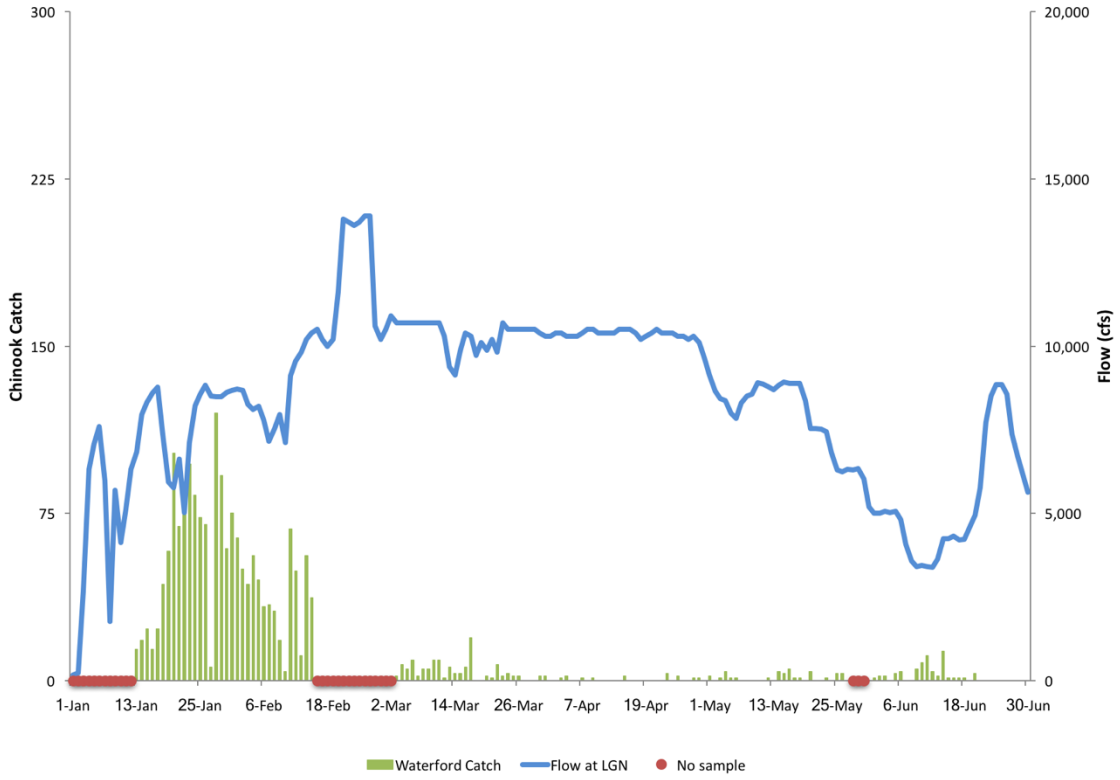


Figure 1. Waterford Chinook catch and Tuolumne River flow at La Grange, 2017.

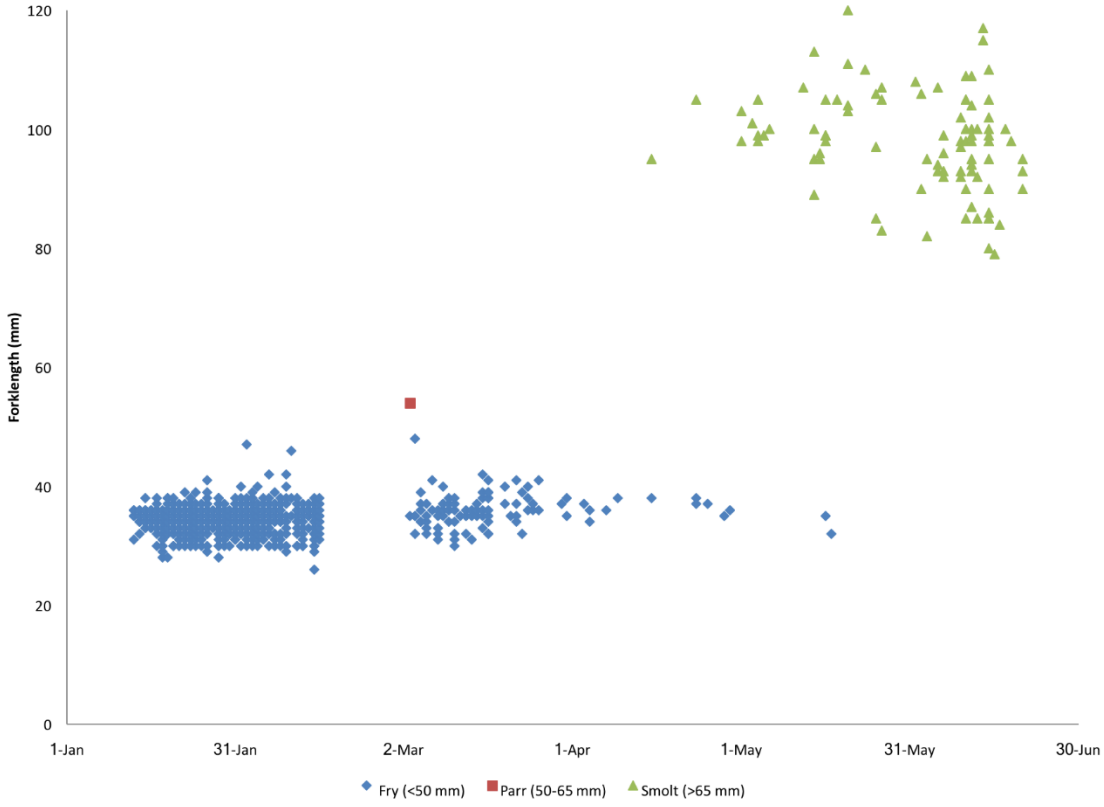


Figure 2. Chinook forklengths by lifestage at Waterford, 2017.

