

Table 2

Tuolumne River Flow Schedule  
Based on DWR Values, 60-20-20 Index for 2021, Hydrologic Conditions  
Schedule For 2021-2022 Fish Flow Year

DATE		Number of DAYS	BASE FLOW <sup>1</sup>			PULSE FLOW <sup>2</sup>			INTERPOLATION FLOW			Other Adjusted Flow			TOTAL FERC FLOW			Agreed Upon
From:	To:		CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	ACCUM. <sup>3</sup>	A/R.	
15-Apr-2021	15-Apr-2021	1	150	298	298	1,940	3,847	3,847	0	0	0	0	0	0	2,090	4,145		Yes
16-Apr-2021	16-Apr-2021	1	150	298	595	826	1,639	5,486	0	0	0	0	0	0	976	6,081		Yes
17-Apr-2021	17-Apr-2021	1	150	298	893	300	595	6,081	0	0	0	0	0	0	450	6,974		Yes
18-Apr-2021	18-Apr-2021	1	150	298	1,190	717	1,421	7,502	0	0	0	0	0	0	867	8,693		Yes
19-Apr-2021	19-Apr-2021	1	150	298	1,488	1,144	2,269	9,771	0	0	0	0	0	0	1,294	11,259		Yes
20-Apr-2021	20-Apr-2021	1	150	298	1,785	655	1,299	11,070	0	0	0	0	0	0	805	12,855		Yes
21-Apr-2021	21-Apr-2021	1	150	298	2,083	10	21	11,091	0	0	0	0	0	0	160	13,174		Yes
22-Apr-2021	22-Apr-2021	1	150	298	2,380	0	0	11,091	0	0	0	0	0	0	150	13,471		Yes
23-Apr-2021	23-Apr-2021	1	150	298	2,678	0	0	11,091	0	0	0	0	0	0	150	13,769		Yes
24-Apr-2021	24-Apr-2021	1	150	298	2,975	0	0	11,091	0	0	0	0	0	0	150	14,066		Yes
25-Apr-2021	25-Apr-2021	1	150	298	3,273	0	0	11,091	0	0	0	0	0	0	150	14,364		Yes
26-Apr-2021	26-Apr-2021	1	150	298	3,570	0	0	11,091	0	0	0	0	0	0	150	14,661		Yes
27-Apr-2021	27-Apr-2021	1	150	298	3,868	0	0	11,091	0	0	0	0	0	0	150	14,959		Yes
28-Apr-2021	28-Apr-2021	1	150	298	4,165	0	0	11,091	0	0	0	0	0	0	150	15,256		Yes
29-Apr-2021	29-Apr-2021	1	150	298	4,463	0	0	11,091	0	0	0	0	0	0	150	15,554		Yes
30-Apr-2021	30-Apr-2021	1	150	298	4,760	0	0	11,091	0	0	0	0	0	0	150	15,851		Yes
01-May-2021	01-May-2021	1	150	298	5,058	0	0	11,091	0	0	0	0	0	0	150	16,149		Yes
02-May-2021	02-May-2021	1	150	298	5,355	0	0	11,091	0	0	0	0	0	0	150	16,446		Yes
03-May-2021	03-May-2021	1	150	298	5,653	0	0	11,091	0	0	0	0	0	0	150	16,744		Yes
04-May-2021	04-May-2021	1	150	298	5,950	0	0	11,091	0	0	0	0	0	0	150	17,041		Yes
05-May-2021	05-May-2021	1	150	298	6,248	0	0	11,091	0	0	0	0	0	0	150	17,339		Yes
06-May-2021	06-May-2021	1	150	298	6,545	0	0	11,091	0	0	0	0	0	0	150	17,636		Yes
07-May-2021	07-May-2021	1	150	298	6,843	0	0	11,091	0	0	0	0	0	0	150	17,934		Yes
08-May-2021	08-May-2021	1	150	298	7,140	0	0	11,091	0	0	0	0	0	0	150	18,231		Yes
09-May-2021	09-May-2021	1	150	298	7,438	0	0	11,091	0	0	0	0	0	0	150	18,529		Yes
10-May-2021	10-May-2021	1	150	298	7,736	0	0	11,091	0	0	0	0	0	0	150	18,827		Yes
11-May-2021	11-May-2021	1	150	298	8,033	0	0	11,091	0	0	0	0	0	0	150	19,124		Yes
12-May-2021	12-May-2021	1	150	298	8,331	0	0	11,091	0	0	0	0	0	0	150	19,422		Yes
13-May-2021	13-May-2021	1	150	298	8,628	0	0	11,091	0	0	0	0	0	0	150	19,719		Yes
14-May-2021	14-May-2021	1	150	298	8,926	0	0	11,091	0	0	0	0	0	0	150	20,017		Yes
15-May-2021	15-May-2021	1	150	298	9,223	0	0	11,091	0	0	0	0	0	0	150	20,314		Yes
16-May-2021	16-May-2021	1	150	298	9,521	0	0	11,091	0	0	0	0	0	0	150	20,612		Yes
17-May-2021	17-May-2021	1	150	298	9,818	0	0	11,091	0	0	0	0	0	0	150	20,909		Yes
18-May-2021	18-May-2021	1	150	298	10,116	0	0	11,091	0	0	0	0	0	0	150	21,207		Yes
19-May-2021	19-May-2021	1	150	298	10,413	0	0	11,091	0	0	0	0	0	0	150	21,504		Yes
20-May-2021	20-May-2021	1	150	298	10,711	0	0	11,091	0	0	0	0	0	0	150	21,802		Yes
21-May-2021	21-May-2021	1	150	298	11,008	0	0	11,091	0	0	0	0	0	0	150	22,099		Yes
22-May-2021	22-May-2021	1	150	298	11,306	0	0	11,091	0	0	0	0	0	0	150	22,397		Yes
23-May-2021	23-May-2021	1	150	298	11,603	0	0	11,091	0	0	0	0	0	0	150	22,694		Yes
24-May-2021	24-May-2021	1	150	298	11,901	0	0	11,091	0	0	0	0	0	0	150	22,992		Yes
25-May-2021	25-May-2021	1	150	298	12,198	0	0	11,091	0	0	0	0	0	0	150	23,289		Yes
26-May-2021	26-May-2021	1	150	298	12,496	0	0	11,091	0	0	0	0	0	0	150	23,587		Yes
27-May-2021	27-May-2021	1	150	298	12,793	0	0	11,091	0	0	0	0	0	0	150	23,884		Yes
28-May-2021	28-May-2021	1	150	298	13,091	0	0	11,091	0	0	0	0	0	0	150	24,182		Yes
29-May-2021	29-May-2021	1	150	298	13,388	0	0	11,091	0	0	0	0	0	0	150	24,479		Yes
30-May-2021	30-May-2021	1	150	298	13,686	0	0	11,091	0	0	0	0	0	0	150	24,777		Yes
31-May-2021	31-May-2021	1	150	298	13,983	0	0	11,091	0	0	0	0	0	0	150	25,074		Yes
01-Jun-2021	01-Jun-2021	1	50	99	14,083	0	0	11,091	0	0	0	0	0	0	50	25,174		Yes
02-Jun-2021	02-Jun-2021	1	50	99	14,182	0	0	11,091	0	0	0	0	0	0	50	25,273		Yes
03-Jun-2021	03-Jun-2021	1	50	99	14,281	0	0	11,091	0	0	0	0	0	0	50	25,372		Yes
04-Jun-2021	04-Jun-2021	1	50	99	14,380	0	0	11,091	0	0	0	0	0	0	50	25,471		Yes
05-Jun-2021	05-Jun-2021	1	50	99	14,479	0	0	11,091	0	0	0	0	0	0	50	25,570		Yes
06-Jun-2021	06-Jun-2021	1	50	99	14,579	0	0	11,091	0	0	0	0	0	0	50	25,670		Yes
07-Jun-2021	07-Jun-2021	1	50	99	14,678	0	0	11,091	0	0	0	0	0	0	50	25,769		Yes
08-Jun-2021	30-Jul-2021	23	2,281	16,959		0	0	11,091	0	0	0	0	0	0	50	28,060		Yes
01-Jul-2021	31-Jul-2021	31	50	3,074	20,033	0	0	11,091	0	0	0	0	0	0	50	31,124		Yes
01-Aug-2021	31-Aug-2021	31	50	3,074	23,107	0	0	11,091	0	0	0	0	0	0	50	34,198		Yes
01-Sep-2021	30-Sep-2021	30	50	2,975	26,083	0	0	11,091	0	0	0	0	0	0	50	37,174		Yes

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DATE		Number of DAYS	BASE FLOW <sup>1</sup>			PULSE FLOW <sup>1</sup>			INTERPOLATION FLOW			Other Adjusted Flow			TOTAL FERC FLOW		Agreed Upon
From:	To:		CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	ACCUM.	
01-Oct-2021	01-Oct-2021	1	100	198	26,281	0	0	11,091	0	0	0	0	0	0	100	37,372	Yes
02-Oct-2021	02-Oct-2021	1	100	198	26,479	0	0	11,091	0	0	0	0	0	0	100	37,570	Yes
03-Oct-2021	03-Oct-2021	1	100	198	26,678	0	0	11,091	0	0	0	0	0	0	100	37,769	Yes
04-Oct-2021	04-Oct-2021	1	100	198	26,876	0	0	11,091	0	0	0	0	0	0	100	37,967	Yes
05-Oct-2021	05-Oct-2021	1	100	198	27,074	0	0	11,091	0	0	0	0	0	0	100	38,165	Yes
06-Oct-2021	06-Oct-2021	1	100	198	27,273	0	0	11,091	0	0	0	0	0	0	100	38,364	Yes
07-Oct-2021	07-Oct-2021	1	100	198	27,471	0	0	11,091	0	0	0	0	0	0	100	38,562	Yes
08-Oct-2021	08-Oct-2021	1	100	198	27,669	0	0	11,091	0	0	0	0	0	0	100	38,760	Yes
09-Oct-2021	09-Oct-2021	1	100	198	27,868	0	0	11,091	0	0	0	0	0	0	100	38,959	Yes
10-Oct-2021	10-Oct-2021	1	100	198	28,066	0	0	11,091	0	0	0	0	0	0	100	39,157	Yes
11-Oct-2021	11-Oct-2021	1	100	198	28,264	0	0	11,091	0	0	0	0	0	0	100	39,355	Yes
12-Oct-2021	12-Oct-2021	1	100	198	28,463	0	0	11,091	0	0	0	0	0	0	100	39,554	Yes
13-Oct-2021	13-Oct-2021	1	100	198	28,661	0	0	11,091	0	0	0	0	0	0	100	39,752	Yes
14-Oct-2021	14-Oct-2021	1	100	198	28,860	0	0	11,091	0	0	0	0	0	0	100	39,951	Yes
15-Oct-2021	15-Oct-2021	1	100	198	29,058	0	0	11,091	0	0	0	0	0	0	100	40,149	Yes
16-Oct-2021	16-Oct-2021	1	100	198	29,255	0	0	11,091	0	0	0	0	0	0	100	40,346	Yes
17-Oct-2021	17-Oct-2021	1	100	198	29,453	0	0	11,091	0	0	0	0	0	0	100	40,544	Yes
18-Oct-2021	18-Oct-2021	1	100	198	29,650	0	0	11,091	0	0	0	0	0	0	100	40,741	Yes
19-Oct-2021	19-Oct-2021	1	100	198	29,848	0	0	11,091	0	0	0	0	0	0	100	40,939	Yes
20-Oct-2021	20-Oct-2021	1	100	198	30,045	0	0	11,091	0	0	0	0	0	0	100	41,136	Yes
21-Oct-2021	21-Oct-2021	1	100	198	30,243	0	0	11,091	0	0	0	0	0	0	100	41,334	Yes
22-Oct-2021	22-Oct-2021	1	100	198	30,440	0	0	11,091	0	0	0	0	0	0	100	41,531	Yes
23-Oct-2021	23-Oct-2021	1	100	198	31,440	0	0	11,091	0	0	0	0	0	0	100	42,529	Yes
24-Oct-2021	24-Oct-2021	1	100	198	31,736	0	0	11,091	0	0	0	0	0	0	100	42,827	Yes
25-Oct-2021	25-Oct-2021	1	100	198	32,033	0	0	11,091	0	0	0	0	0	0	100	43,124	Yes
26-Oct-2021	26-Oct-2021	1	100	198	32,331	0	0	11,091	0	0	0	0	0	0	100	43,422	Yes
27-Oct-2021	27-Oct-2021	1	100	198	32,628	0	0	11,091	0	0	0	0	0	0	100	43,719	Yes
28-Oct-2021	28-Oct-2021	1	100	198	32,926	0	0	11,091	0	0	0	0	0	0	100	44,017	Yes
29-Oct-2021	29-Oct-2021	1	100	198	33,223	0	0	11,091	0	0	0	0	0	0	100	44,314	Yes
30-Oct-2021	30-Oct-2021	1	100	198	33,521	0	0	11,091	0	0	0	0	0	0	100	44,612	Yes
31-Oct-2021	31-Oct-2021	1	100	198	33,818	0	0	11,091	0	0	0	0	0	0	100	44,909	Yes
01-Nov-2021	01-Nov-2021	1	150	298	34,116	0	0	11,091	0	0	0	0	0	0	150	45,207	Yes
02-Nov-2021	02-Nov-2021	1	150	298	34,413	0	0	11,091	0	0	0	0	0	0	150	45,504	Yes
03-Nov-2021	03-Nov-2021	1	150	298	34,711	0	0	11,091	0	0	0	0	0	0	150	45,802	Yes
04-Nov-2021	04-Nov-2021	1	150	298	35,008	0	0	11,091	0	0	0	0	0	0	150	46,099	Yes
05-Nov-2021	05-Nov-2021	1	150	298	35,306	0	0	11,091	0	0	0	0	0	0	150	46,397	Yes
06-Nov-2021	06-Nov-2021	1	150	298	35,603	0	0	11,091	0	0	0	0	0	0	150	46,694	Yes
07-Nov-2021	07-Nov-2021	1	150	298	35,901	0	0	11,091	0	0	0	0	0	0	150	46,992	Yes
08-Nov-2021	08-Nov-2021	1	150	298	36,198	0	0	11,091	0	0	0	0	0	0	150	47,289	Yes
09-Nov-2021	09-Nov-2021	1	150	298	36,496	0	0	11,091	0	0	0	0	0	0	150	47,587	Yes
10-Nov-2021	10-Nov-2021	1	150	298	36,793	0	0	11,091	0	0	0	0	0	0	150	47,884	Yes
11-Nov-2021	11-Nov-2021	1	150	298	37,091	0	0	11,091	0	0	0	0	0	0	150	48,182	Yes
12-Nov-2021	12-Nov-2021	1	150	298	37,388	0	0	11,091	0	0	0	0	0	0	150	48,479	Yes
13-Nov-2021	13-Nov-2021	1	150	298	37,686	0	0	11,091	0	0	0	0	0	0	150	48,777	Yes
14-Nov-2021	14-Nov-2021	1	150	298	37,983	0	0	11,091	0	0	0	0	0	0	150	49,074	Yes
15-Nov-2021	15-Nov-2021	1	150	298	38,281	0	0	11,091	0	0	0	0	0	0	150	49,372	Yes
16-Nov-2021	16-Nov-2021	1	150	298	38,579	0	0	11,091	0	0	0	0	0	0	150	49,670	Yes
17-Nov-2021	17-Nov-2021	1	150	298	38,876	0	0	11,091	0	0	0	0	0	0	150	49,967	Yes
18-Nov-2021	18-Nov-2021	1	150	298	39,174	0	0	11,091	0	0	0	0	0	0	150	50,265	Yes
19-Nov-2021	19-Nov-2021	1	150	298	39,471	0	0	11,091	0	0	0	0	0	0	150	50,562	Yes
20-Nov-2021	20-Nov-2021	1	150	298	39,769	0	0	11,091	0	0	0	0	0	0	150	50,860	Yes
21-Nov-2021	21-Nov-2021	1	150	298	40,066	0	0	11,091	0	0	0	0	0	0	150	51,157	Yes
22-Nov-2021	22-Nov-2021	1	150	298	40,364	0	0	11,091	0	0	0	0	0	0	150	51,455	Yes
23-Nov-2021	23-Nov-2021	1	150	298	40,661	0	0	11,091	0	0	0	0	0	0	150	51,752	Yes
24-Nov-2021	24-Nov-2021	1	150	298	40,959	0	0	11,091	0	0	0	0	0	0	150	52,050	Yes
25-Nov-2021	25-Nov-2021	1	150	298	41,256	0	0	11,091	0	0	0	0	0	0	150	52,347	Yes
26-Nov-2021	26-Nov-2021	1	150	298	41,554	0	0	11,091	0	0	0	0	0	0	150	52,645	Yes
27-Nov-2021	27-Nov-2021	1	150	298	41,851	0	0	11,091	0	0	0	0	0	0	150	52,942	Yes

