

We have 9,000AF of water that was carried over from the spring pulse and 3,141AF of Interpolation water, for a total of 12,141AF available for a fall pulse.

Based on the volumes noted above I put together the attached DRAFT. You should note that the base flow is presently 50cfs but we are buffering to about 100cfs, the base flow goes up to 100cfs on October 1st and then up to 150cfs on Oct. 15th. Historically we have started the fall pulse/interpolation water between Oct. 1st and 15th.

Tuolumne River Fish Flow B120 Update's																			
	April - July (AF)					Oct - March (AF)													
	60-20-20 YEAR	Stanislaus	Tuolumne	Merced	Fraint	TOTAL	Stanislaus	Tuolumne	Merced	Fraint	TOTAL	60-20-20 Index	Minimum Flow Requirement	FERC WYT	Base Flow Requirement	Spring Pulse Requirement	Fall Pusle Requirement	Interpolation Flow Requirement	
14		232,171	423,354	180,810	375,485	1,211,820	123,348	166,401	57,498	113,744	460,991	1,160,495	94,000	Critical Water Year and Below		11,091		0.00	
15		133,081	307,952	104,627	192,518	738,178	190,977	276,982	74,324	123,674	665,957	808,197	94,000	Critical Water Year and Below		11,091		0.00	
16		568,262	1,020,077	494,607	892,555	2,975,501	498,761	783,833	351,782	391,110	2,025,486	2,352,037	127,506	Median Dry Water Year		37,060		11,877.83	
17		1,440,796	2,454,169	1,232,846	2,641,089	7,768,900	1,570,518	2,276,847	1,222,014	1,585,049	6,654,428	6,462,633	300,923	Intermediate AN-W		89,882		0.00	
18		588,162	1,011,627	459,456	947,685	3,006,930	378,596	620,658	273,637	368,411	1,641,302	3,032,418	165,003	Median Below Normal Water Year		60,027		118,106.32	
19		1,241,334	1,990,176	1,076,834	2,034,275	6,342,619	639,500	907,414	503,118	591,514	2,641,554	4,940,366	300,923	Intermediate AN-W		89,882		0.00	
20		438,126	686,861	359,181	670,195	2,154,363	215,159	269,451	124,084	192,804	801,498	2,352,917	127,506	Median Dry Water Year		37,060		11,939.68	
2021 WY		212,207	448,885	207,022	360,017	1,228,131	121,641	145,294	91,084	152,032	510,051	1,309,472	94,000	Critical Water Year and Below		11,091		0.00	
2022 WY		280,000	490,000	235,000	500,000	1,505,000	357,000	505,000	232,000	487,000	1,581,000	1,481,094	103,000	Median Critical Water Year	82,909	20,091		0.00	
2022																			
	June 7 Forecast																		
	DRY	290,000	520,000	240,000	505,000	1,555,000	357,000	505,000	232,000	487,000	1,581,000	1,787,059	103,000	Median Critical Water Year	82,909	20,091		0.00	
	AVERAGE	310,000	550,000	250,000	540,000	1,650,000	357,000	505,000	232,000	487,000	1,581,000	1,844,059	103,000	Median Critical Water Year	82,909	20,091		10,379.38	
	WET	330,000	590,000	270,000	580,000	1,770,000	357,000	505,000	232,000	487,000	1,581,000	1,916,059	103,000	Median Critical Water Year	82,909	20,091		12,410.79	

Snorkel Survey results for Chinook and *O. mykiss* (preliminary)