Figure 3. Grayson Chinook catch and Tuolumne River flow at Modesto, 2017.

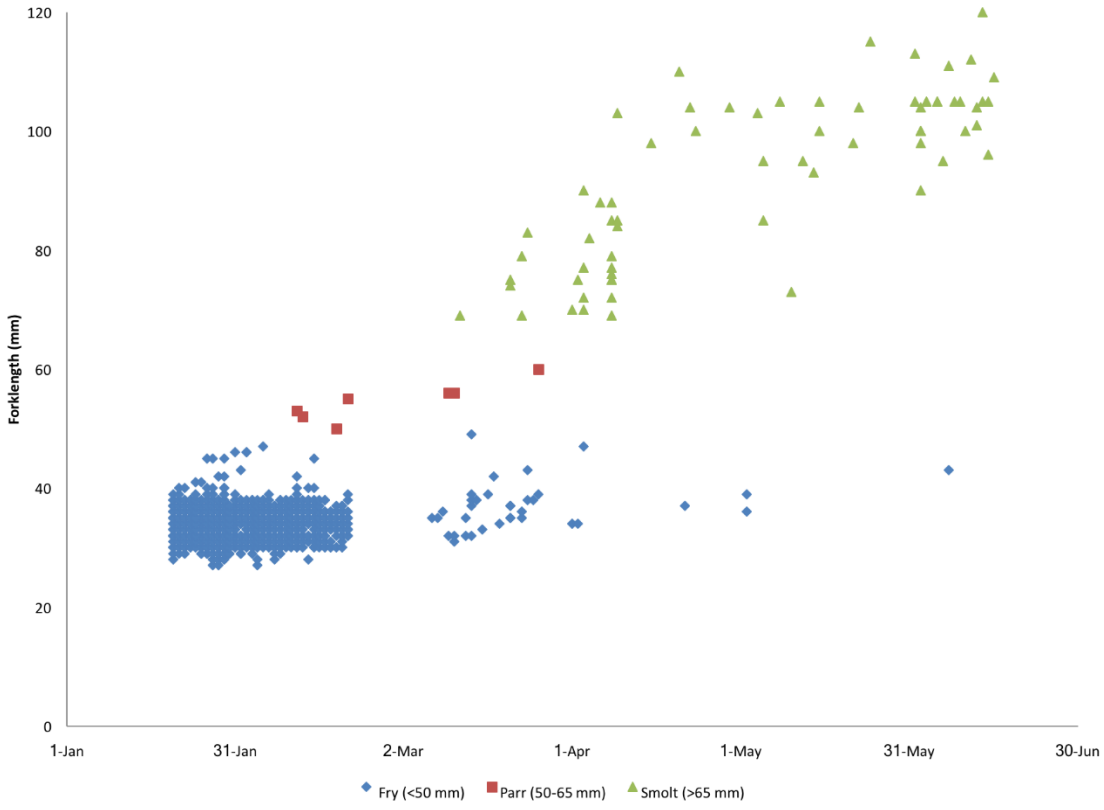


Figure 4. Chinook forklengths by lifestage at Grayson, 2017.