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From:	To:		CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	ACCUM. <sup>1</sup>	
28-Nov-2021	28-Nov-2021	1	150	298	42,149	0	0	11,091	0	0	0	0	0	0	150	53,240	Yes
29-Nov-2021	29-Nov-2021	1	150	298	42,446	0	0	11,091	0	0	0	0	0	0	150	53,537	Yes
30-Nov-2021	30-Nov-2021	1	150	298	42,744	0	0	11,091	0	0	0	0	0	0	150	53,835	Yes
01-Dec-2021	01-Dec-2021	1	150	298	43,041	0	0	11,091	0	0	0	0	0	0	150	54,132	Yes
02-Dec-2021	02-Dec-2021	1	150	298	43,339	0	0	11,091	0	0	0	0	0	0	150	54,430	Yes
03-Dec-2021	03-Dec-2021	1	150	298	43,636	0	0	11,091	0	0	0	0	0	0	150	54,727	Yes
04-Dec-2021	04-Dec-2021	1	150	298	43,934	0	0	11,091	0	0	0	0	0	0	150	55,025	Yes
05-Dec-2021	05-Dec-2021	1	150	298	44,231	0	0	11,091	0	0	0	0	0	0	150	55,322	Yes
06-Dec-2021	06-Dec-2021	1	150	298	44,529	0	0	11,091	0	0	0	0	0	0	150	55,620	Yes
07-Dec-2021	07-Dec-2021	1	150	298	44,826	0	0	11,091	0	0	0	0	0	0	150	55,917	Yes
08-Dec-2021	08-Dec-2021	1	150	298	45,124	0	0	11,091	0	0	0	0	0	0	150	56,215	Yes
09-Dec-2021	09-Dec-2021	1	150	298	45,421	0	0	11,091	0	0	0	0	0	0	150	56,512	Yes
10-Dec-2021	10-Dec-2021	1	150	298	45,719	0	0	11,091	0	0	0	0	0	0	150	56,810	Yes
11-Dec-2021	11-Dec-2021	1	150	298	46,017	0	0	11,091	0	0	0	0	0	0	150	57,108	Yes
12-Dec-2021	12-Dec-2021	1	150	298	46,314	0	0	11,091	0	0	0	0	0	0	150	57,405	Yes
13-Dec-2021	13-Dec-2021	1	150	298	46,612	0	0	11,091	0	0	0	0	0	0	150	57,703	Yes
14-Dec-2021	14-Dec-2021	1	150	298	46,909	0	0	11,091	0	0	0	0	0	0	150	58,000	Yes
15-Dec-2021	15-Dec-2021	1	150	298	47,207	0	0	11,091	0	0	0	0	0	0	150	58,298	Yes
16-Dec-2021	16-Dec-2021	1	150	298	47,504	0	0	11,091	0	0	0	0	0	0	150	58,595	Yes
17-Dec-2021	17-Dec-2021	1	150	298	47,802	0	0	11,091	0	0	0	0	0	0	150	58,893	Yes
18-Dec-2021	18-Dec-2021	1	150	298	48,099	0	0	11,091	0	0	0	0	0	0	150	59,190	Yes
19-Dec-2021	19-Dec-2021	1	150	298	48,397	0	0	11,091	0	0	0	0	0	0	150	59,488	Yes
20-Dec-2021	20-Dec-2021	1	150	298	48,694	0	0	11,091	0	0	0	0	0	0	150	59,785	Yes
21-Dec-2021	21-Dec-2021	1	150	298	48,992	0	0	11,091	0	0	0	0	0	0	150	60,083	Yes
22-Dec-2021	22-Dec-2021	1	150	298	49,289	0	0	11,091	0	0	0	0	0	0	150	60,380	Yes
23-Dec-2021	23-Dec-2021	1	150	298	49,587	0	0	11,091	0	0	0	0	0	0	150	60,678	Yes
24-Dec-2021	24-Dec-2021	1	150	298	49,884	0	0	11,091	0	0	0	0	0	0	150	60,975	Yes
25-Dec-2021	25-Dec-2021	1	150	298	50,182	0	0	11,091	0	0	0	0	0	0	150	61,273	Yes
26-Dec-2021	26-Dec-2021	1	150	298	50,479	0	0	11,091	0	0	0	0	0	0	150	61,570	Yes
27-Dec-2021	27-Dec-2021	1	150	298	50,777	0	0	11,091	0	0	0	0	0	0	150	61,868	Yes
28-Dec-2021	28-Dec-2021	1	150	298	51,074	0	0	11,091	0	0	0	0	0	0	150	62,165	Yes
29-Dec-2021	29-Dec-2021	1	150	298	51,372	0	0	11,091	0	0	0	0	0	0	150	62,463	Yes
30-Dec-2021	30-Dec-2021	1	150	298	51,669	0	0	11,091	0	0	0	0	0	0	150	62,760	Yes
31-Dec-2021	31-Dec-2021	1	150	298	51,967	0	0	11,091	0	0	0	0	0	0	150	63,058	Yes
01-Jan-2022	01-Jan-2022	1	150	298	52,264	0	0	11,091	0	0	0	0	0	0	150	63,355	Yes
02-Jan-2022	02-Jan-2022	1	150	298	52,562	0	0	11,091	0	0	0	0	0	0	150	63,653	Yes
03-Jan-2022	03-Jan-2022	1	150	298	52,860	0	0	11,091	0	0	0	0	0	0	150	63,951	Yes
04-Jan-2022	04-Jan-2022	1	150	298	53,157	0	0	11,091	0	0	0	0	0	0	150	64,248	Yes
05-Jan-2022	05-Jan-2022	1	150	298	53,455	0	0	11,091	0	0	0	0	0	0	150	64,546	Yes
06-Jan-2022	06-Jan-2022	1	150	298	53,752	0	0	11,091	0	0	0	0	0	0	150	64,843	Yes
07-Jan-2022	07-Jan-2022	1	150	298	54,050	0	0	11,091	0	0	0	0	0	0	150	65,141	Yes
08-Jan-2022	08-Jan-2022	1	150	298	54,347	0	0	11,091	0	0	0	0	0	0	150	65,438	Yes
09-Jan-2022	09-Jan-2022	1	150	298	54,645	0	0	11,091	0	0	0	0	0	0	150	65,736	Yes
10-Jan-2022	10-Jan-2022	1	150	298	54,942	0	0	11,091	0	0	0	0	0	0	150	66,033	Yes
11-Jan-2022	11-Jan-2022	1	150	298	55,240	0	0	11,091	0	0	0	0	0	0	150	66,331	Yes
12-Jan-2022	12-Jan-2022	1	150	298	55,537	0	0	11,091	0	0	0	0	0	0	150	66,628	Yes
13-Jan-2022	13-Jan-2022	1	150	298	55,835	0	0	11,091	0	0	0	0	0	0	150	66,926	Yes
14-Jan-2022	14-Jan-2022	1	150	298	56,132	0	0	11,091	0	0	0	0	0	0	150	67,223	Yes
15-Jan-2022	15-Jan-2022	1	150	298	56,430	0	0	11,091	0	0	0	0	0	0	150	67,521	Yes
16-Jan-2022	16-Jan-2022	1	150	298	56,727	0	0	11,091	0	0	0	0	0	0	150	67,818	Yes
17-Jan-2022	17-Jan-2022	1	150	298	57,025	0	0	11,091	0	0	0	0	0	0	150	68,116	Yes
18-Jan-2022	18-Jan-2022	1	150	298	57,322	0	0	11,091	0	0	0	0	0	0	150	68,413	Yes
19-Jan-2022	19-Jan-2022	1	150	298	57,620	0	0	11,091	0	0	0	0	0	0	150	68,711	Yes
20-Jan-2022	20-Jan-2022	1	150	298	57,917	0	0	11,091	0	0	0	0	0	0	150	69,008	Yes
21-Jan-2022	21-Jan-2022	1	150	298	58,215	0	0	11,091	0	0	0	0	0	0	150	69,306	Yes
22-Jan-2022	22-Jan-2022	1	150	298	58,512	0	0	11,091	0	0	0	0	0	0	150	69,603	Yes
23-Jan-2022	23-Jan-2022	1	150	298	58,810	0	0	11,091	0	0	0	0	0	0	150	69,901	Yes
24-Jan-2022	24-Jan-2022	1	150	298	59,107	0	0	11,091	0	0	0	0	0	0	150	70,198	Yes

Table 2

Tuolumne River Flow Schedule  
Based on DWR Values, 60-20-20 Index for 2021, Hydrologic Conditions  
Schedule For 2021-2022 Fish Flow Year

DATE		Number of DAYS	BASE FLOW <sup>1</sup>			PULSE FLOW <sup>1</sup>			INTERPOLATION FLOW			Other Adjusted Flow			TOTAL FERC FLOW		Agreed Upon
From:	To:		CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	AF	ACCUM.	CFS	ACCUM. <sup>1</sup>	
25-Jan-2022	25-Jan-2022	1	150	298	59,406	0	0	11,091	0	0	0	0	0	0	150	70,496	Yes
26-Jan-2022	26-Jan-2022	1	150	298	59,702	0	0	11,091	0	0	0	0	0	0	150	70,793	Yes
27-Jan-2022	27-Jan-2022	1	150	298	60,000	0	0	11,091	0	0	0	0	0	0	150	71,091	Yes
28-Jan-2022	28-Jan-2022	1	150	298	60,298	0	0	11,091	0	0	0	0	0	0	150	71,389	Yes
29-Jan-2022	29-Jan-2022	1	150	298	60,595	0	0	11,091	0	0	0	0	0	0	150	71,686	Yes
30-Jan-2022	30-Jan-2022	1	150	298	60,893	0	0	11,091	0	0	0	0	0	0	150	71,984	Yes
31-Jan-2022	31-Jan-2022	1	150	298	61,190	0	0	11,091	0	0	0	0	0	0	150	72,281	Yes
01-Feb-2022	01-Feb-2022	1	150	298	61,488	0	0	11,091	0	0	0	0	0	0	150	72,579	Yes
02-Feb-2022	02-Feb-2022	1	150	298	61,785	0	0	11,091	0	0	0	0	0	0	150	72,876	Yes
03-Feb-2022	03-Feb-2022	1	150	298	62,083	0	0	11,091	0	0	0	0	0	0	150	73,174	Yes
04-Feb-2022	04-Feb-2022	1	150	298	62,380	0	0	11,091	0	0	0	0	0	0	150	73,471	Yes
05-Feb-2022	05-Feb-2022	1	150	298	62,678	0	0	11,091	0	0	0	0	0	0	150	73,769	Yes
06-Feb-2022	06-Feb-2022	1	150	298	62,975	0	0	11,091	0	0	0	0	0	0	150	74,066	Yes
07-Feb-2022	07-Feb-2022	1	150	298	63,273	0	0	11,091	0	0	0	0	0	0	150	74,364	Yes
08-Feb-2022	08-Feb-2022	1	150	298	63,570	0	0	11,091	0	0	0	0	0	0	150	74,661	Yes
09-Feb-2022	09-Feb-2022	1	150	298	63,868	0	0	11,091	0	0	0	0	0	0	150	74,959	Yes
10-Feb-2022	10-Feb-2022	1	150	298	64,165	0	0	11,091	0	0	0	0	0	0	150	75,256	Yes
11-Feb-2022	11-Feb-2022	1	150	298	64,463	0	0	11,091	0	0	0	0	0	0	150	75,554	Yes
12-Feb-2022	12-Feb-2022	1	150	298	64,760	0	0	11,091	0	0	0	0	0	0	150	75,851	Yes
13-Feb-2022	13-Feb-2022	1	150	298	65,058	0	0	11,091	0	0	0	0	0	0	150	76,149	Yes
14-Feb-2022	14-Feb-2022	1	150	298	65,355	0	0	11,091	0	0	0	0	0	0	150	76,446	Yes
15-Feb-2022	15-Feb-2022	1	150	298	65,653	0	0	11,091	0	0	0	0	0	0	150	76,744	Yes
16-Feb-2022	16-Feb-2022	1	150	298	65,950	0	0	11,091	0	0	0	0	0	0	150	77,041	Yes
17-Feb-2022	17-Feb-2022	1	150	298	66,248	0	0	11,091	0	0	0	0	0	0	150	77,339	Yes
18-Feb-2022	18-Feb-2022	1	150	298	66,545	0	0	11,091	0	0	0	0	0	0	150	77,636	Yes
19-Feb-2022	19-Feb-2022	1	150	298	66,843	0	0	11,091	0	0	0	0	0	0	150	77,934	Yes
20-Feb-2022	20-Feb-2022	1	150	298	67,140	0	0	11,091	0	0	0	0	0	0	150	78,231	Yes
21-Feb-2022	21-Feb-2022	1	150	298	67,438	0	0	11,091	0	0	0	0	0	0	150	78,527	Yes
22-Feb-2022	22-Feb-2022	1	150	298	67,736	0	0	11,091	0	0	0	0	0	0	150	78,827	Yes
23-Feb-2022	23-Feb-2022	1	150	298	68,033	0	0	11,091	0	0	0	0	0	0	150	79,124	Yes
24-Feb-2022	24-Feb-2022	1	150	298	68,331	0	0	11,091	0	0	0	0	0	0	150	79,422	Yes
25-Feb-2022	25-Feb-2022	1	150	298	68,628	0	0	11,091	0	0	0	0	0	0	150	79,719	Yes
26-Feb-2022	26-Feb-2022	1	150	298	68,926	0	0	11,091	0	0	0	0	0	0	150	80,017	Yes
27-Feb-2022	27-Feb-2022	1	150	298	69,223	0	0	11,091	0	0	0	0	0	0	150	80,314	Yes
28-Feb-2022	28-Feb-2022	1	150	298	69,521	0	0	11,091	0	0	0	0	0	0	150	80,612	Yes
01-Mar-2022	01-Mar-2022	1	150	298	69,818	0	0	11,091	0	0	0	0	0	0	150	80,909	Yes
02-Mar-2022	02-Mar-2022	1	150	298	70,116	0	0	11,091	0	0	0	0	0	0	150	81,207	Yes
03-Mar-2022	03-Mar-2022	1	150	298	70,413	0	0	11,091	0	0	0	0	0	0	150	81,504	Yes
04-Mar-2022	04-Mar-2022	1	150	298	70,711	0	0	11,091	0	0	0	0	0	0	150	81,802	Yes
05-Mar-2022	05-Mar-2022	1	150	298	71,008	0	0	11,091	0	0	0	0	0	0	150	82,099	Yes
06-Mar-2022	06-Mar-2022	1	150	298	71,306	0	0	11,091	0	0	0	0	0	0	150	82,397	Yes
07-Mar-2022	07-Mar-2022	1	150	298	71,603	0	0	11,091	0	0	0	0	0	0	150	82,694	Yes
08-Mar-2022	08-Mar-2022	1	150	298	71,901	0	0	11,091	0	0	0	0	0	0	150	82,992	Yes
09-Mar-2022	09-Mar-2022	1	150	298	72,198	0	0	11,091	0	0	0	0	0	0	150	83,289	Yes
10-Mar-2022	10-Mar-2022	1	150	298	72,496	0	0	11,091	0	0	0	0	0	0	150	83,587	Yes
11-Mar-2022	11-Mar-2022	1	150	298	72,793	0	0	11,091	0	0	0	0	0	0	150	83,884	Yes
12-Mar-2022	12-Mar-2022	1	150	298	73,091	0	0	11,091	0	0	0	0	0	0	150	84,182	Yes
13-Mar-2022	13-Mar-2022	1	150	298	73,388	0	0	11,091	0	0	0	0	0	0	150	84,479	Yes
14-Mar-2022	14-Mar-2022	1	150	298	73,686	0	0	11,091	0	0	0	0	0	0	150	84,777	Yes
15-Mar-2022	15-Mar-2022	1	150	298	73,983	0	0	11,091	0	0	0	0	0	0	150	85,074	Yes
16-Mar-2022	16-Mar-2022	1	150	298	74,281	0	0	11,091	0	0	0	0	0	0	150	85,372	Yes
17-Mar-2022	17-Mar-2022	1	150	298	74,579	0	0	11,091	0	0	0	0	0	0	150	85,670	Yes
18-Mar-2022	18-Mar-2022	1	150	298	74,876	0	0	11,091	0	0	0	0	0	0	150	85,967	Yes
19-Mar-2022	19-Mar-2022	1	150	298	75,174	0	0	11,091	0	0	0	0	0	0	150	86,265	Yes
20-Mar-2022	20-Mar-2022	1	150	298	75,471	0	0	11,091	0	0	0	0	0	0	150	86,562	Yes
21-Mar-2022	21-Mar-2022	1	150	298	75,769	0	0	11,091	0	0	0	0	0	0	150	86,860	Yes
22-Mar-2022	22-Mar-2022	1	150	298	76,066	0	0	11,091	0	0	0	0	0	0	150	87,157	Yes
23-Mar-2022	23-Mar-2022	1	150	298	76,364	0	0	11,091	0	0	0	0	0	0	150	87,455	Yes



Tuolumne River Flow Schedule  
Table 2  
Based on DWR Values, 60-20-20 Index for 2021, Hydrologic Conditions  
Schedule For 2021-2022 Fish Flow Year

DATE	From: To:	Number of DAYS	BASE FLOW <sup>1</sup>			PULSE FLOW <sup>2</sup>			INTERPOLATION FLOW			Other Adjusted Flow			TOTAL FERC FLOW		Agreed Upon
			CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	ACCUM. A.F.	
24-Mar-2022	24-Mar-2022	1	150	298	76,661	0	0	11,091	0	0	0	0	0	0	150	87,752	Yes
25-Mar-2022	25-Mar-2022	1	150	298	76,959	0	0	11,091	0	0	0	0	0	0	150	88,050	Yes
26-Mar-2022	26-Mar-2022	1	150	298	77,256	0	0	11,091	0	0	0	0	0	0	150	88,347	Yes
27-Mar-2022	27-Mar-2022	1	150	298	77,554	0	0	11,091	0	0	0	0	0	0	150	88,645	Yes
28-Mar-2022	28-Mar-2022	1	150	298	77,851	0	0	11,091	0	0	0	0	0	0	150	88,942	Yes
29-Mar-2022	29-Mar-2022	1	150	298	78,149	0	0	11,091	0	0	0	0	0	0	150	89,240	Yes
30-Mar-2022	30-Mar-2022	1	150	298	78,446	0	0	11,091	0	0	0	0	0	0	150	89,537	Yes
31-Mar-2022	31-Mar-2022	1	150	298	78,744	0	0	11,091	0	0	0	0	0	0	150	89,835	Yes
01-Apr-2022	01-Apr-2022	1	150	298	79,041	0	0	11,091	0	0	0	0	0	0	150	90,132	Yes
02-Apr-2022	02-Apr-2022	1	150	298	79,339	0	0	11,091	0	0	0	0	0	0	150	90,430	Yes
03-Apr-2022	03-Apr-2022	1	150	298	79,636	0	0	11,091	0	0	0	0	0	0	150	90,727	Yes
04-Apr-2022	04-Apr-2022	1	150	298	79,934	0	0	11,091	0	0	0	0	0	0	150	91,025	Yes
05-Apr-2022	05-Apr-2022	1	150	298	80,231	0	0	11,091	0	0	0	0	0	0	150	91,322	Yes
06-Apr-2022	06-Apr-2022	1	150	298	80,529	0	0	11,091	0	0	0	0	0	0	150	91,620	Yes
07-Apr-2022	07-Apr-2022	1	150	298	80,826	0	0	11,091	0	0	0	0	0	0	150	91,917	Yes
08-Apr-2022	08-Apr-2022	1	150	298	81,124	0	0	11,091	0	0	0	0	0	0	150	92,215	Yes
09-Apr-2022	09-Apr-2022	1	150	298	81,421	0	0	11,091	0	0	0	0	0	0	150	92,512	Yes
10-Apr-2022	10-Apr-2022	1	150	298	81,719	0	0	11,091	0	0	0	0	0	0	150	92,810	Yes
11-Apr-2022	11-Apr-2022	1	150	298	82,017	0	0	11,091	0	0	0	0	0	0	150	93,108	Yes
12-Apr-2022	12-Apr-2022	1	150	298	82,314	0	0	11,091	0	0	0	0	0	0	150	93,405	Yes
13-Apr-2022	13-Apr-2022	1	150	298	82,612	0	0	11,091	0	0	0	0	0	0	150	93,703	Yes
14-Apr-2022	14-Apr-2022	1	150	298	82,909	0	0	11,091	0	0	0	0	0	0	150	94,000	Yes
No. of days		365															