July 20 - 22, 2022

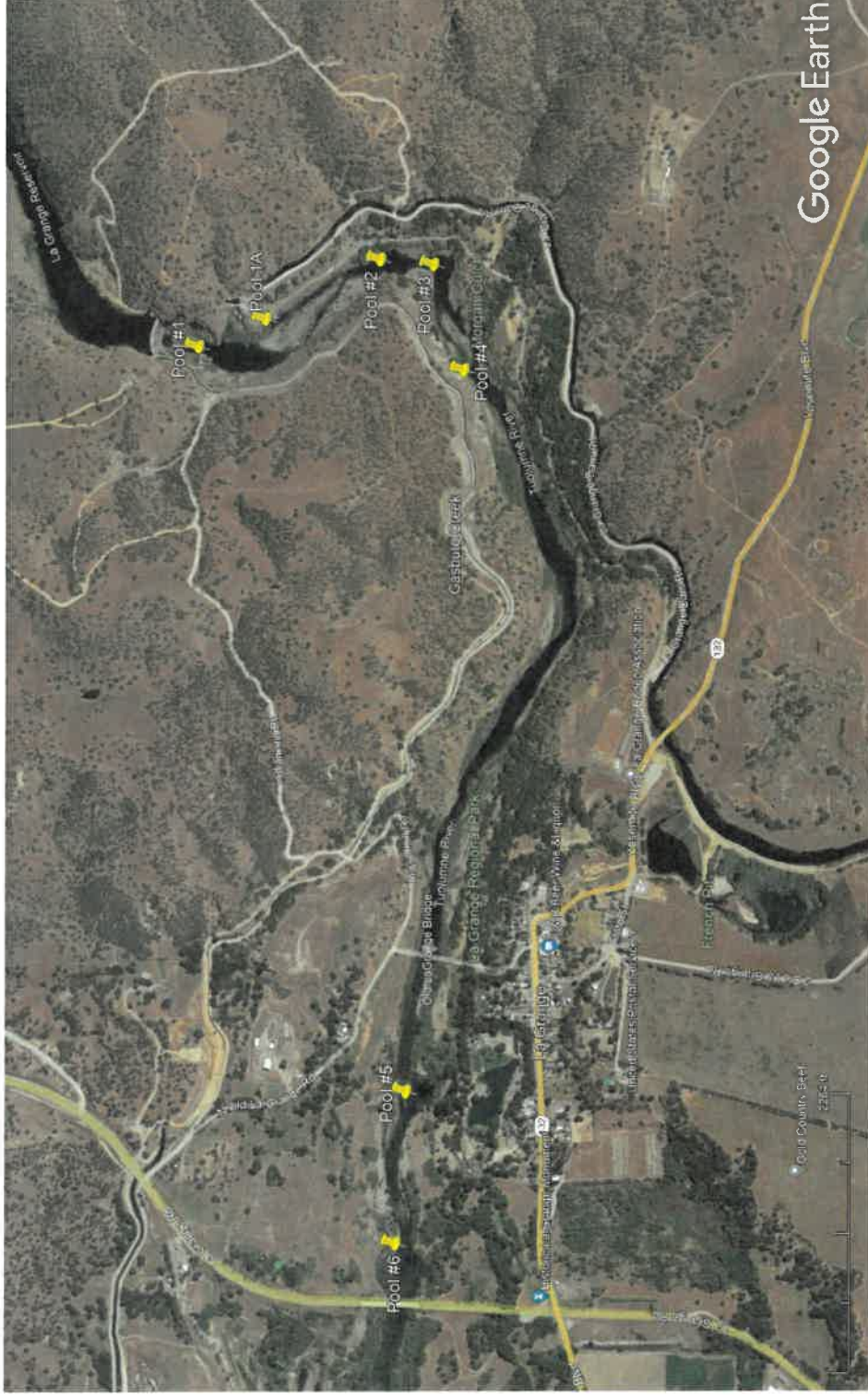
RM	Site	Description	Juvenile Chinook (<200mm)	<i>O. mykiss</i> (<150mm)	<i>O. mykiss</i> (150-300mm)	<i>O. mykiss</i> (>300mm)	Total <i>O. mykiss</i>
50.7	Riffle A7	below La Grange	0	16	14	0	30
49.9	Riffle 2	below NLGB	5	7	43	3	53
49.1	Riffle 3B	upper Basso	0	6	12	3	21
48.0	Riffle 5B	above Basso Bridge	0	7	7	1	15
46.9	Riffle 7	upper Zanker	0	13	0	0	13
45.6	Riffle 13B	Zanker Ranch	0	1	0	0	1
42.9	Riffle 21	Bobcat Flat	0	0	0	2	2
42.3	Riffle 23C	Tuolumne River Resort	0	1	1	0	2
38.1	Riffle 31	7/11 Gravel	0	0	0	0	0
37.0	Riffle 35A	Santa Fe Gravel	0	0	0	0	0
35.3	Riffle 41A	Dierdorff Ranch	0	0	0	0	0
31.5	Riffle 57	below Hickman Bridge	0	0	0	0	0
2022 Totals			5	51	77	9	137
2021 Totals			2	13	36	7	56

Note:

Chinook at only one location (RM 49.9)

O. mykiss observed primarily upstream of RM 46.9

No salmonids observed below RM 42.3



Tuolumne River Snorkeling Event 8/30 and 8/31 2022

Location	RBT 3-6 inches	RBT 6-12 inches	RBT 12-20 inches	RBT +20 inches	SB 18-24 inches	SB +24 inches	Pike minnow	Sac Sucker	Sculpin
Pool #1			2						
Pool #1A		6	8						
Pool #2			5	1	8	2			
Pool #3		1							
Pool #4									
Pool #5		4							1
Pool #6	7	4	1		2	2	2	10	

Tuolumne River Snorkel Survey, July 2022