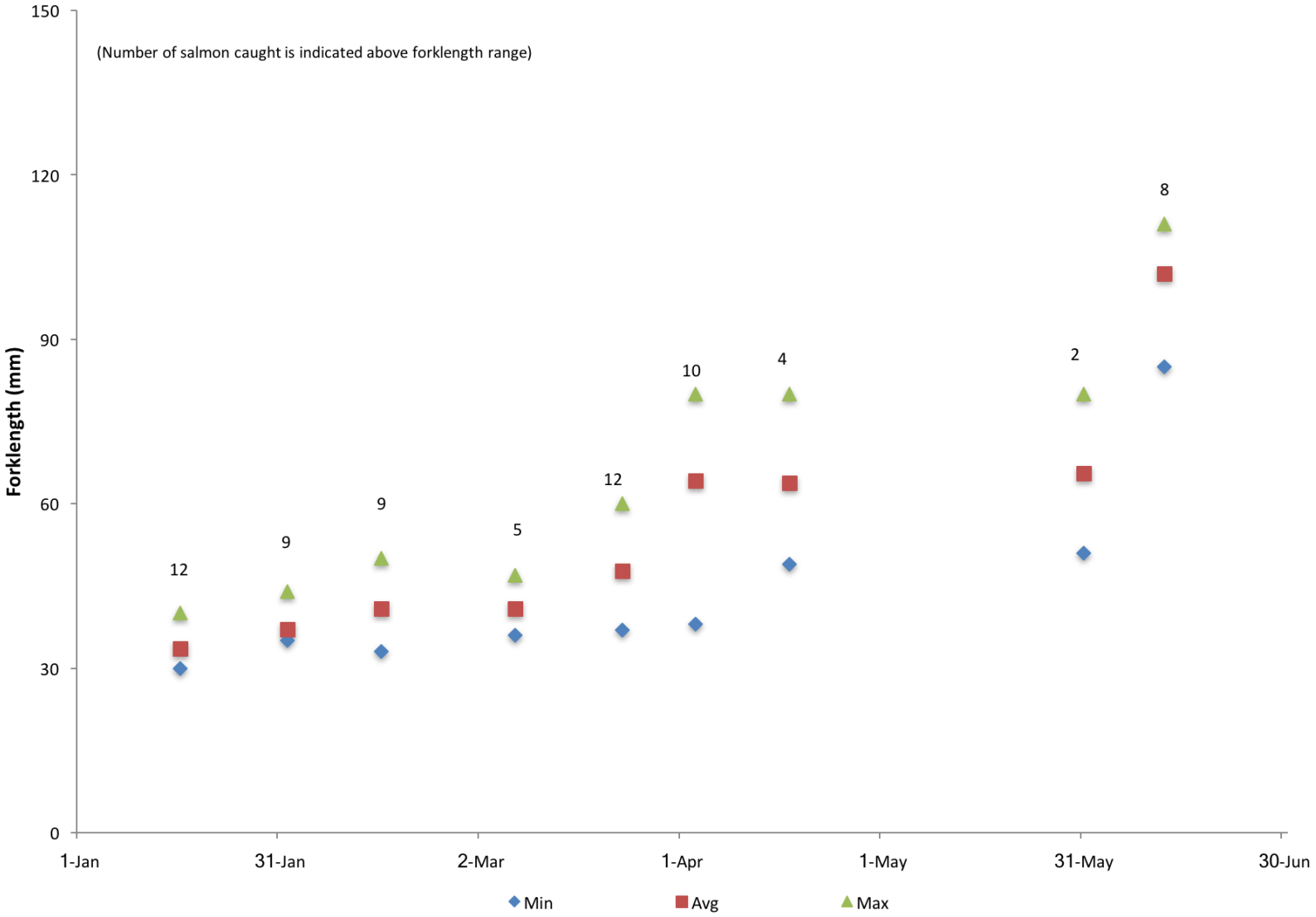


Figure 5. Number and minimum, average and maximum forklength of Chinook captured during the 2017 Tuolumne River seine surveys. Note: graphs do not include floodplain habitat surveyed in April and May.

