = 0 Recoveries = 0	Tags = 0 Chop = 0 Recoveries = 0	2 2 0
Sept. 22 nd	Tags = 9 Chop = 5 Recoveries = 1	Tags = 2 Chop = 2 Recoveries = 1	Tags = 0 Chop = 1 Recoveries = 0	11 8 2

RMT 2009 Redd Survey Update for 10/19/09

Week	Englebright Reach	Narrows Pool- Apex Riffle	Apex Riffle- Hwy 20	Hwy 20-DPD	DPD- Simpson	Weekly Totals
Sept. 2-4	0	0	0	0	0	0
Sept. 8-10	0	3	4	0	0	7
Sept. 15-17	2	58	29	13	1	103
Sept. 21-24	8	120	52	65	5	250
Sept. 29-Oct 1	10	128	106	94	16	354
Oct 5-8	22	73	120	165	34	414
Oct 12-16	No Data	No Data	No Data	No Data	No Data	No Data
						0
						0
						0

Preliminary Data, Not QAQC'd

Notes: The redd survey for the week of October 12th was cancelled due to bad weather and poor visibility.