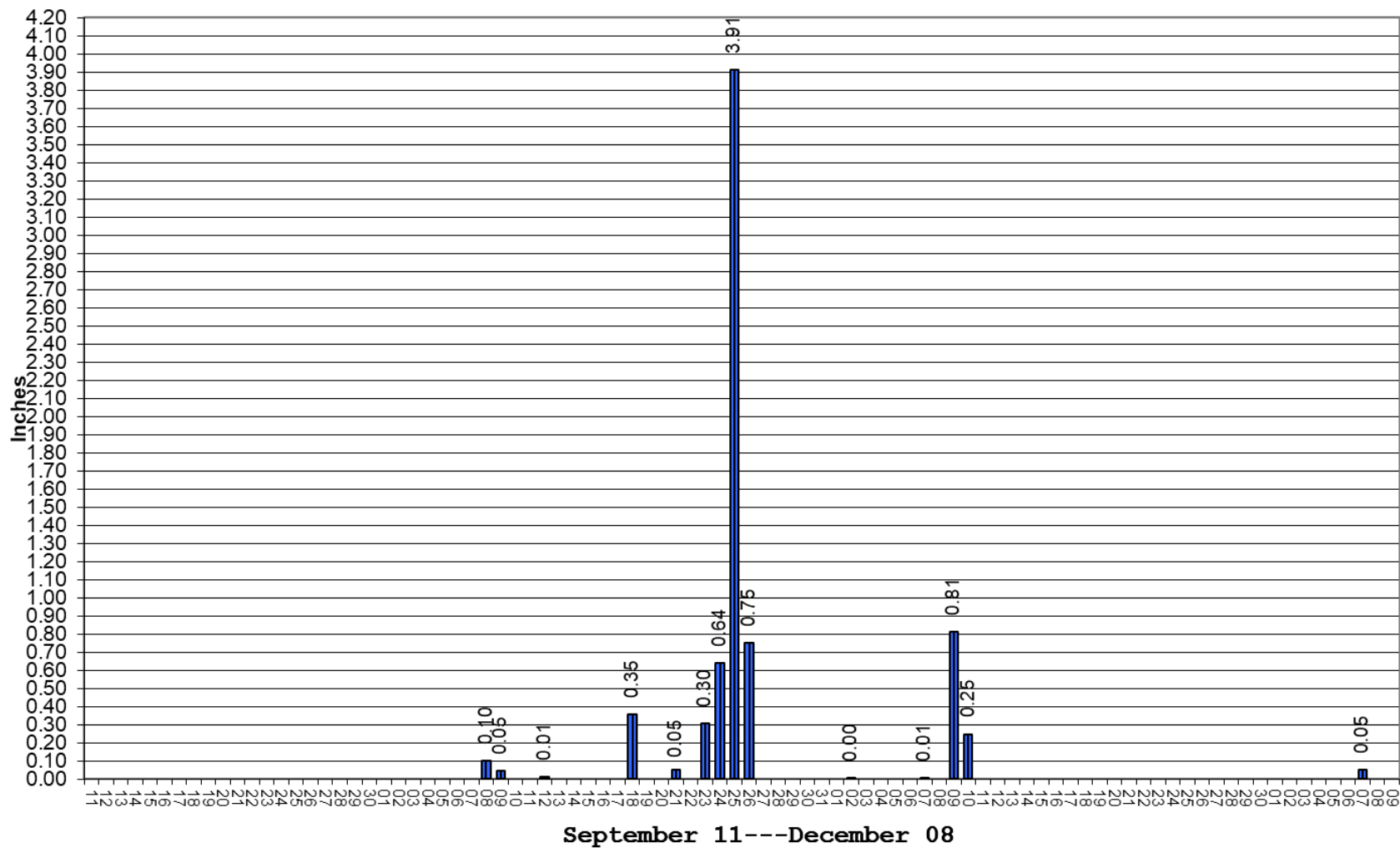
139406.2923

1 cfs day = 1,98471 acre-feet (af)

1. Total accumulation amount pertains to 2020-2021 Fish Year only.
2. The pulse flows are a target that represents a daily average target. The actual operational data will be adjusted to attain the annual requirement.
3. Water that was to be released for the base flow for the 10/1-10/6 period is moved to the 10/16 and 10/17 period.
4. Based on an hourly calculation schedule for the target flows. This represents a daily average.

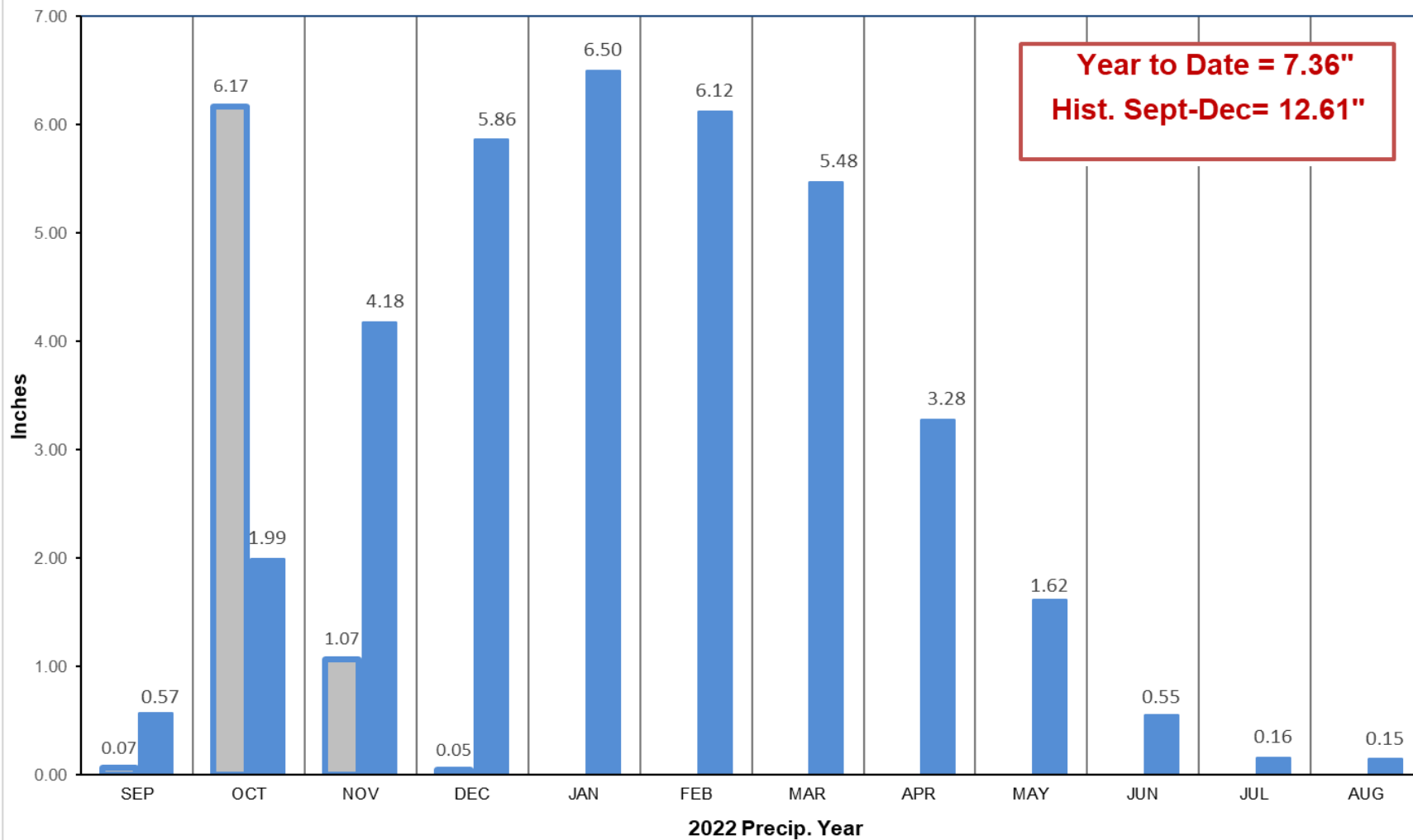
Case	60-20-20 Index	Base Total	Pulse Total	Interpolation Total	Adjustment Total	FERC Total
90%	1,351,183	82,909	11,091	-	-	94,000
	Scheduled Above	82,909	11,091	-	-	94,000
	Difference	(0)	-	-	-	(0)