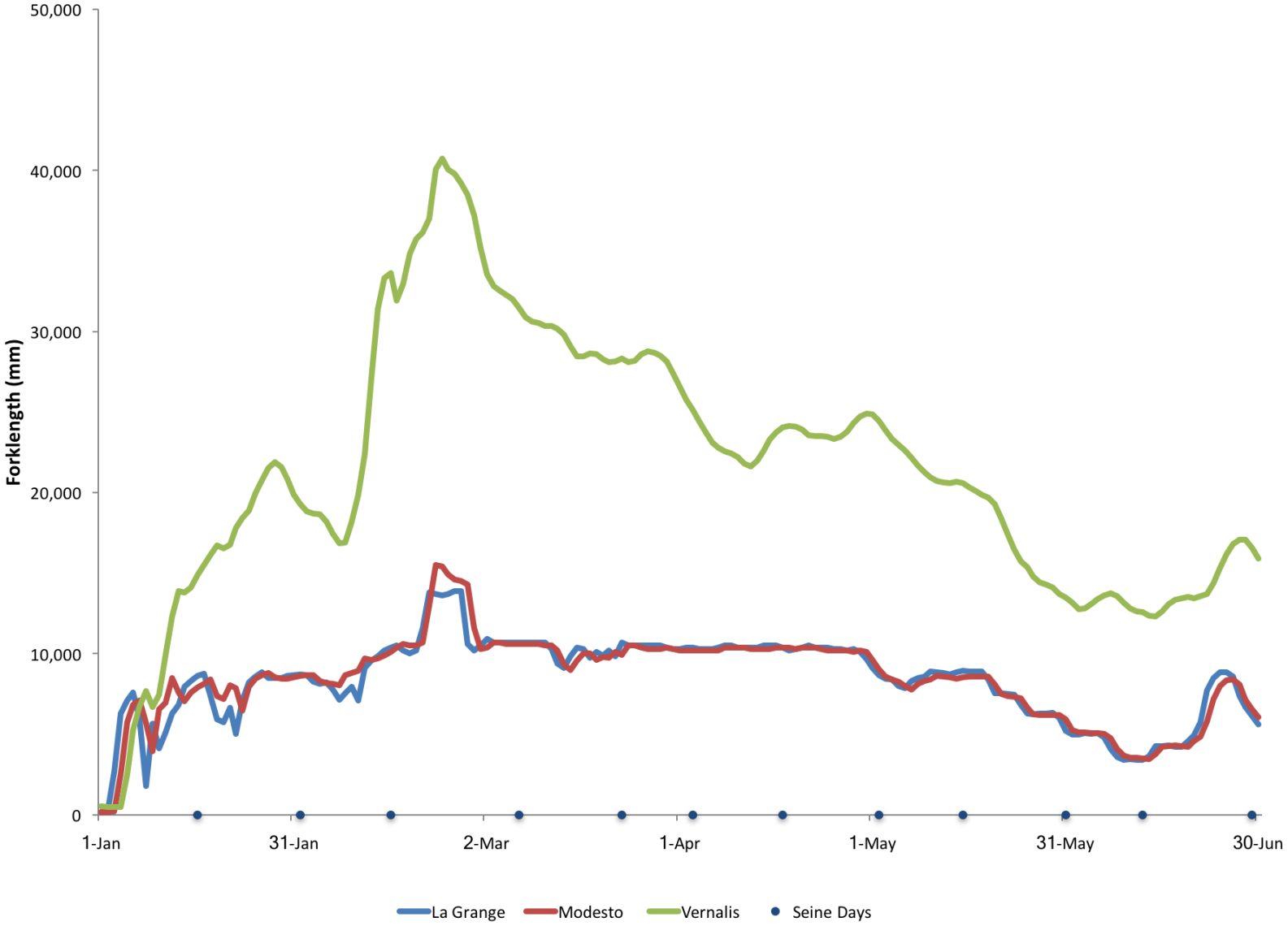


Figure 6. Tuolumne River flow at La Grange and Modesto and San Joaquin River flow at Vernalis during 2017 Tuolumne River seine surveys.

Patrick - here is a summary I have sent to some of our grantees on the project:

The City of Modesto published a request for proposals and the bid period closed on June 13th. We had estimated that the actual construction would cost between $700-$800k, which we had secured through several grants.

Unfortunately, we received only a single bid and it was for $2.4M, well beyond the amount of funding that we have secured. As such, we were not be able to remove Dennett Dam this summer.

While this was very disappointing news, we are not ready to give up on removing this damaging structure.

We have spoken to the contractor who did bid on it and feel that we can reduce the cost and re-bid it to do the work next summer. The following factors conspired to inflate the price, and we feel that many of these can be removed:

1. Many contractors bid on their summer work the prior fall or winter. We were very late for many contractors to bid for work this summer. We will aim to bid this again this fall or winter, which will hopefully open the opportunity for more contractors to bid.

2. The high flows were a big part of the high cost. Not only did we have one of the deepest snowpacks on record, the SFPUC is completely draining Cherry Lake for some long-planned maintenance. As such, TID is dumping a lot of water and flows will generally be high (around 4,000-5,000 cfs) throughout the summer. In most years, summer flows will typically come down to a couple of hundred cfs by late July or August, so this was a very unusual set of circumstances that is creating high flows all summer. While TID was amenable to reducing their flows to about 1,200 cfs for a 4-5 week period in late August to early September, it would still have been a fairly significant flow. To accommodate flows in this range, the contractor has to build cofferdams of considerable size. They would also have difficulties accessing the site and, under their plan would have to "abandon" some of their equipment on the far bank for the duration of the project, meaning they wouldn't have use of it while the project was in progress. In talking to TID, they believe that in almost any other year it would be easy for them to bring the river flow down to about 150 cfs for a 12 week period, and so we expect that next year they will be able to do that.

3. The 4-5 week construction window was very short and the contractor would have to work from dawn to dusk, under a very stressful situation, to get the work done. As such, they built in quite a bit of overtime into the cost. Next year, we believe we can provide a longer construction window and thus have lower labor costs.

If you remove the factors outlined above, the contractor felt that we could get the cost down to perhaps $1.5M. As such, we will focus our efforts on raising additional funds and rebidding it this fall.

While disheartening, the merits of the project are still worth the effort. We believe that it will continue to attract funding and that we will be in a very good position to do the work next summer.

If you have suggestions for additional sources of funds we would welcome those ideas.

Patrick Koepele
Executive Director
patrick@tuolumne.org
209-588-8636

Tuolumne River Projects
City of Modesto 2017

Project: Tuolumne River Regional Park Gateway Parcel – Phase 2
Cost: $2,129,097 (Engineer's Estimate)
Scope of Work: Engineered Landforms, Construction of Backwater Channel, Pedestrian Bridge, Outdoor Classroom with Tiered Seating, Observation Deck, 12' Wide Permeable Concrete Trails with 4' D.G. Edge and Seating.
Engineering Firm: AECOM
Contractor: Empire Landscaping
Contract Award: $2,067,738
Status: Under Construction

Project: Tuolumne River Sheet Pile and Dam Debris Removal Project
Cost: $1,500,000 (Approximate Estimate)
Scope of Work: Temporary Diversion of the River with Coffer Dams, Removal of Sheet Pile and Dam Debris from Riverbed, Remove Coffer Dam and Restore Disturbed Areas in the Riparian Corridor.
Engineering Firm: FlowWest
Contractor: N/A
Contract Award: N/A
Status: Will Solicit for Bids this Fall, and Construction is Anticipated in the Summer of 2018