# Watershed Daily Precipitation

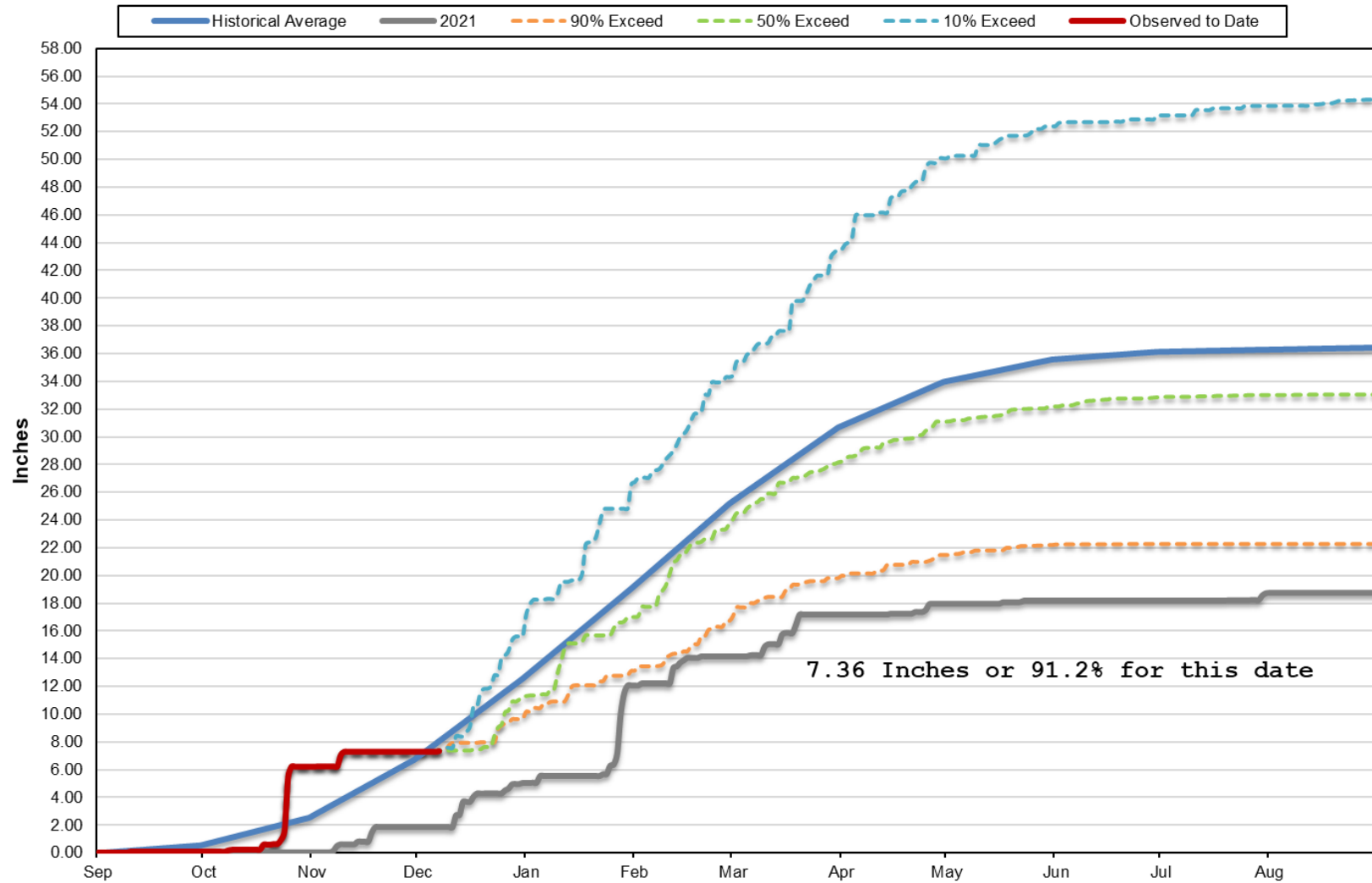


## Tuolumne River Watershed Monthly Accumulation of Precipitation

2021-2022 AVERAGE

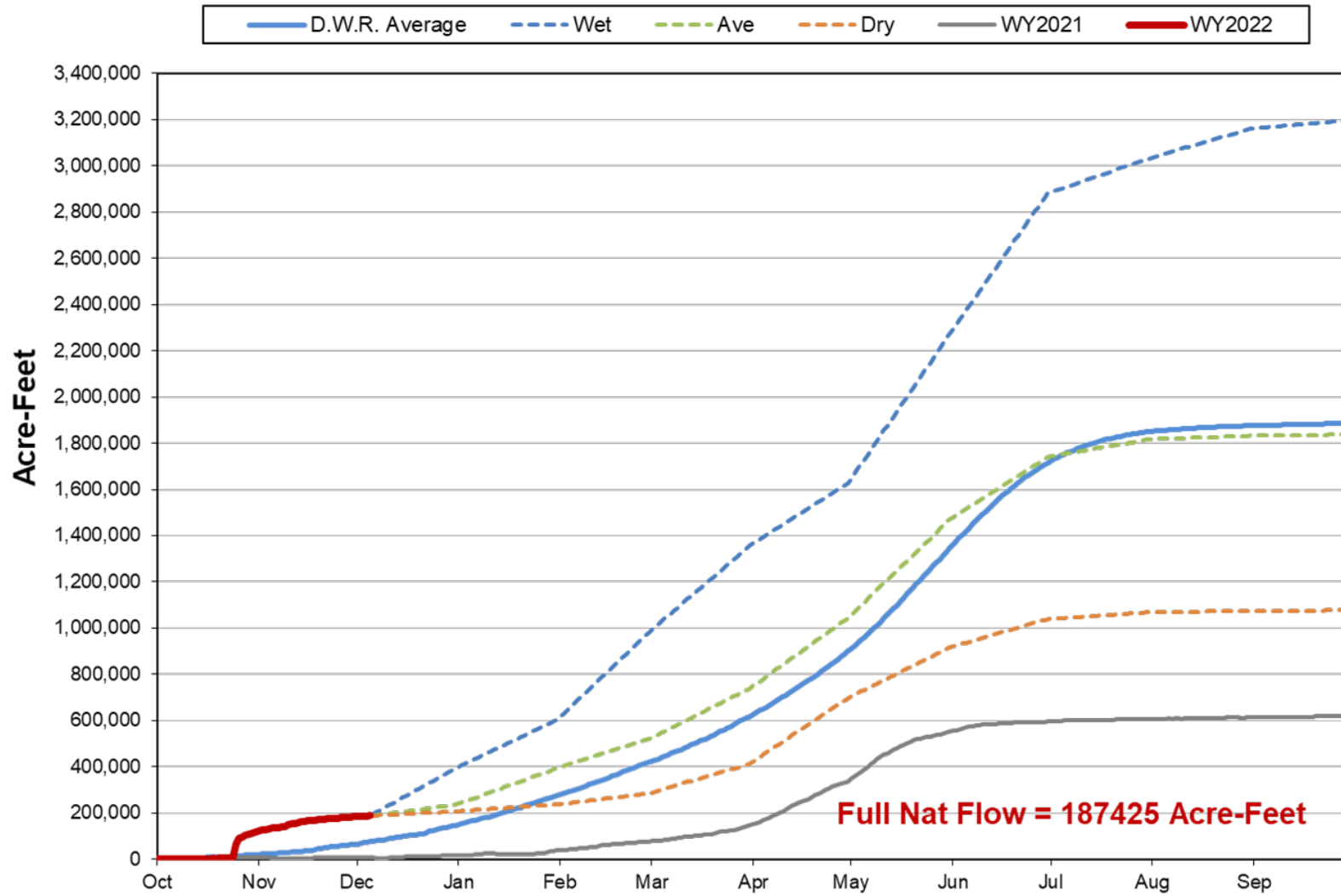


## Tuolumne River Watershed Accumulated Precipitation



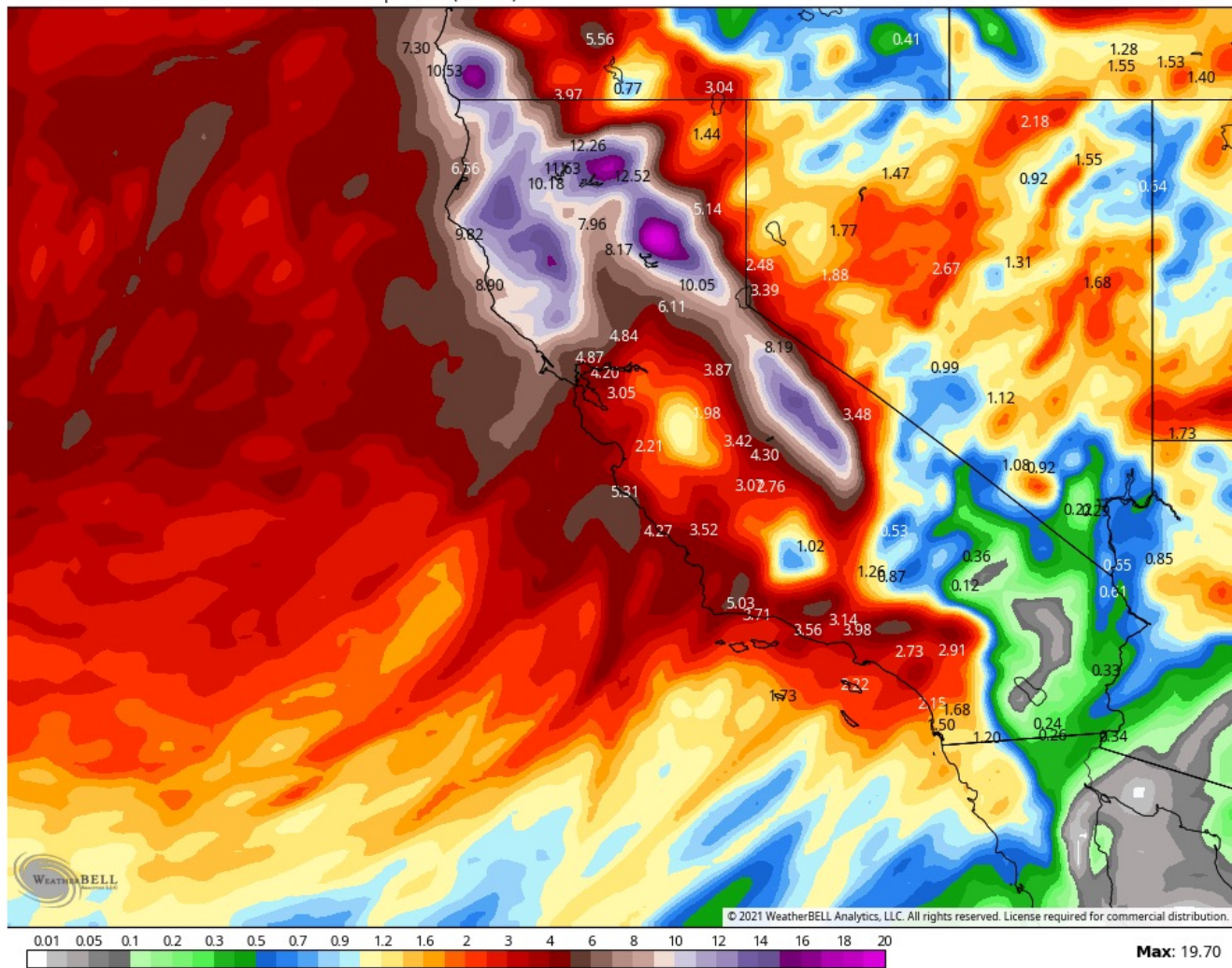


## Accumulated Full Natural Flow



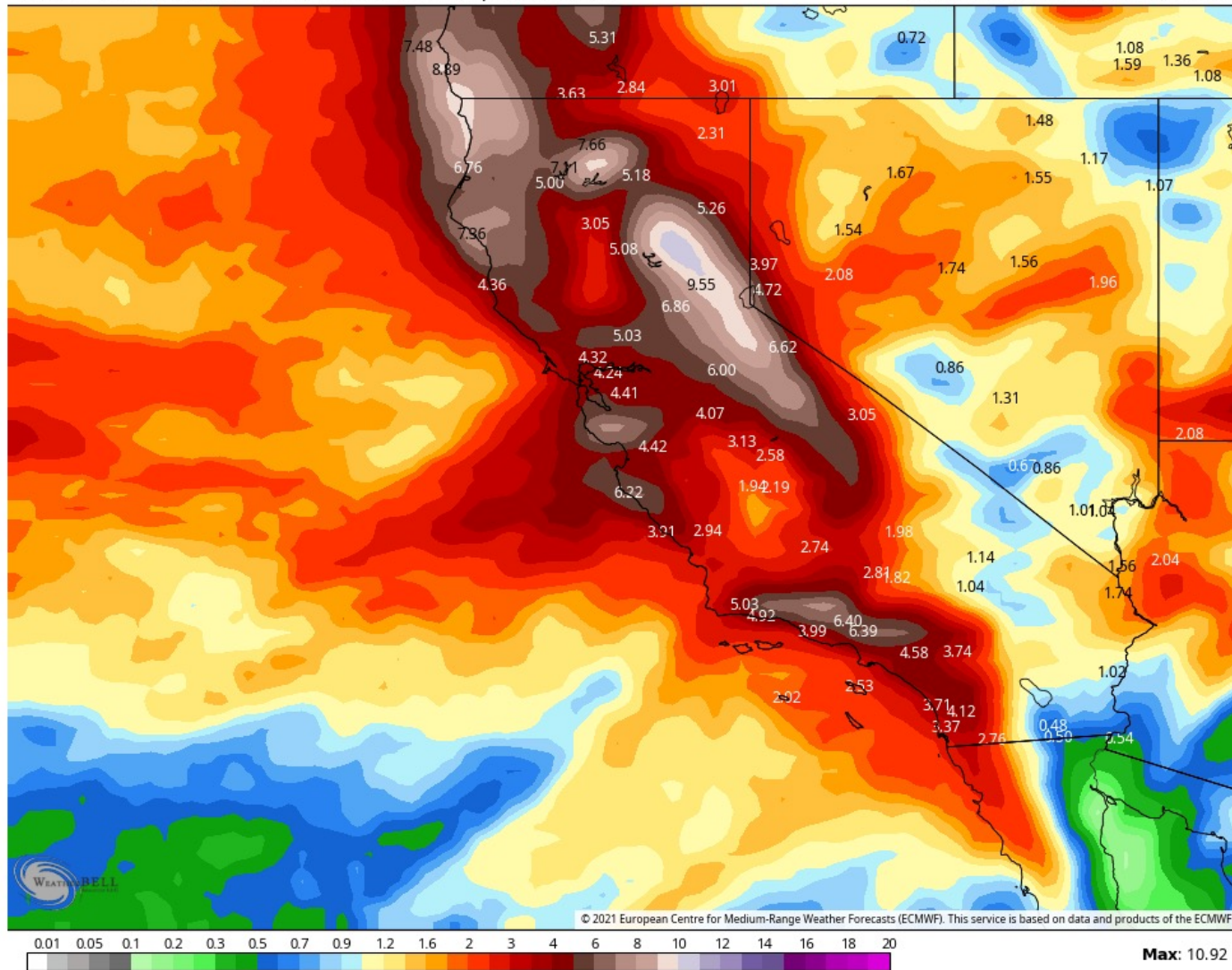
GFS 0.12° Init 06z 9 Dec 2021 • Total Precipitation (Inches)

Hour: 384 • Valid: 06z Sat 25 Dec 2021

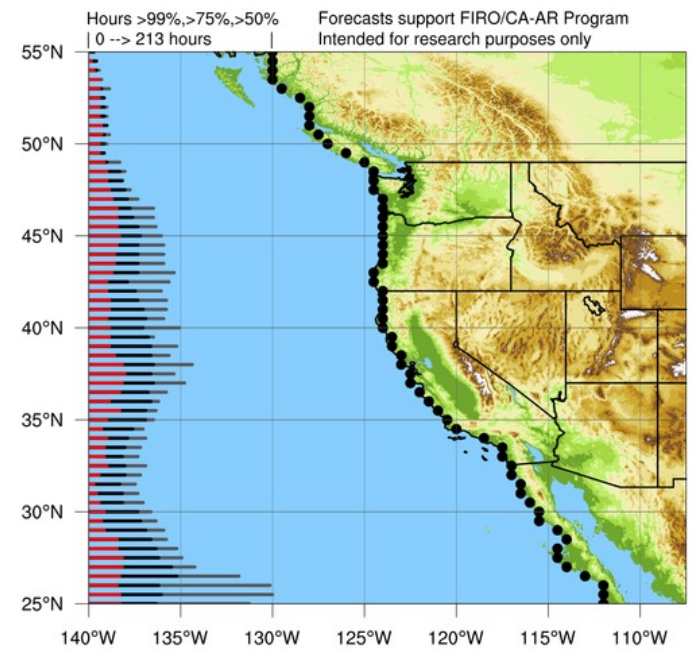
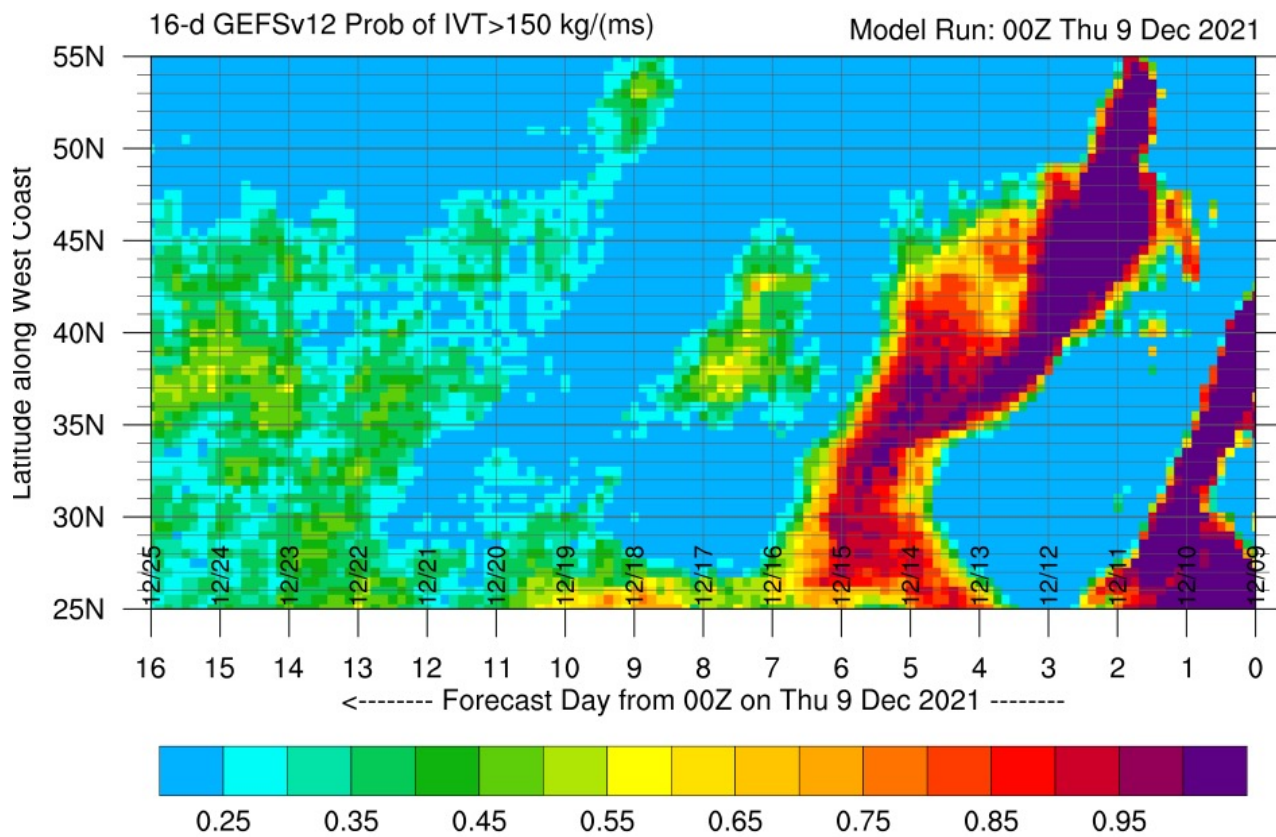


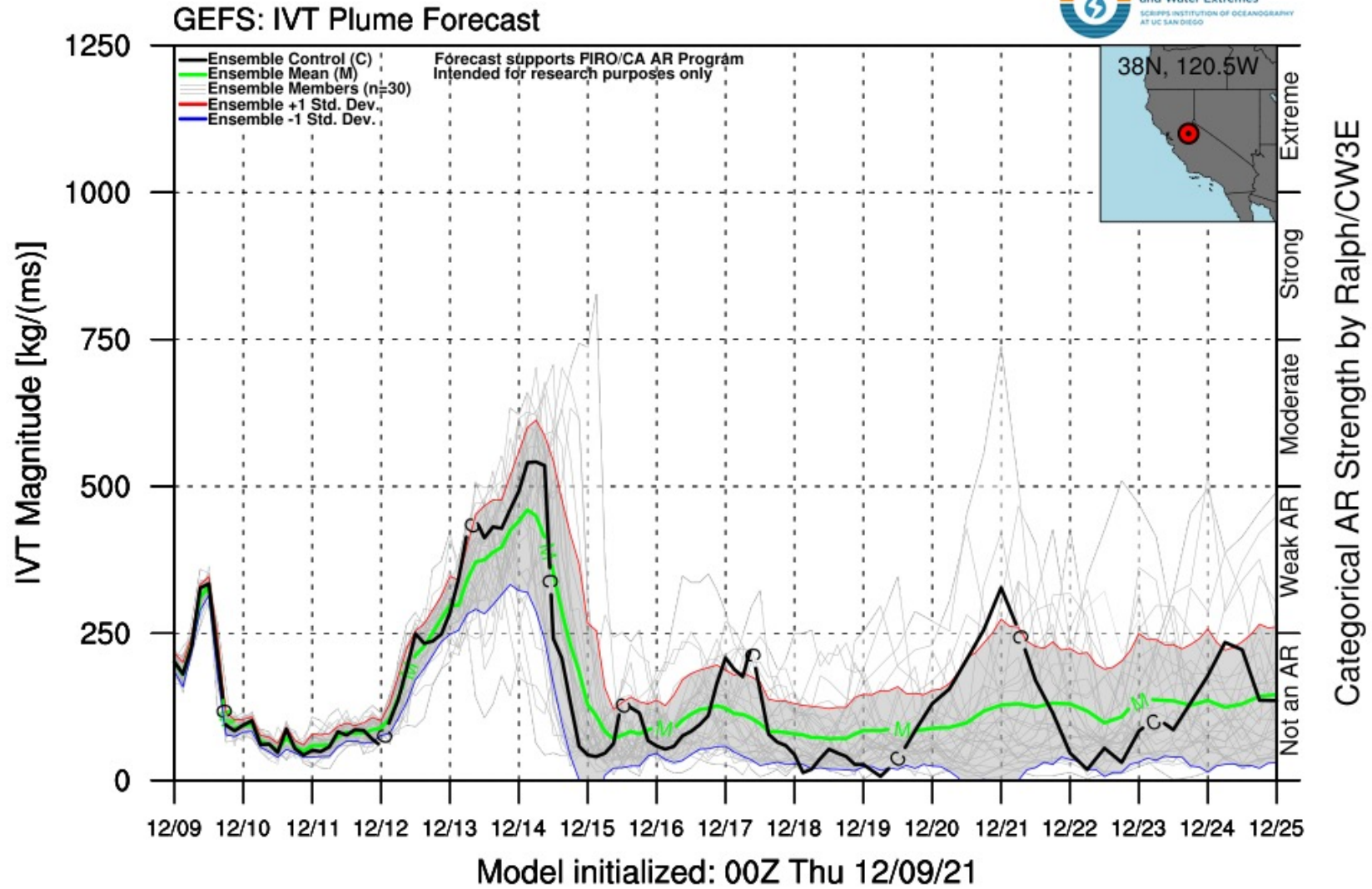
ECMWF Ens [C] 0.2° Init 00z 9 Dec 2021 • Total Precipitation (Inches)

Hour: 360 • Valid: 00z Fri 24 Dec 2021



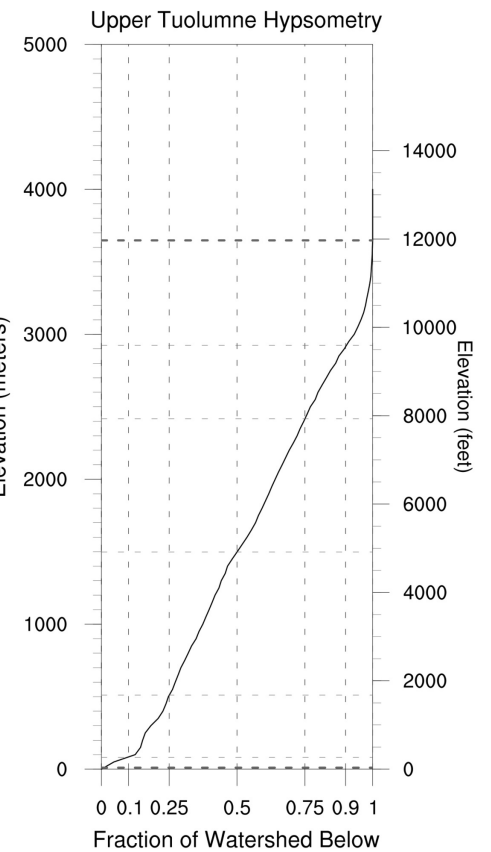
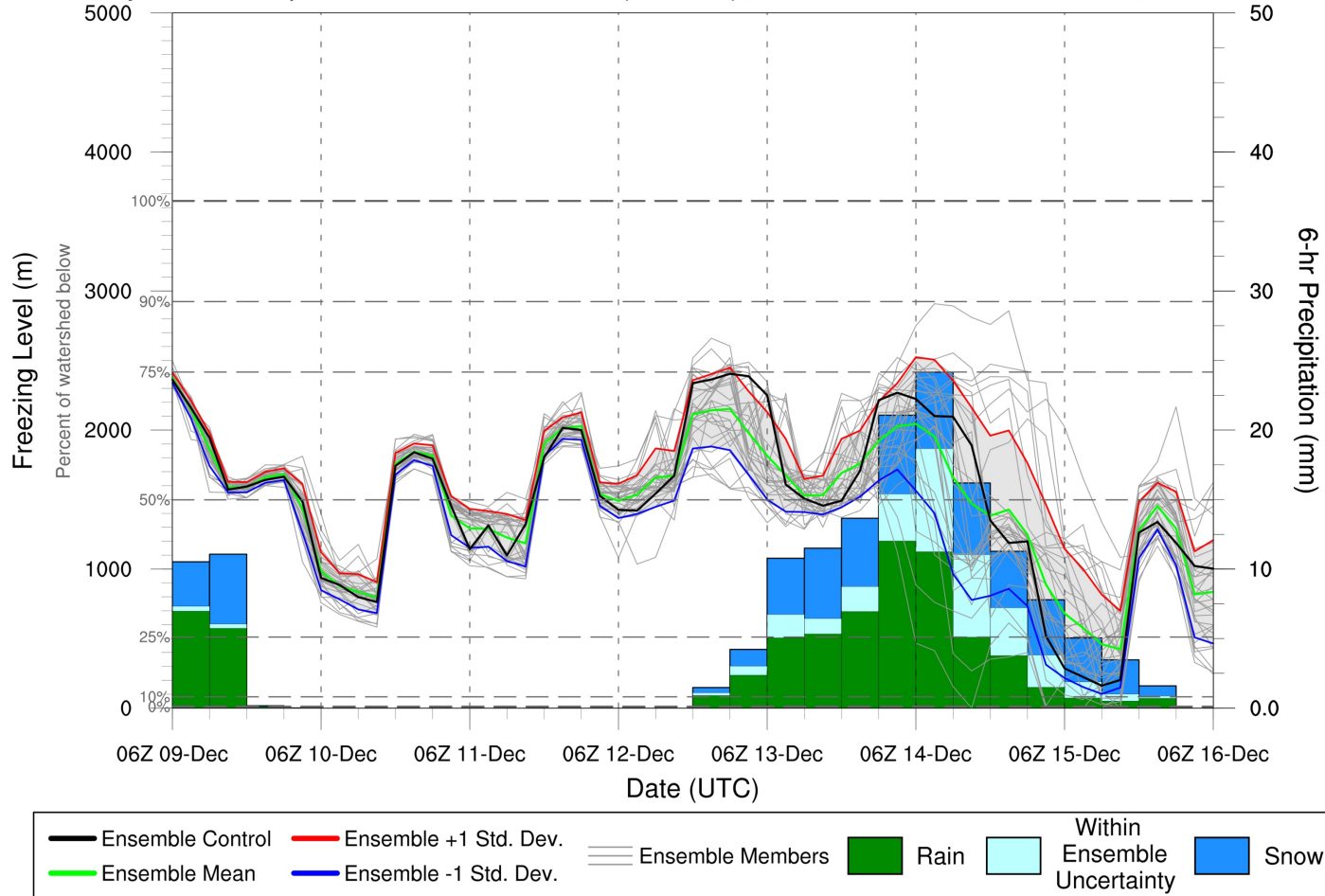