Table 2

SAN JOAQUIN VALLEY WATER YEAR HYDROLOGIC CLASSIFICATION

602020 INDEX

	APRIL-JULY RUNOFF (AF)					OCTOBER-MARCH RUNOFF (AF)							San Joaquin Index (not the FERC Index)
YEAR	STANISLAUS	TUOLUMNE	MERCED	FRIANT	TOTAL	STANISLAUS	TUOLUMNE	MERCED	FRIANT	TOTAL	602020 INDEX	TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT	
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	142,502	Dry
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	Wet
Feb 1 Forecast													
Dry	810,000	1,430,000	790,000	1,690,000	4,720,000	969,000	1,463,000	772,000	1,010,000	4,214,000	4,145,207	300,923	Wet
Average	1,040,000	1,820,000	970,000	2,050,000	5,880,000	1,094,000	1,678,000	867,000	1,140,000	4,779,000	4,954,207	300,923	Wet
Wet	1,500,000	2,610,000	1,480,000	2,870,000	8,460,000	1,299,000	1,993,000	1,082,000	1,380,000	5,754,000	6,697,207	300,923	Wet
Feb 08 Update													
Dry	950,000	1,680,000	910,000	1,890,000	5,430,000	969,000	1,463,000	772,000	1,010,000	4,214,000	4,571,207	300,923	Wet
Average	1,160,000	2,040,000	1,080,000	2,230,000	6,510,000	1,094,000	1,678,000	867,000	1,140,000	4,779,000	5,332,207	300,923	Wet
Wet	1,600,000	2,790,000	1,550,000	2,990,000	8,930,000	1,299,000	1,993,000	1,082,000	1,380,000	5,754,000	6,979,207	300,923	Wet
Feb 14 Update													
Dry	1,020,000	1,780,000	990,000	1,970,000	5,760,000	969,000	1,463,000	772,000	1,010,000	4,214,000	4,769,207	300,923	Wet
Average	1,220,000	2,110,000	1,150,000	2,290,000	6,770,000	1,094,000	1,678,000	867,000	1,140,000	4,779,000	5,488,207	300,923	Wet
Wet	1,650,000	2,820,000	1,590,000	3,000,000	9,060,000	1,299,000	1,993,000	1,082,000	1,380,000	5,754,000	7,057,207	300,923	Wet
Feb 21 Update													
Dry	1,110,000	1,960,000	1,080,000	2,130,000	6,280,000	969,000	1,463,000	772,000	1,010,000	4,214,000	5,081,207	300,923	Wet
Average	1,300,000	2,260,000	1,230,000	2,430,000	7,220,000	1,094,000	1,678,000	867,000	1,140,000	4,779,000	5,758,207	300,923	Wet
Wet	1,710,000	2,930,000	1,630,000	3,090,000	9,360,000	1,299,000	1,993,000	1,082,000	1,380,000	5,754,000	7,237,207	300,923	Wet
Mar 1 Forecast													
Dry	1,170,000	2,020,000	1,090,000	2,180,000	6,460,000	1,416,000	2,032,000	1,074,000	1,320,000	5,842,000	5,514,807	300,923	Wet
Average	1,340,000	2,280,000	1,230,000	2,460,000	7,310,000	1,546,000	2,237,000	683,000	1,520,000	5,986,000	6,053,607	300,923	Wet
Wet	1,790,000	2,900,000	1,580,000	3,050,000	9,320,000	1,846,000	2,652,000	1,434,000	1,910,000	7,842,000	7,630,807	300,923	Wet
Mar 14 Update													
Dry	1,200,000	2,050,000	1,080,000	2,190,000	6,520,000	1,416,000	2,032,000	1,074,000	1,320,000	5,842,000	5,550,807	300,923	Wet
Average	1,350,000	2,270,000	1,200,000	2,430,000	7,250,000	1,546,000	2,237,000	683,000	1,520,000	5,986,000	6,017,607	300,923	Wet
Wet	1,740,000	2,790,000	1,500,000	2,920,000	8,950,000	1,846,000	2,652,000	1,434,000	1,910,000	7,842,000	7,408,807	300,923	Wet
Mar 21 Update													
Dry	1,160,000	2,010,000	1,050,000	2,120,000	6,340,000	1,416,000	2,032,000	1,074,000	1,320,000	5,842,000	5,442,807	300,923	Wet
Average	1,300,000	2,210,000	1,160,000	2,340,000	7,010,000	1,546,000	2,237,000	683,000	1,520,000	5,986,000	5,873,607	300,923	Wet
Wet	1,630,000	2,680,000	1,440,000	2,770,000	8,520,000	1,846,000	2,652,000	1,434,000	1,910,000	7,842,000	7,150,807	300,923	Wet
Mar 28 Update													
Dry	1,210,000	2,080,000	1,070,000	2,180,000	6,540,000	1,416,000	2,032,000	1,074,000	1,320,000	5,842,000	5,562,807	300,923	Wet
Average	1,340,000	2,260,000	1,180,000	2,380,000	7,160,000	1,546,000	2,237,000	683,000	1,520,000	5,986,000	5,963,607	300,923	Wet
Wet	1,630,000	2,680,000	1,430,000	2,750,000	8,490,000	1,846,000	2,652,000	1,434,000	1,910,000	7,842,000	7,132,807	300,923	Wet
Apr 1 Forecast													
Dry	1,210,000	2,040,000	1,060,000	2,110,000	6,420,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	5,653,407	300,923	Wet
Average	1,340,000	2,210,000	1,160,000	2,300,000	7,010,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,007,407	300,923	Wet
Wet	1,620,000	2,600,000	1,400,000	2,640,000	8,260,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,757,407	300,923	Wet
Apr 11 Update													
Dry	1,280,000	2,160,000	1,120,000	2,230,000	6,790,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	5,875,407	300,923	Wet
Average	1,400,000	2,310,000	1,210,000	2,410,000	7,330,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,199,407	300,923	Wet
Wet	1,630,000	2,630,000	1,410,000	2,690,000	8,360,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,817,407	300,923	Wet
Apr 18 Update													
Dry	1,400,000	2,330,000	1,200,000	2,320,000	7,250,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,151,407	300,923	Wet
Average	1,520,000	2,460,000	1,280,000	2,490,000	7,750,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,451,407	300,923	Wet
Wet	1,710,000	2,730,000	1,450,000	2,730,000	8,620,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,973,407	300,923	Wet

Table 2

SAN JOAQUIN VALLEY WATER YEAR HYDROLOGIC CLASSIFICATION

602020 INDEX

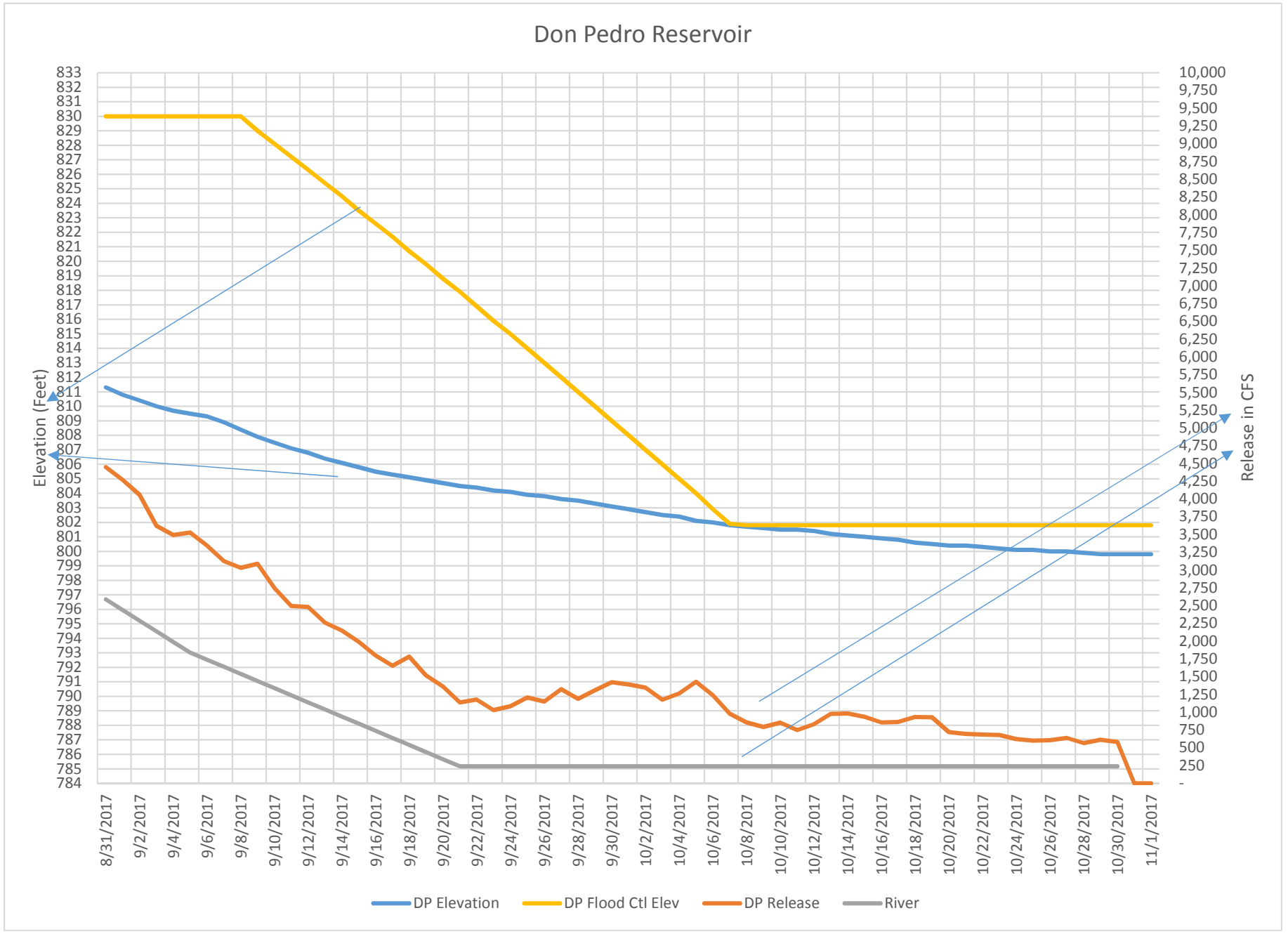
YEAR	APRIL-JULY RUNOFF (AF) STANISLAUS	TUOLUMNE	MERCED	FRIANT	TOTAL	OCTOBER-MARCH RUNOFF (AF) STANISLAUS	TUOLUMNE	MERCED	FRIANT	TOTAL	602020 INDEX	TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT	San Joaquin Index (not the FERC Index)
Apr 25 Update													
Dry	1,390,000	2,330,000	1,190,000	2,330,000	7,240,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,145,407	300,923	Wet
Average	1,500,000	2,440,000	1,260,000	2,490,000	7,690,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,415,407	300,923	Wet
Wet	1,650,000	2,650,000	1,400,000	2,690,000	8,390,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,835,407	300,923	Wet
May 1 Forecast													
Dry	1,370,000	2,230,000	1,140,000	2,250,000	6,990,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	5,995,407	300,923	Wet
Average	1,490,000	2,400,000	1,240,000	2,440,000	7,570,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,343,407	300,923	Wet
Wet	1,660,000	2,660,000	1,380,000	2,710,000	8,410,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,847,407	300,923	Wet
May 09 Update													
Dry	1,380,000	2,240,000	1,150,000	2,260,000	7,030,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,019,407	300,923	Wet
Average	1,490,000	2,400,000	1,240,000	2,430,000	7,560,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,337,407	300,923	Wet
Wet	1,650,000	2,640,000	1,360,000	2,670,000	8,320,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,793,407	300,923	Wet
May 16 Update													
Dry	1,390,000	2,230,000	1,150,000	2,270,000	7,040,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,025,407	300,923	Wet
Average	1,490,000	2,390,000	1,240,000	2,420,000	7,540,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,325,407	300,923	Wet
Wet	1,630,000	2,620,000	1,350,000	2,640,000	8,240,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,745,407	300,923	Wet
May 23 Update													
Dry	1,370,000	2,230,000	1,130,000	2,290,000	7,020,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,013,407	300,923	Wet
Average	1,450,000	2,380,000	1,210,000	2,420,000	7,460,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,277,407	300,923	Wet
Wet	1,580,000	2,590,000	1,300,000	2,610,000	8,080,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,649,407	300,923	Wet
May 30 Update													