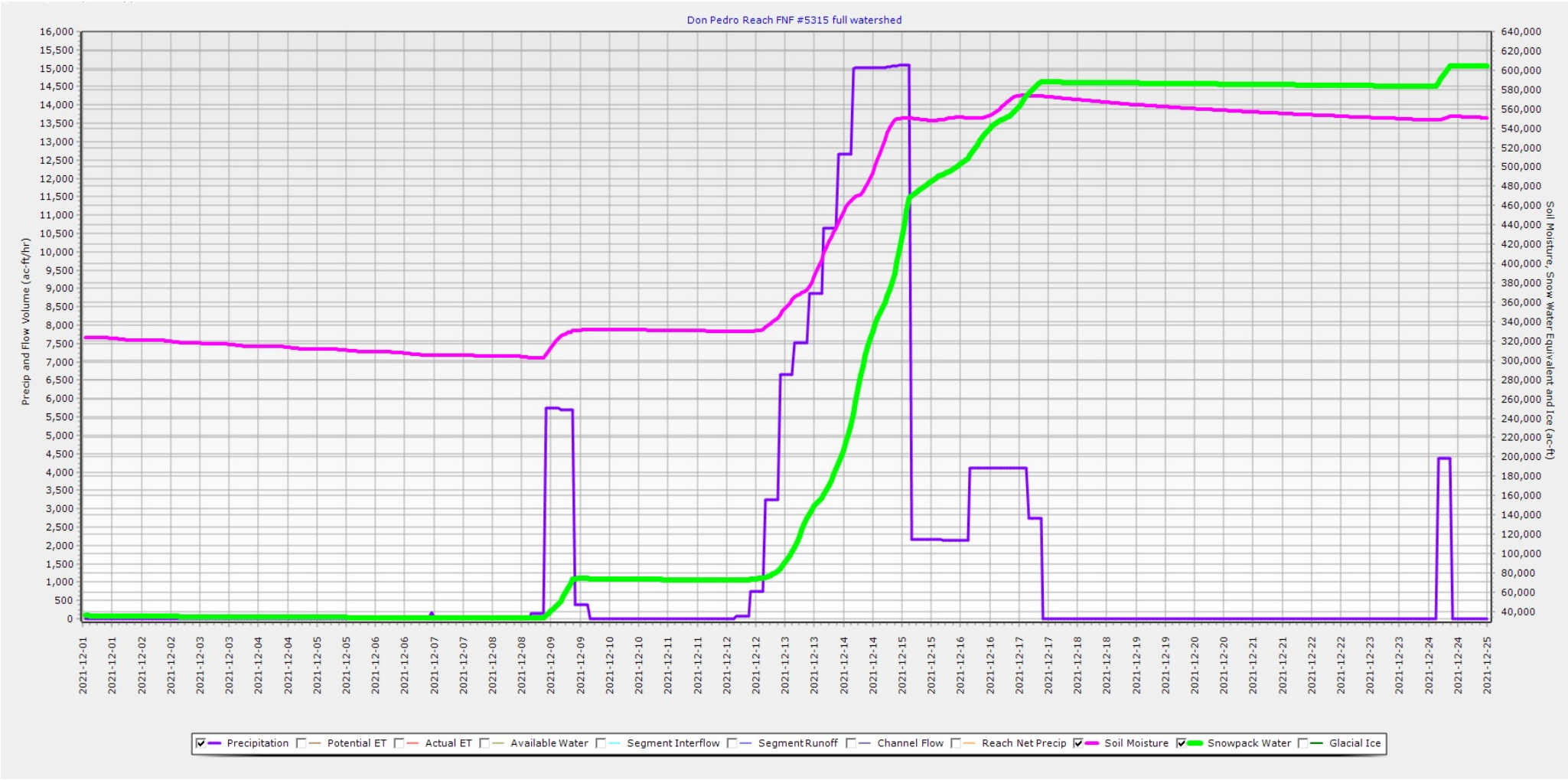


# Upper Tuolumne; GEFS Forecast Initialized 2021-Dec-09 06 UTC

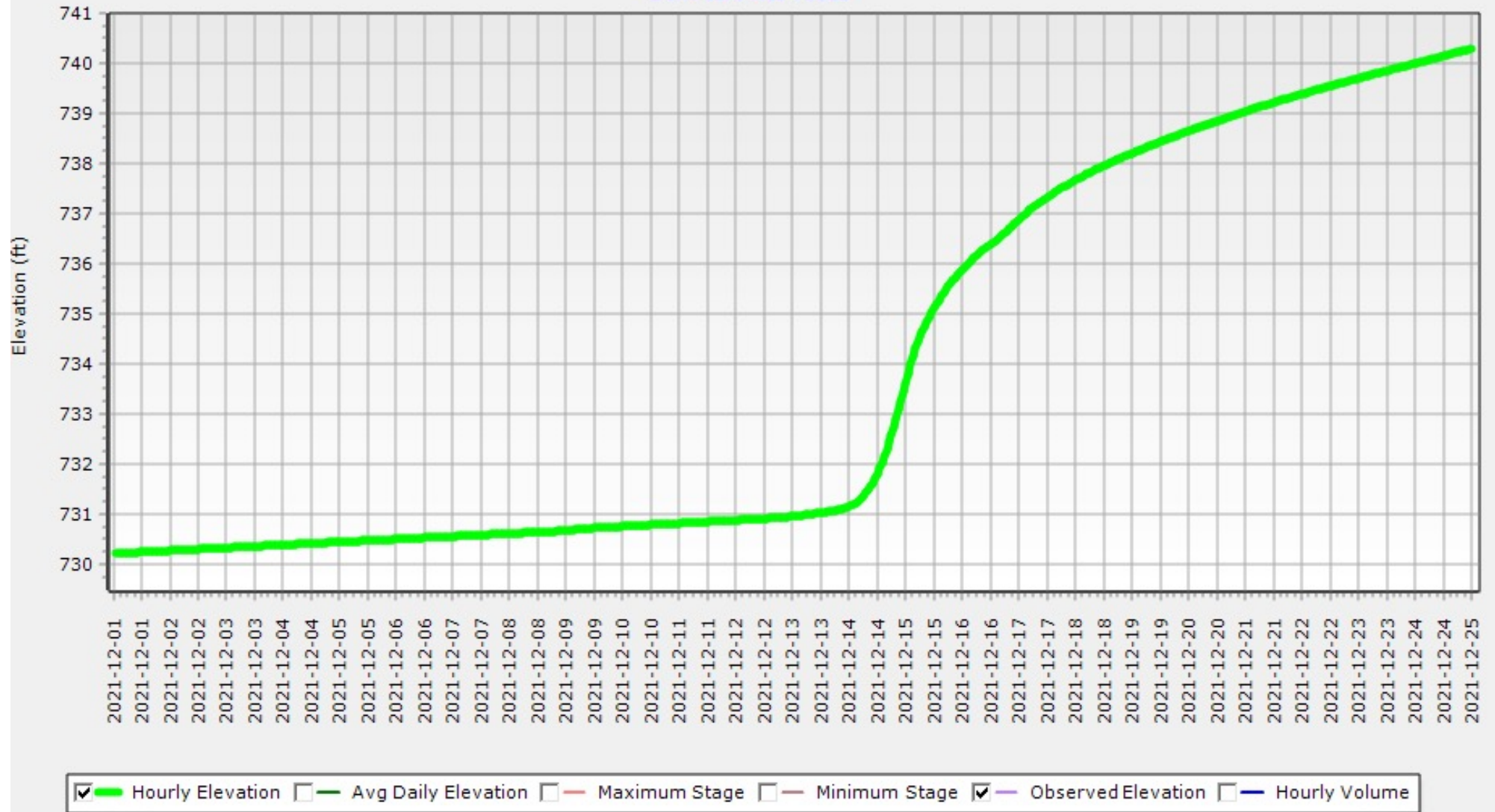
7-day WPC Precipitation Total: 153.97 mm (6.062 in); 44.8% Rain, 19.8% Uncertain, 35.4% Snow

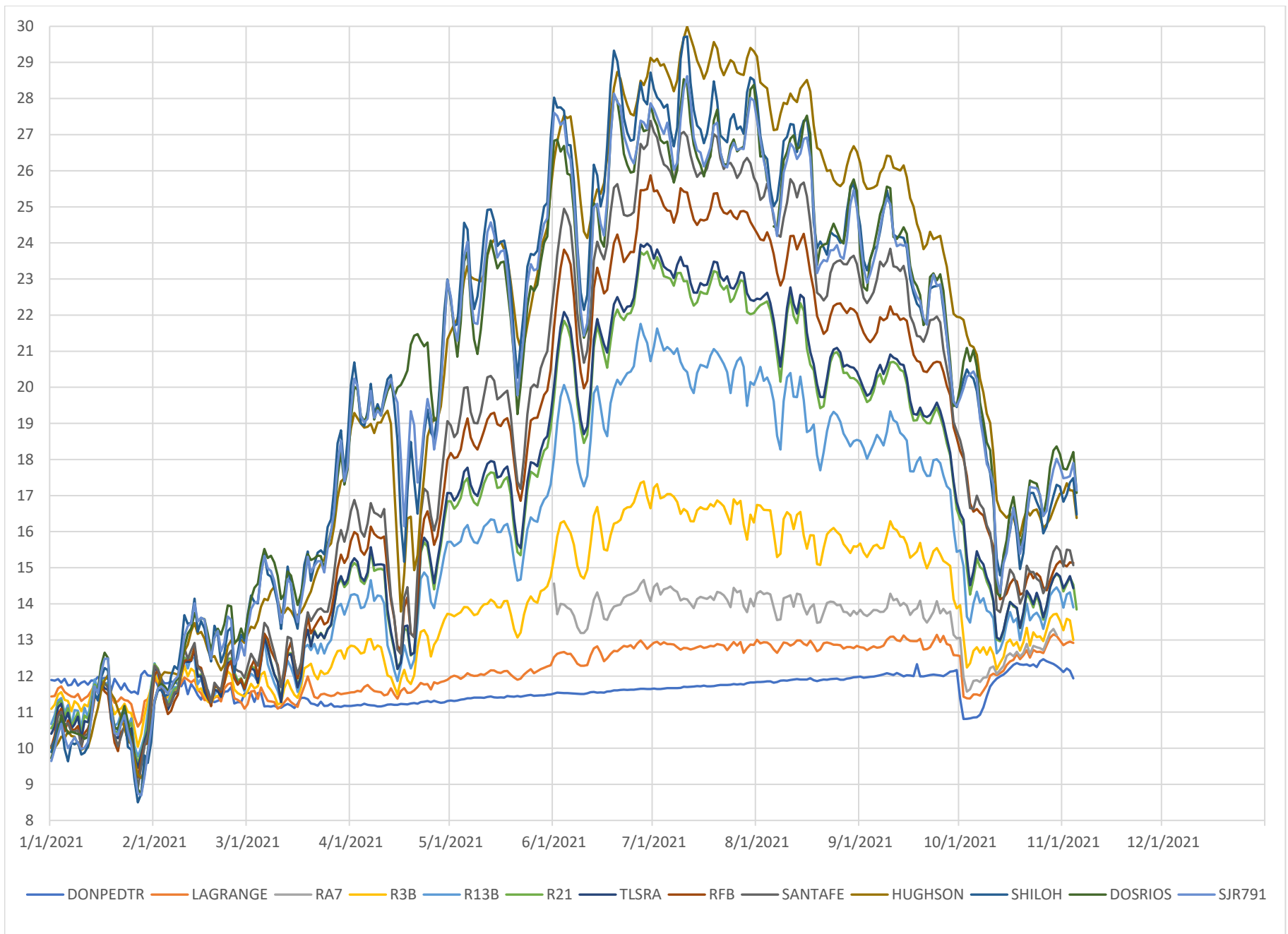






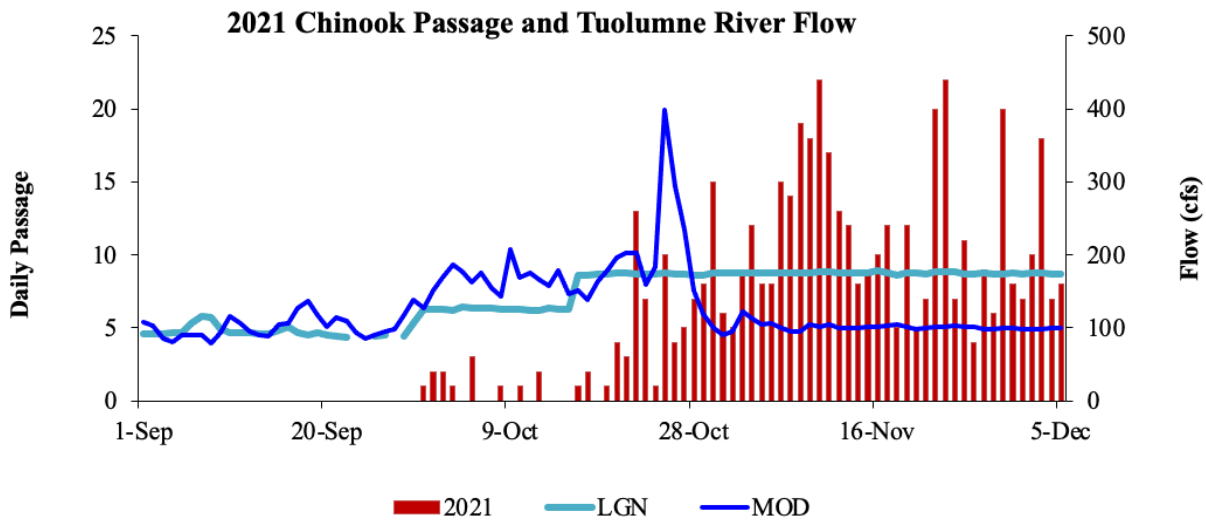
Don Pedro Res #3315





**Table 1. Tuolumne River Weir Chinook salmon counts as of December 5 of each monitoring year. Note: To date, zero *O. mykiss* have been observed passing the weir in 2021.**

Updated Through 12/5/21			
Year	Monitoring Start Date	Net Passage to Date	Season Total
<b>2021</b>	<b>9/29/21</b>	<b>497</b>	<b>497</b>
2020	9/28/20	848	1,061
2019	9/10/19	2,063	2,123
2018	9/12/18	2,948	3,072
2017	9/26/17	2,458	2,769
2016	9/19/16	3,231	3,559
2015	9/28/15	281	436
2014	9/29/14	561	672
2013	9/24/13	3,501	3,738
2012	9/24/12	2,140	2,305
2011	9/16/11	2,660	2,891
2010	9/9/10	792	792
2009	9/22/09	229	299



**Figure 1. Daily Chinook salmon (net upstream) passages at the Tuolumne River weir and river flow at La Grange and Modesto during 2021.**