Dry	1,370,000	2,220,000	1,160,000	2,240,000	6,990,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	5,995,407	300,923	Wet
Average	1,440,000	2,360,000	1,230,000	2,360,000	7,390,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,235,407	300,923	Wet
Wet	1,560,000	2,550,000	1,310,000	2,530,000	7,950,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,571,407	300,923	Wet
Jun 06 Update													
Dry	1,340,000	2,170,000	1,130,000	2,290,000	6,930,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	5,959,407	300,923	Wet
Average	1,400,000	2,300,000	1,200,000	2,400,000	7,300,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,181,407	300,923	Wet
Wet	1,510,000	2,480,000	1,280,000	2,560,000	7,830,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,499,407	300,923	Wet
Jun 13 Update													
Dry	1,310,000	2,170,000	1,130,000	2,380,000	6,990,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	5,995,407	300,923	Wet
Average	1,370,000	2,300,000	1,200,000	2,520,000	7,390,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,235,407	300,923	Wet
Wet	1,480,000	2,470,000	1,280,000	2,680,000	7,910,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,547,407	300,923	Wet
Jun 20 Update													
Dry	1,340,000	2,350,000	1,180,000	2,560,000	7,430,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,259,407	300,923	Wet
Average	1,400,000	2,480,000	1,250,000	2,700,000	7,830,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,499,407	300,923	Wet
Wet	1,500,000	2,640,000	1,320,000	2,850,000	8,310,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,787,407	300,923	Wet
Jun 27 Update													
Dry	1,360,000	2,340,000	1,180,000	2,560,000	7,440,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,265,407	300,923	Wet
Average	1,410,000	2,460,000	1,240,000	2,690,000	7,800,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,481,407	300,923	Wet
Wet	1,500,000	2,610,000	1,310,000	2,830,000	8,250,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,751,407	300,923	Wet
Jul 04 Update													
Dry	1,360,000	2,400,000	1,220,000	2,590,000	7,570,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,343,407	300,923	Wet
Average	1,410,000	2,470,000	1,250,000	2,690,000	7,820,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,493,407	300,923	Wet
Wet	1,500,000	2,610,000	1,310,000	2,830,000	8,250,000	1,571,000	2,277,000	1,222,000	1,585,000	6,655,000	6,751,407	300,923	Wet