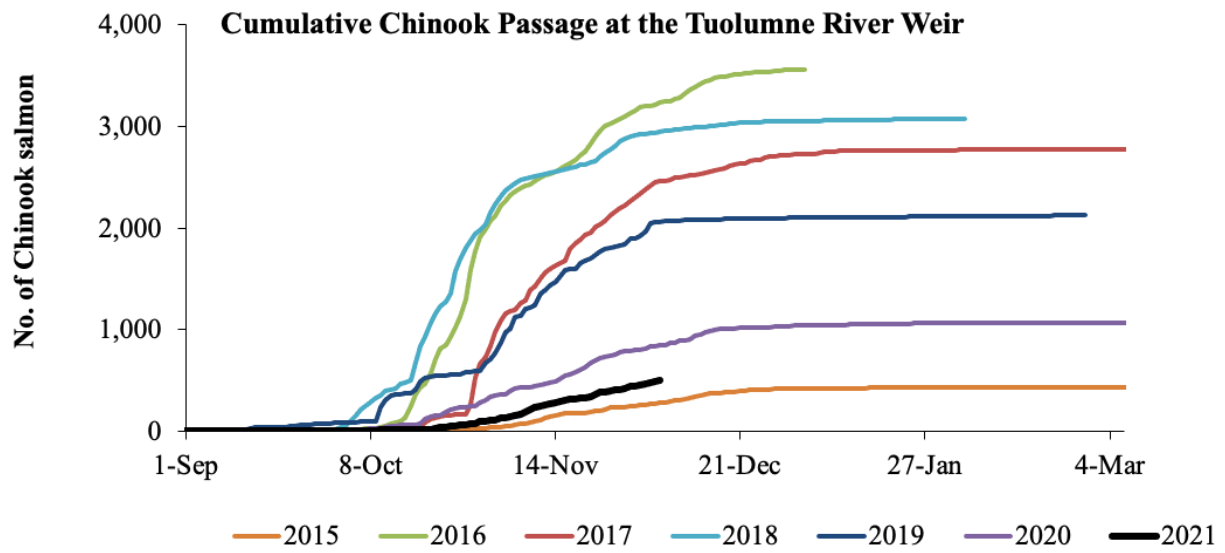
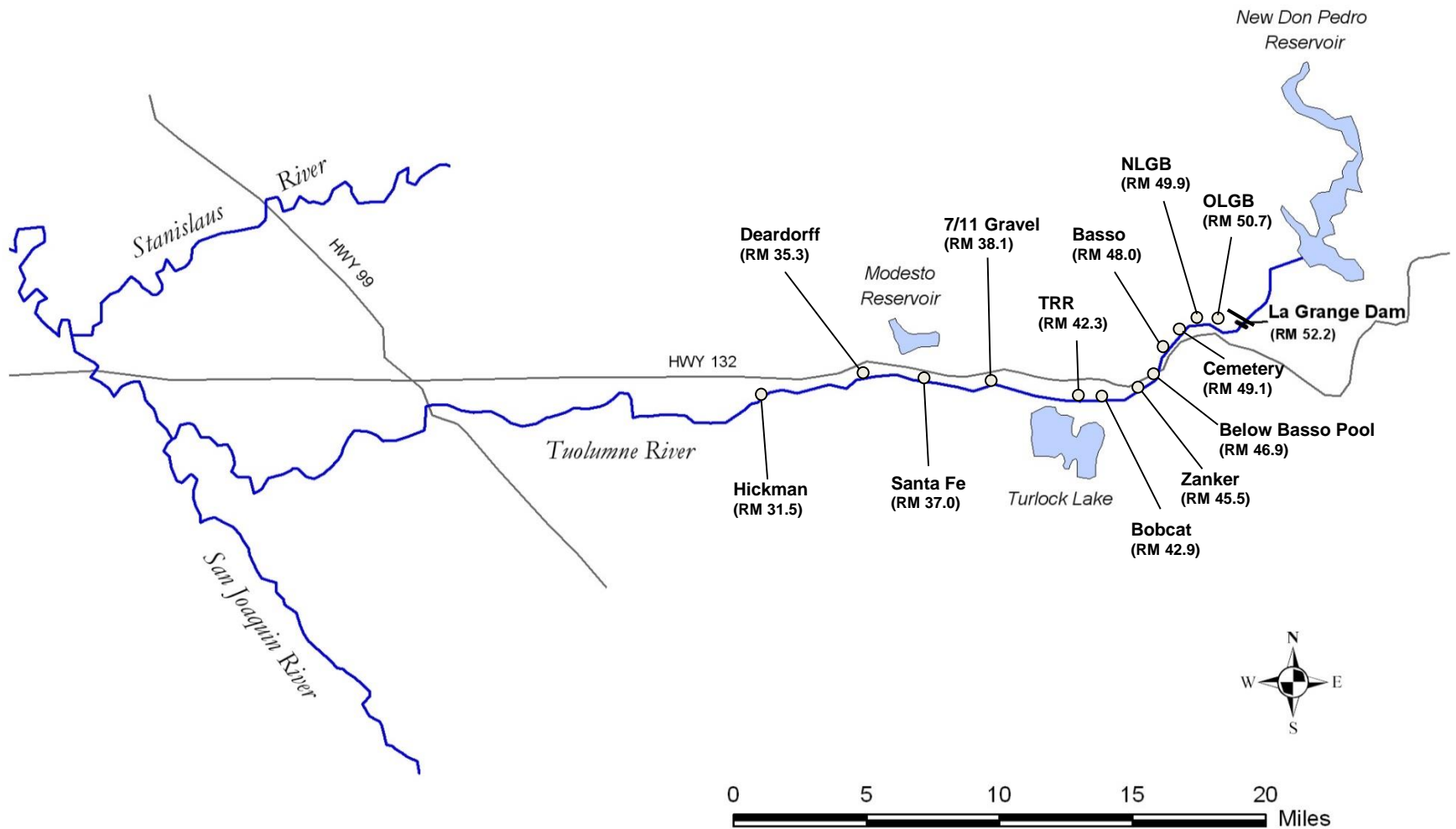


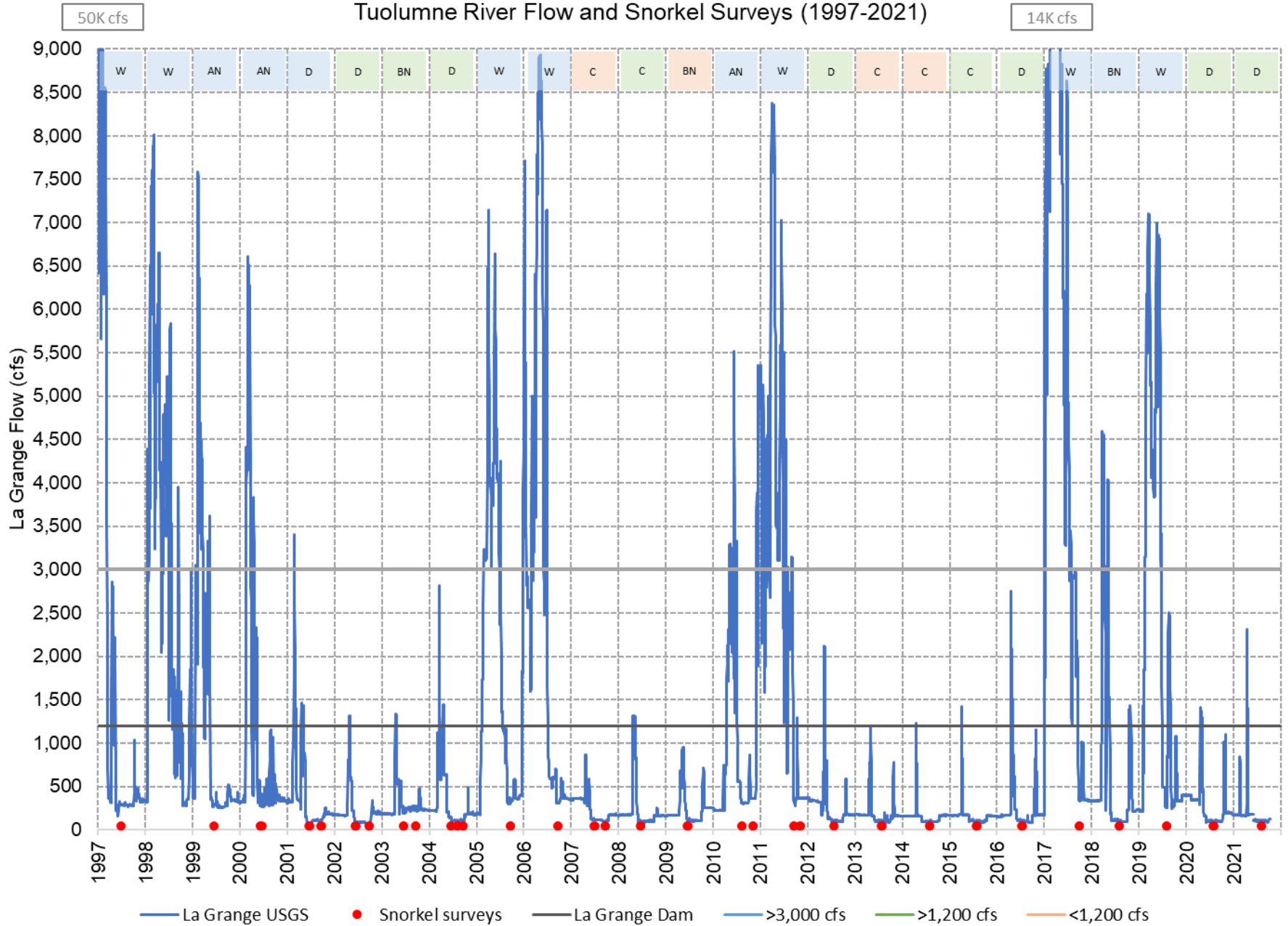
Figure 2. Cumulative Chinook passages at the Tuolumne River Weir, 2015-2021.



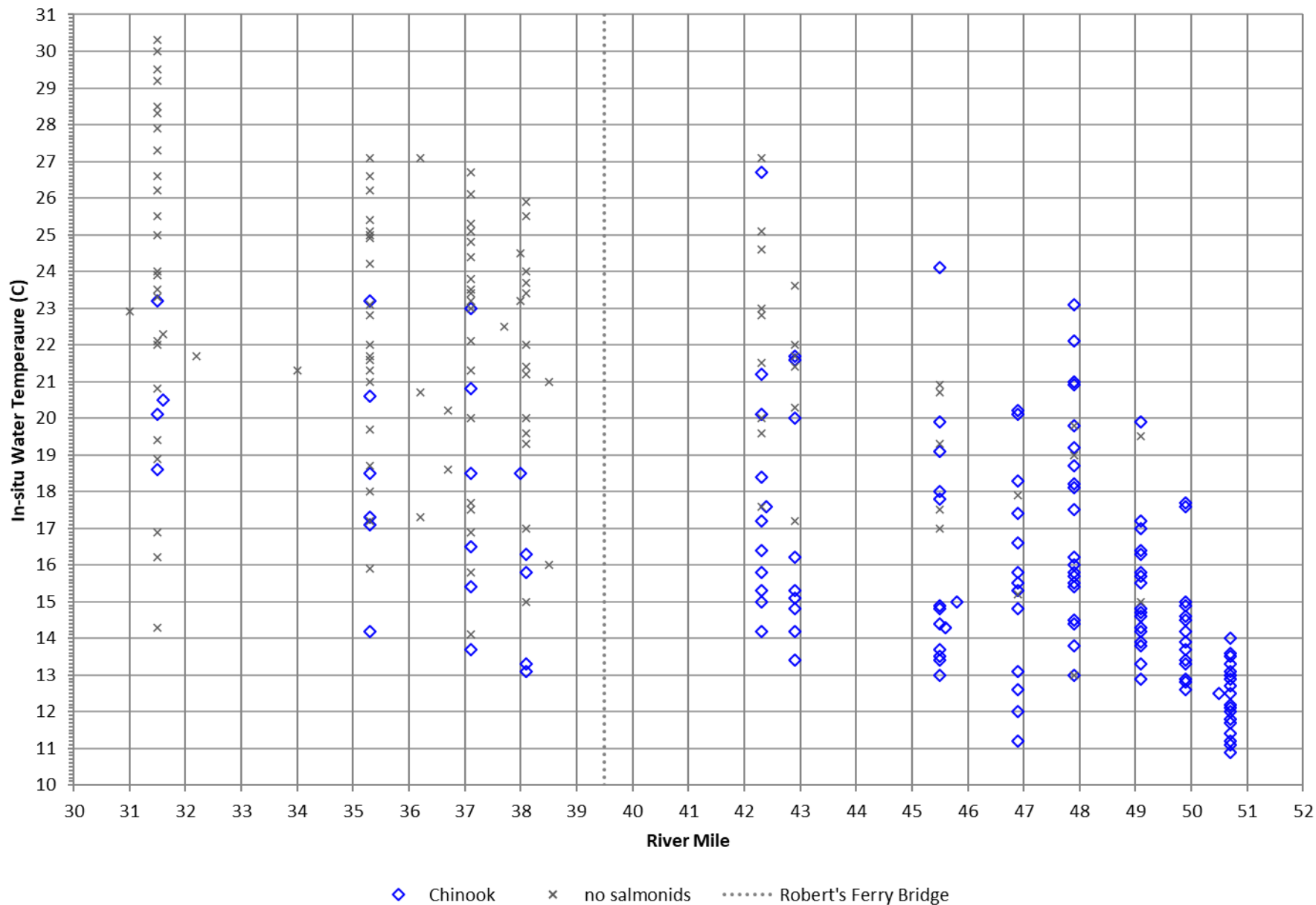
Locations of snorkel survey sites on the lower Tuolumne River, 2001-2021.



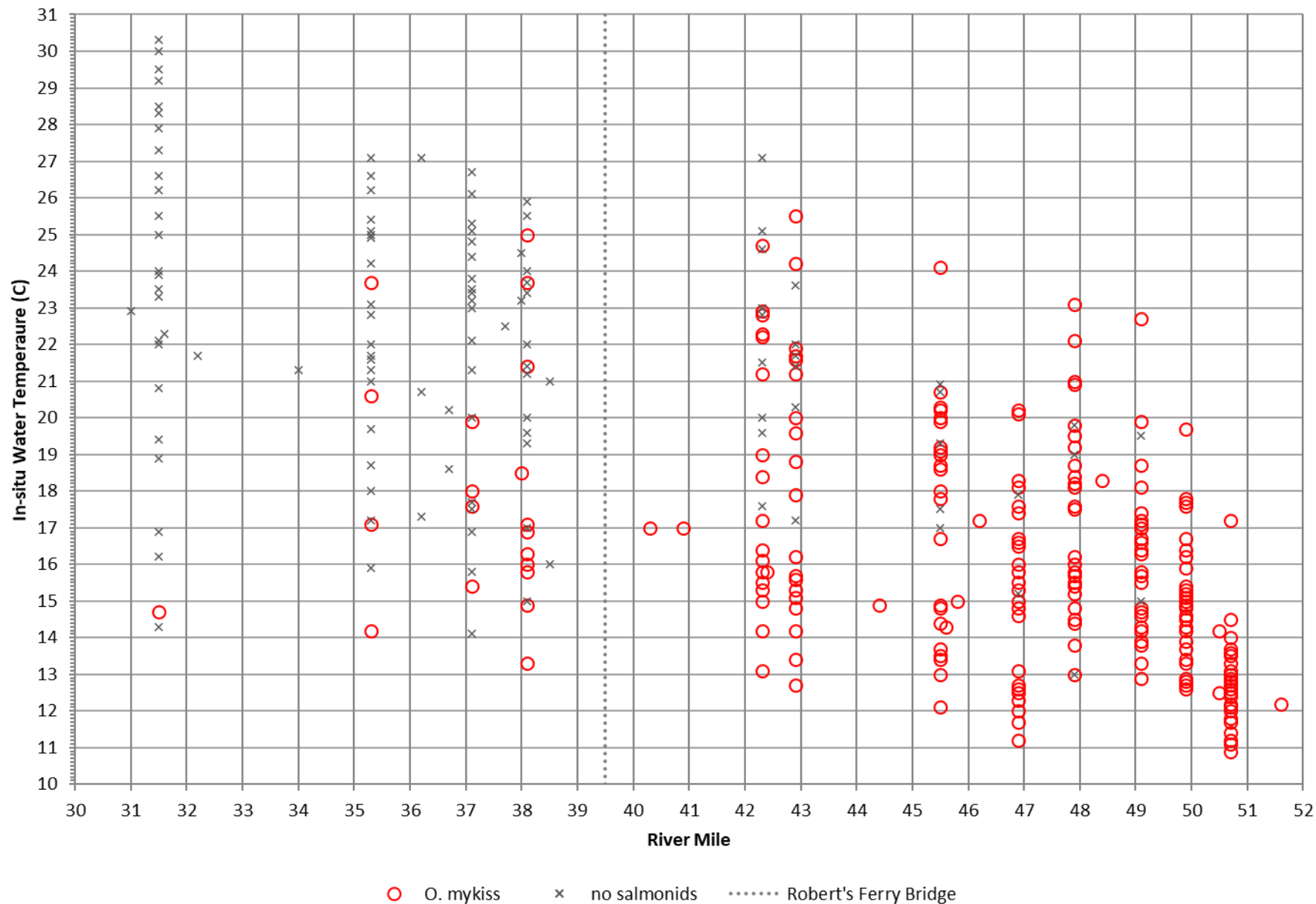
# Tuolumne River Flow and Snorkel Surveys (1997-2021)



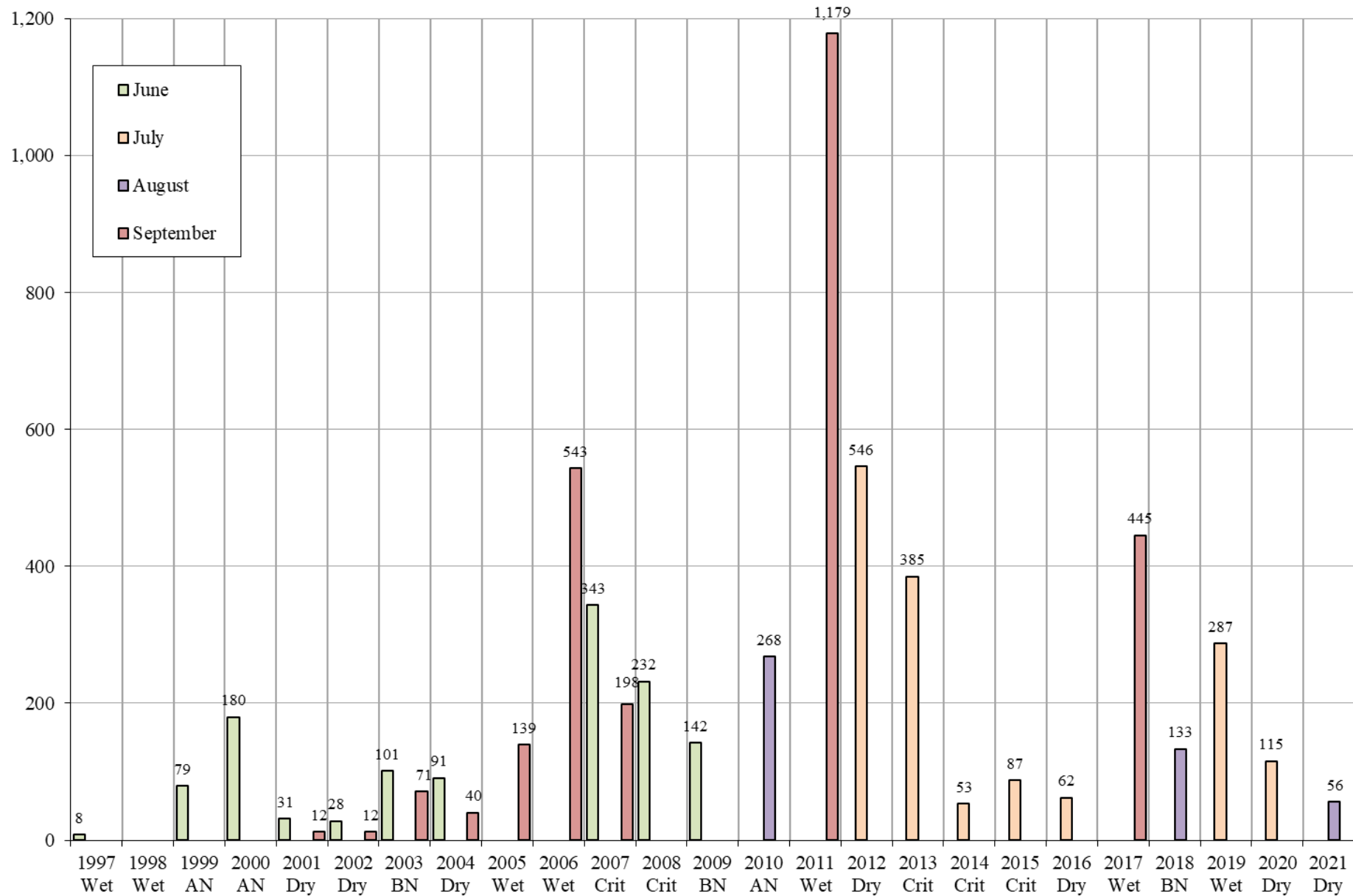
# Chinook observations and water temperature during snorkel surveys (1997-2021)



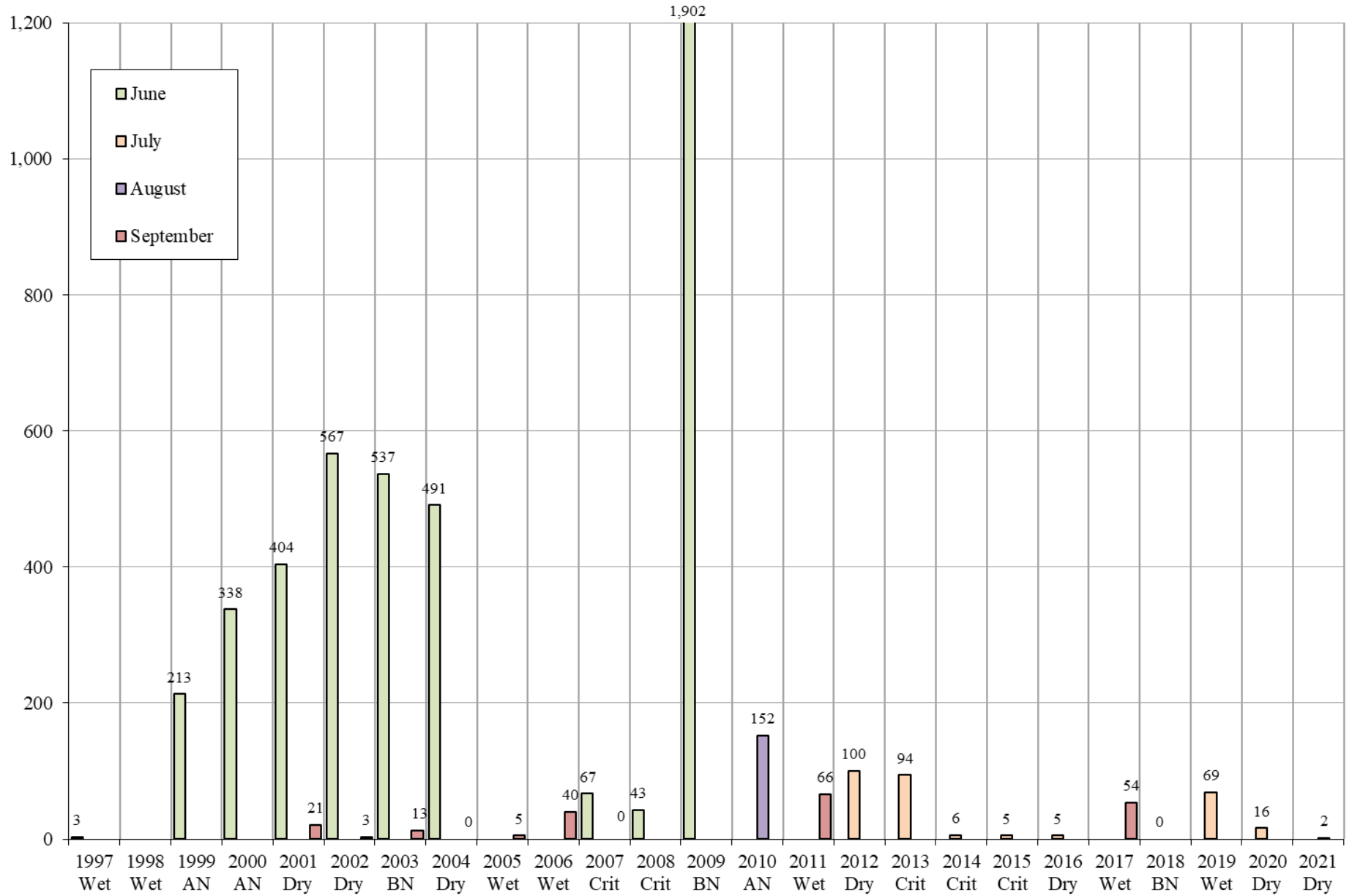
# ***O. mykiss* observations and water temperature during snorkel surveys (1997-2021)**



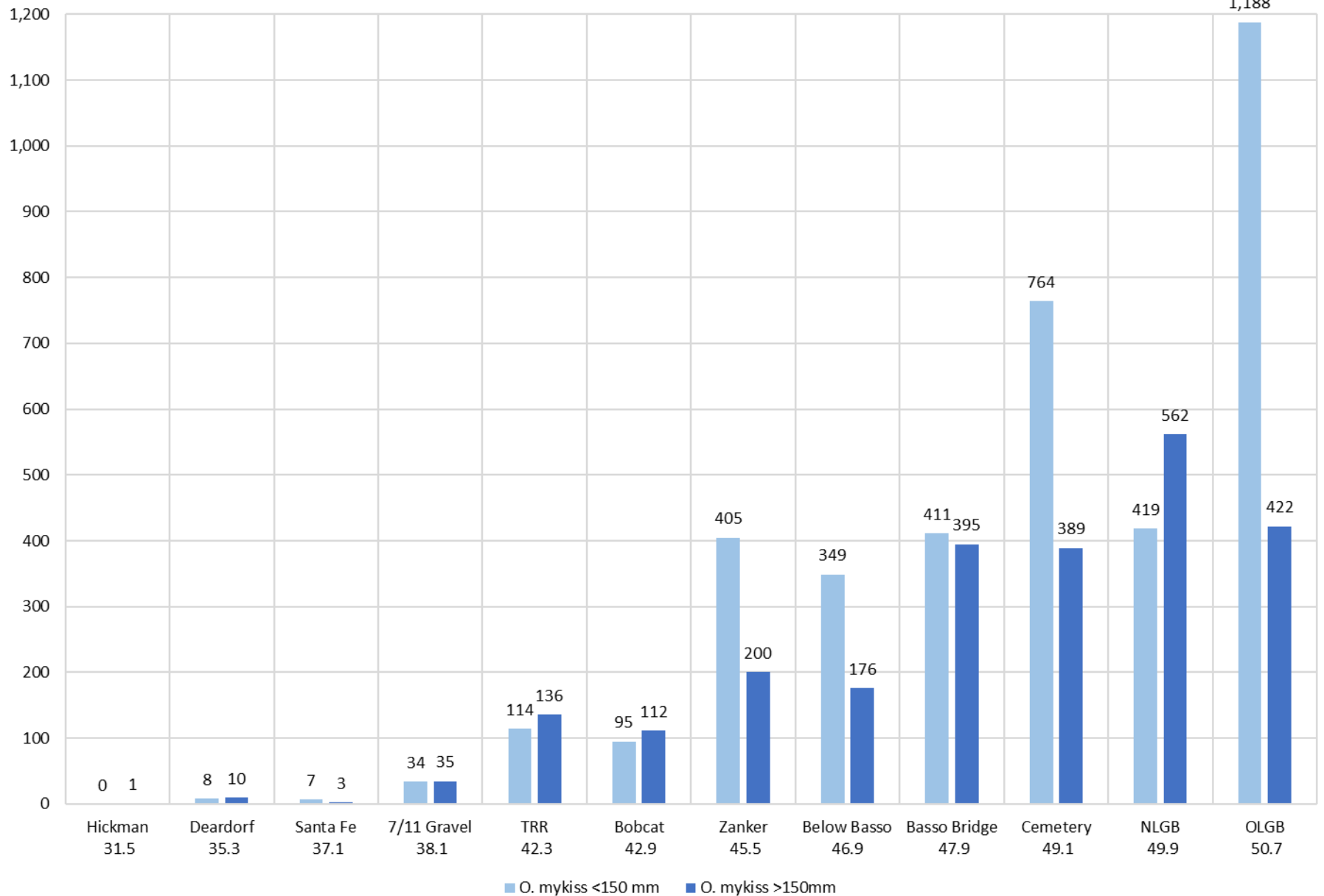
# *O. mykiss* observations (1997-2021)



# Chinook observations (1997-2021)

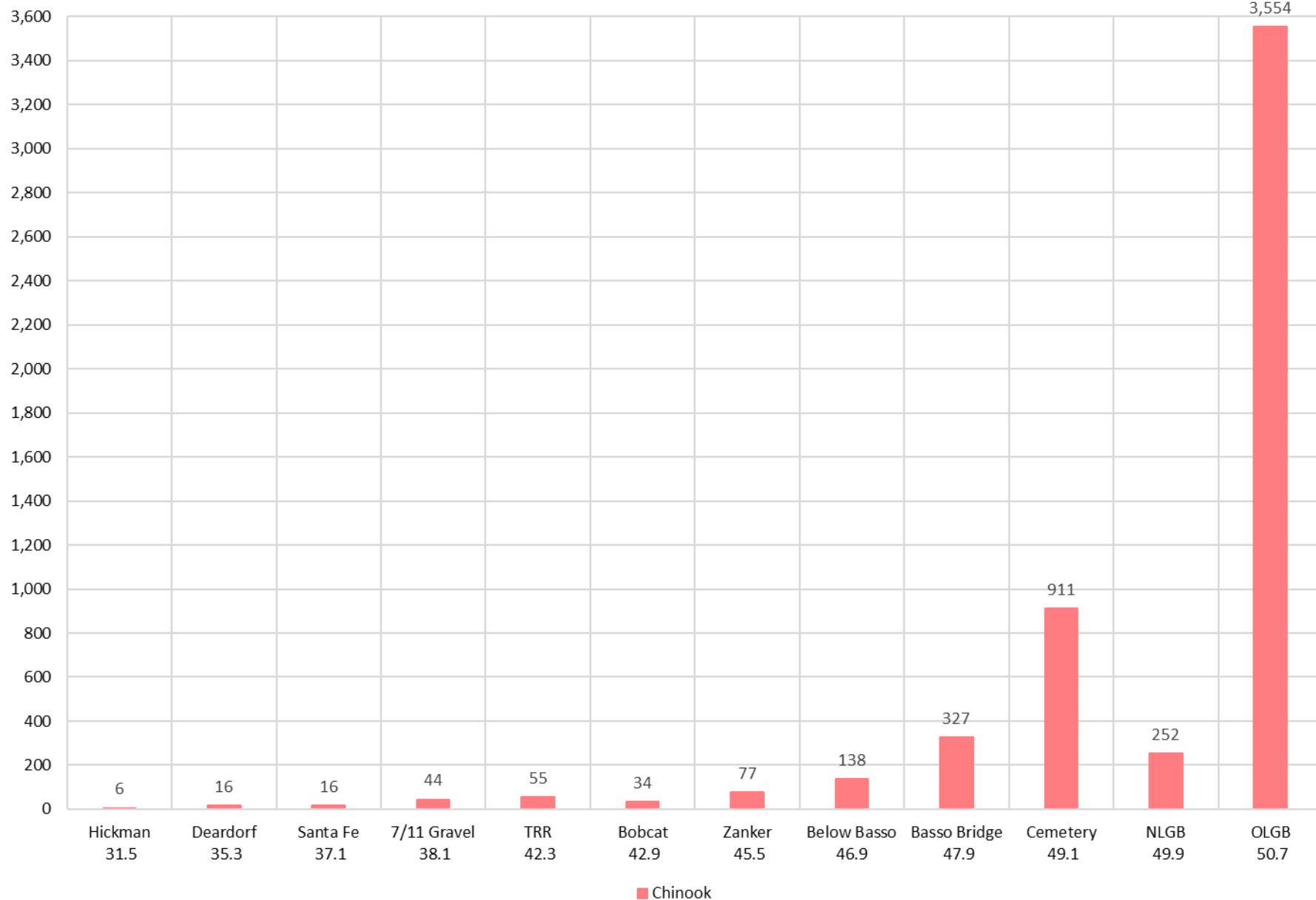


# *O. mykiss* snorkel observations (1997-2021)

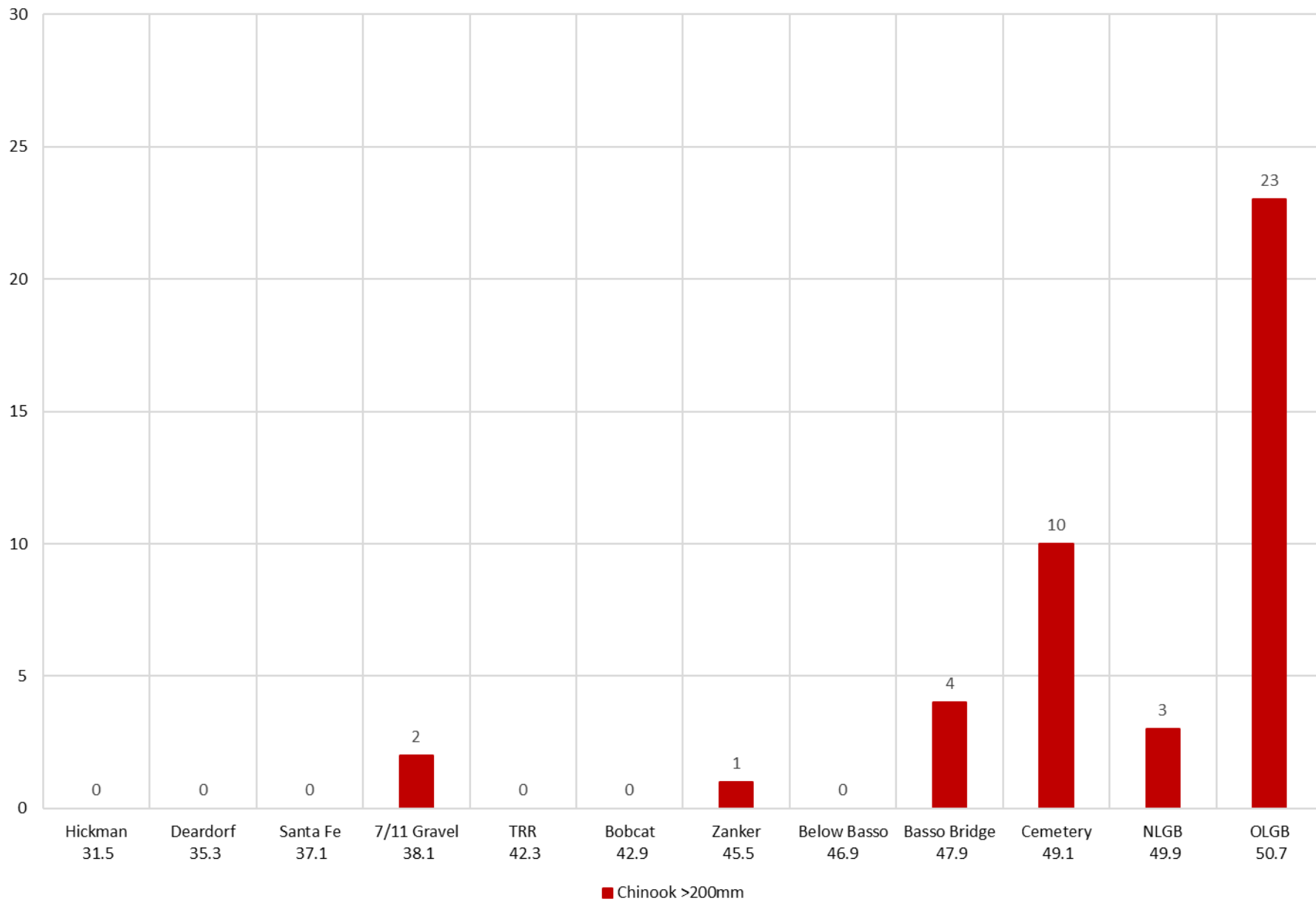




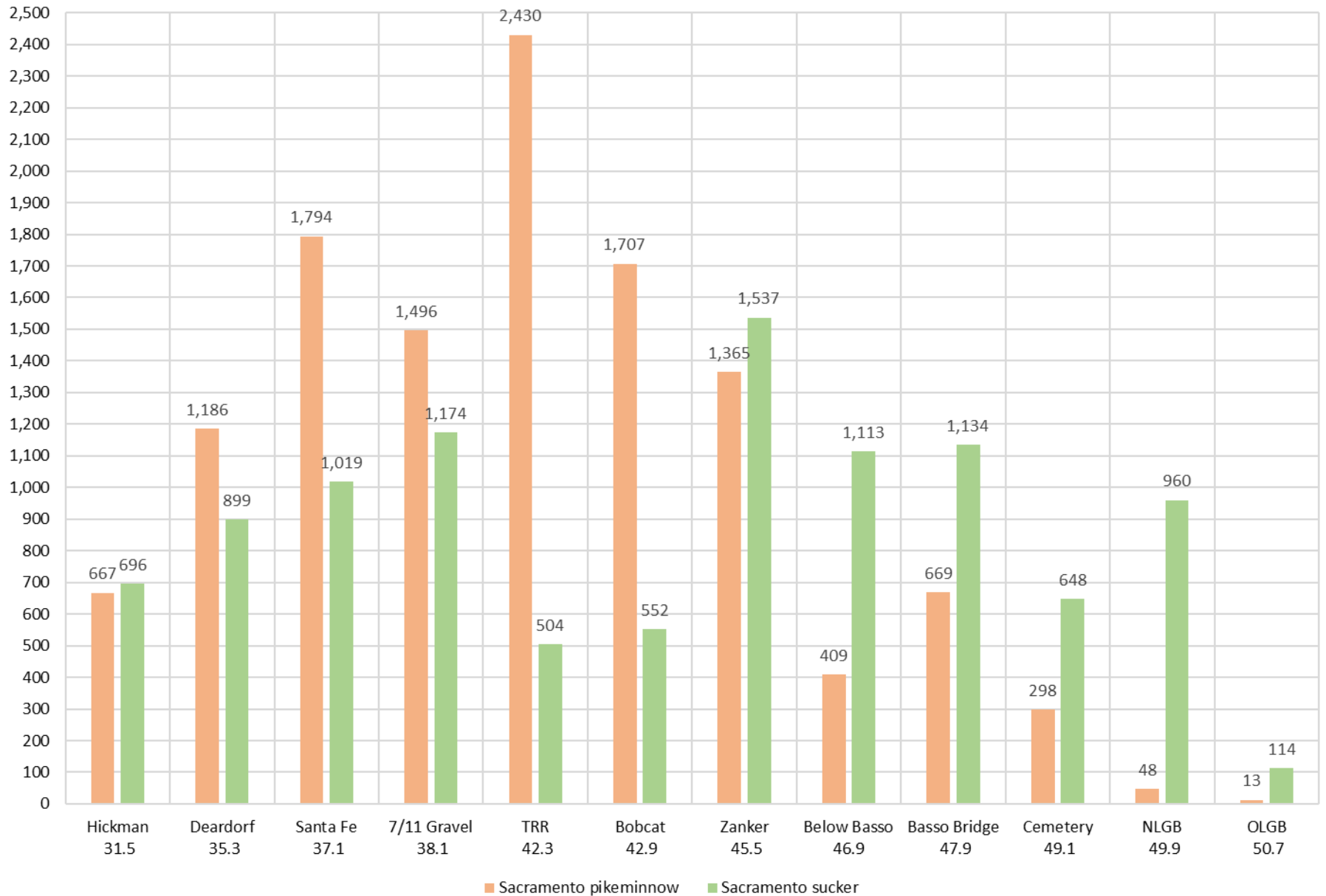
Chinook snorkel observations (1997-2021)



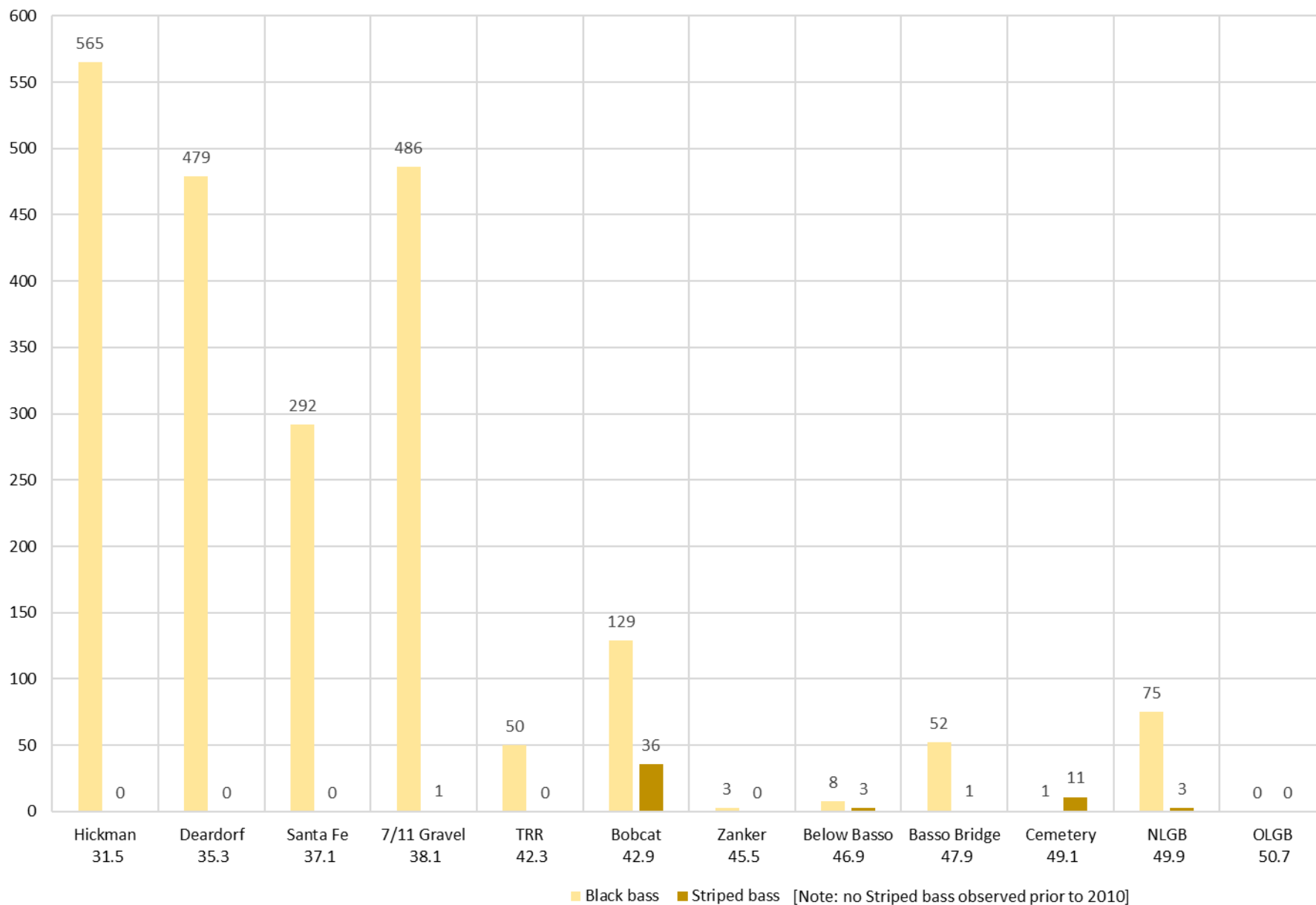
Chinook snorkel observations (1997-2021)



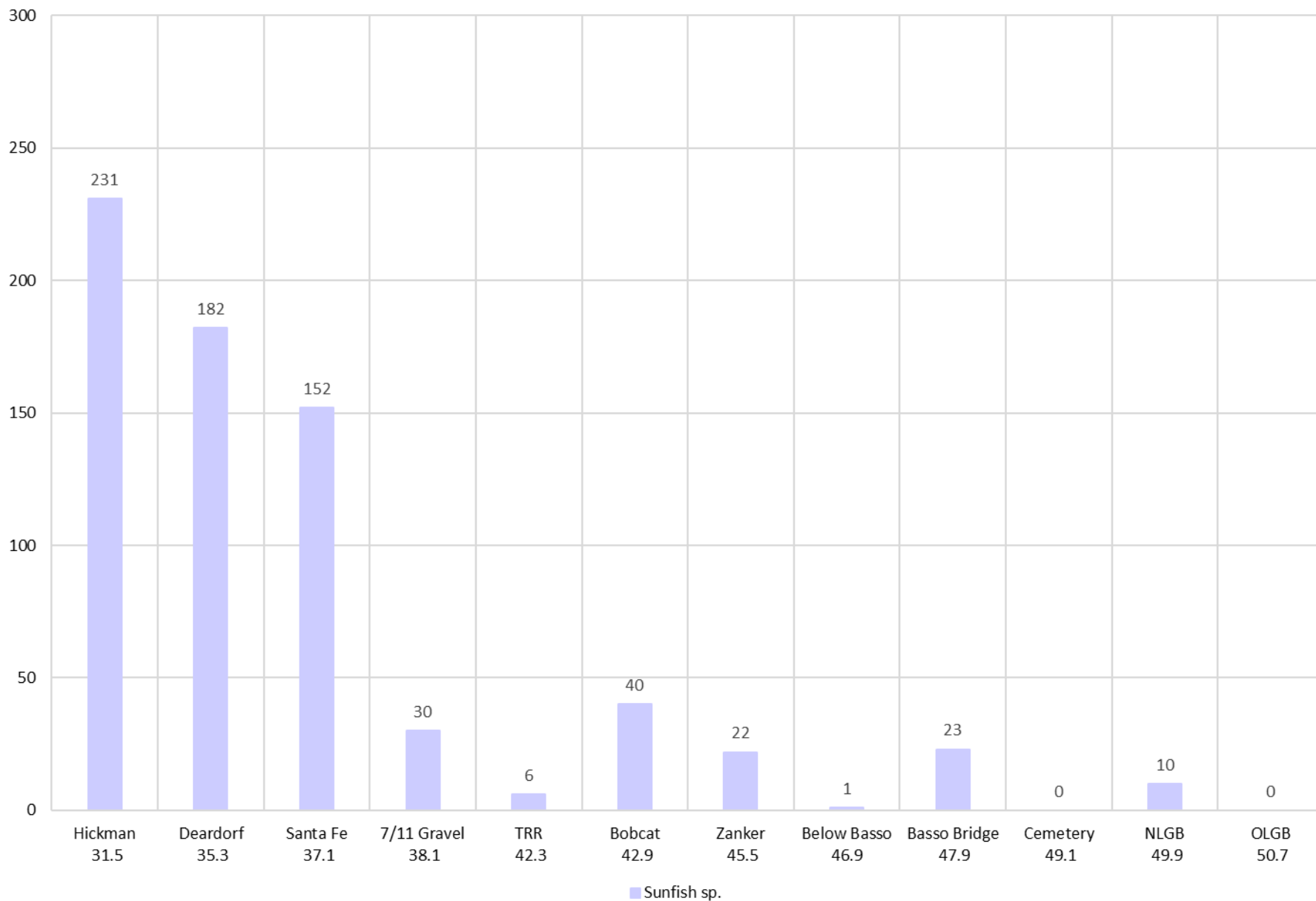
Pikeminnow and Sucker snorkel observations (1997-2021)



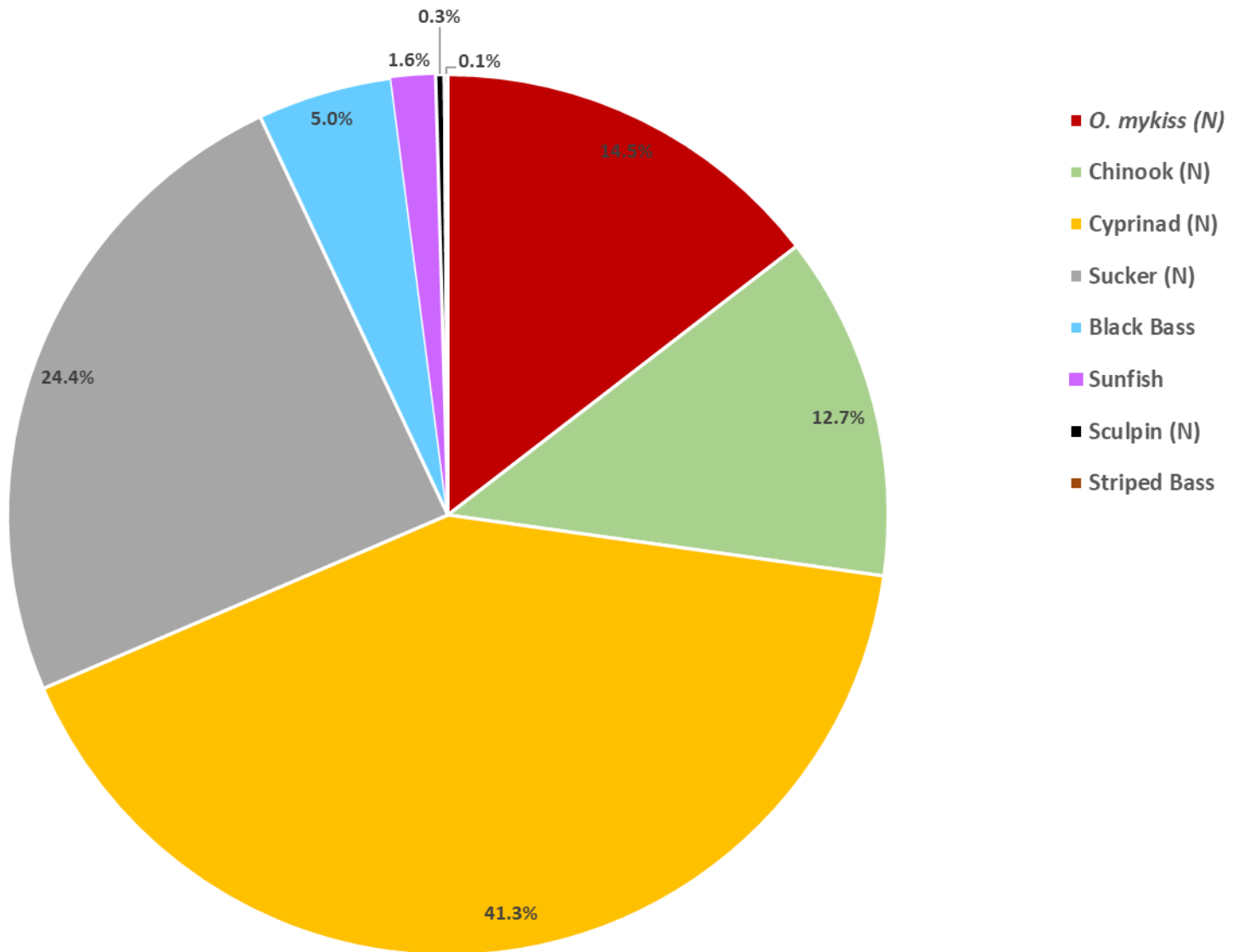
Black bass and Striped bass snorkel observations (1997-2021)



Sunfish species snorkel observations (1997-2021)

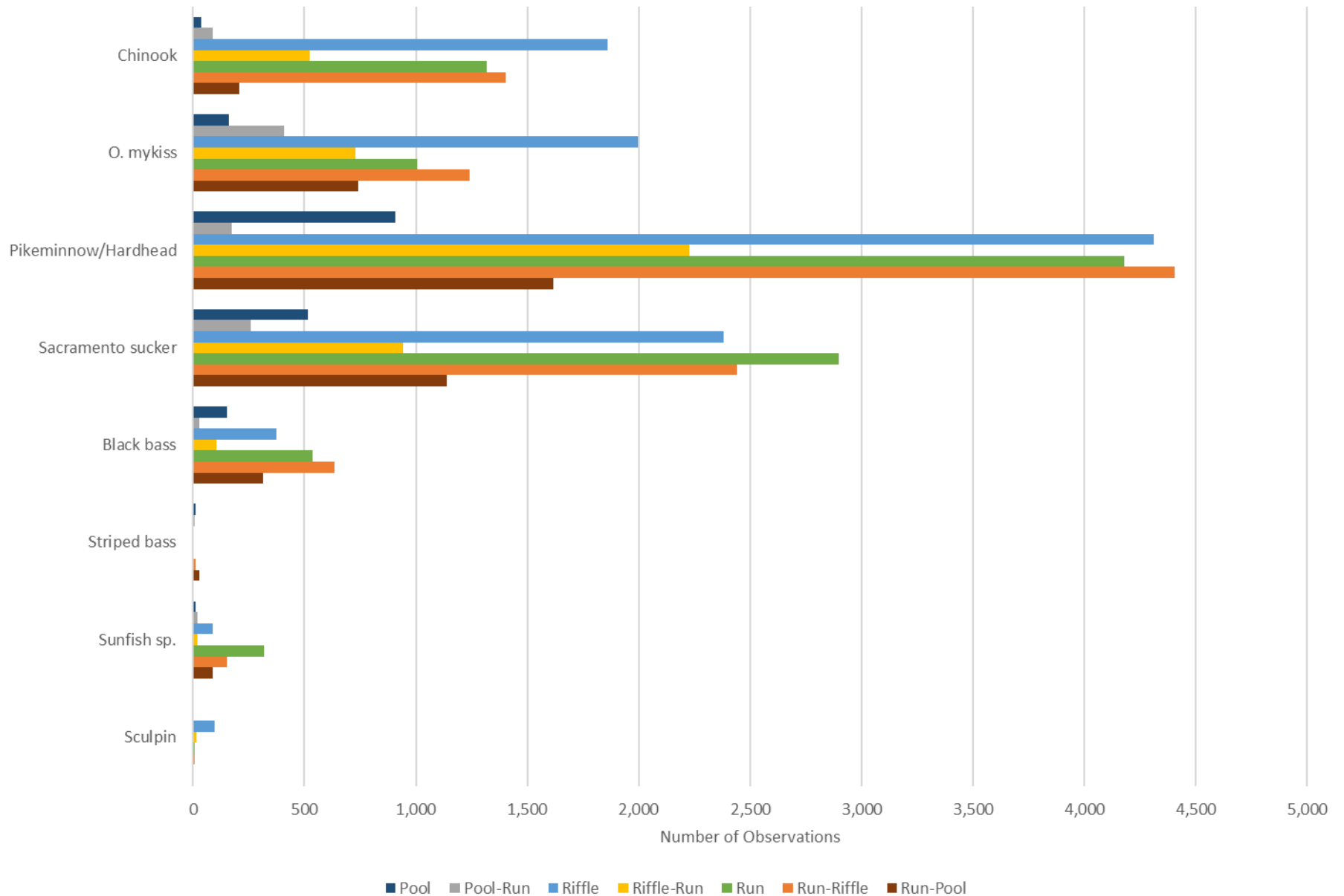


### Snorkel Survey Species Observations (1997-2021)





# Snorkel Observations by Habitat Type (1997-2021)



SRWA Infiltration Gallery Update  
11/30/2021

- Nearly all major components of the future water treatment plant site are underway and in varying states of construction. About half of the Turlock finished water pipeline is installed and is planned to be completed in May 2022. The contractor has turned their attention to the Ceres finished water pipeline, which began in November and will be completed in February 2022.

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