Tuolumne River Flow Schedule
Based on DWR Preliminary Values, 60-20-20 Index for 2017, Hydrologic Conditions
Schedule For 2017-2018 Fish Flow Year

DATE		Number of	BASE FLOW 1			PULSE FLOW 2			INTERPOLATION FLOW			Other Adjusted Flow			TOTAL FERC FLOW		Agreed Upon
					ACCUM.			ACCUM.			ACCUM.			ACCUM.		ACCUM.1	
From:	To:	DAYS	CFS	AF	A.F.	CFS	AF	A.F.	CFS	AF	A.F.	CFS	AF	A.F.	CFS	A.F.	
15-Apr-2017	27-Apr-2017	13	300	7,736	7,736	0	0	0	0	0	0	0	0	0	300	7,736	1
28-Apr-2017	28-Apr-2017	1	300	595	8,331	310	615	615	0	0	0	0	0	0	610	8,946	1
29-Apr-2017	29-Apr-2017	1	300	595	8,926	810	1,606	2,221	0	0	0	0	0	0	1,110	11,146	1
30-Apr-2017	30-Apr-2017	1	300	595	9,521	2,392	4,745	6,966	0	0	0	0	0	0	2,692	16,487	1
01-May-2017	01-May-2017	1	300	595	10,116	1,590	3,154	10,120	0	0	0	0	0	0	1,890	20,236	1
02-May-2017	02-May-2017	1	300	595	10,711	1,055	2,092	12,212	0	0	0	0	0	0	1,355	22,923	1
03-May-2017	03-May-2017	1	300	595	11,306	591	1,172	13,384	0	0	0	0	0	0	891	24,690	1
04-May-2017	04-May-2017	1	300	595	11,901	345	684	14,068	0	0	0	0	0	0	645	25,969	1
05-May-2017	05-May-2017	1	300	595	12,496	339	672	14,740	0	0	0	0	0	0	639	27,236	1
06-May-2017	06-May-2017	1	300	595	13,091	342	678	15,418	0	0	0	0	0	0	642	28,509	1
07-May-2017	07-May-2017	1	300	595	13,686	1,384	2,744	18,162	0	0	0	0	0	0	1,684	31,848	1
08-May-2017	08-May-2017	1	300	595	14,281	1,051	2,084	20,247	0	0	0	0	0	0	1,351	34,528	1
09-May-2017	09-May-2017	1	300	595	14,876	570	1,130	21,376	0	0	0	0	0	0	870	36,252	1
10-May-2017	10-May-2017	1	300	595	15,471	539	1,069	22,445	0	0	0	0	0	0	839	37,916	1
11-May-2017	11-May-2017	1	300	595	16,066	357	709	23,154	0	0	0	0	0	0	657	39,220	1
12-May-2017	12-May-2017	1	300	595	16,661	1,220	2,420	25,574	0	0	0	0	0	0	1,520	42,235	1
13-May-2017	13-May-2017	1	300	595	17,256	2,993	5,937	31,511	0	0	0	0	0	0	3,293	48,767	1
14-May-2017	14-May-2017	1	300	595	17,851	1,782	3,536	35,047	0	0	0	0	0	0	2,082	52,898	1
15-May-2017	15-May-2017	1	300	595	18,446	1,070	2,121	37,168	0	0	0	0	0	0	1,370	55,614	1
16-May-2017	16-May-2017	1	300	595	19,041	849	1,684	38,852	0	0	0	0	0	0	1,149	57,894	1
17-May-2017	17-May-2017	1	300	595	19,636	557	1,106	39,958	0	0	0	0	0	0	857	59,595	1
18-May-2017	18-May-2017	1	300	595	20,231	539	1,069	41,027	0	0	0	0	0	0	839	61,258	1
19-May-2017	19-May-2017	1	300	595	20,826	544	1,079	42,106	0	0	0	0	0	0	844	62,932	1
20-May-2017	20-May-2017	1	300	595	21,421	1,039	2,061	44,167	0	0	0	0	0	0	1,339	65,588	1
21-May-2017	21-May-2017	1	300	595	22,017	1,999	3,964	48,131	0	0	0	0	0	0	2,299	70,147	1
22-May-2017	22-May-2017	1	300	595	22,612	1,306	2,590	50,721	0	0	0	0	0	0	1,606	73,332	1
23-May-2017	23-May-2017	1	300	595	23,207	856	1,698	52,418	0	0	0	0	0	0	1,156	75,625	1
24-May-2017	24-May-2017	1	300	595	23,802	411	816	53,234	0	0	0	0	0	0	711	77,036	1
25-May-2017	25-May-2017	1	300	595	24,397	293	581	53,815	0	0	0	0	0	0	593	78,212	1
26-May-2017	26-May-2017	1	300	595	24,992	385	763	54,578	0	0	0	0	0	0	685	79,570	1
27-May-2017	27-May-2017	1	300	595	25,587	389	771	55,349	0	0	0	0	0	0	689	80,936	1
28-May-2017	28-May-2017	1	300	595	26,182	532	1,056	56,405	0	0	0	0	0	0	832	82,587	1
29-May-2017	29-May-2017	1	300	595	26,777	1,013	2,009	58,414	0	0	0	0	0	0	1,313	85,191	1
30-May-2017	30-May-2017	1	300	595	27,372	1,528	3,031	61,446	0	0	0	0	0	0	1,828	88,818	1
31-May-2017	31-May-2017	1	300	595	27,967	1,395	2,767	64,213	0	0	0	0	0	0	1,695	92,180	1
01-Jun-2017	01-Jun-2017	1	250	496	28,463	1,259	2,498	66,711	0	0	0	0	0	0	1,509	95,173	1
02-Jun-2017	02-Jun-2017	1	250	496	28,959	1,137	2,256	68,966	0	0	0	0	0	0	1,387	97,925	1
03-Jun-2017	03-Jun-2017	1	250	496	29,455	1,027	2,038	71,004	0	0	0	0	0	0	1,277	100,459	1
04-Jun-2017	04-Jun-2017	1	250	496	29,950	929	1,842	72,846	0	0	0	0	0	0	1,179	102,797	1
05-Jun-2017	05-Jun-2017	1	250	496	30,446	840	1,665	74,511	0	0	0	0	0	0	1,090	104,958	1
06-Jun-2017	06-Jun-2017	1	250	496	30,942	760	1,506	76,018	0	0	0	0	0	0	1,010	106,960	1
07-Jun-2017	07-Jun-2017	1	250	496	31,438	687	1,364	77,381	0	0	0	0	0	0	937	108,819	1
08-Jun-2017	08-Jun-2017	1	250	496	31,934	623	1,235	78,616	0	0	0	0	0	0	873	110,550	1
09-Jun-2017	09-Jun-2017	1	250	496	32,430	564	1,119	79,735	0	0	0	0	0	0	814	112,165	1
10-Jun-2017	10-Jun-2017	1	250	496	32,926	512	1,015	80,750	0	0	0	0	0	0	762	113,676	1
11-Jun-2017	11-Jun-2017	1	250	496	33,421	464	921	81,671	0	0	0	0	0	0	714	115,093	1
12-Jun-2017	12-Jun-2017	1	250	496	33,917	422	837	82,508	0	0	0	0	0	0	672	116,425	1
13-Jun-2017	13-Jun-2017	1	250	496	34,413	383	761	83,268	0	0	0	0	0	0	633	117,682	1
14-Jun-2017	14-Jun-2017	1	250	496	34,909	349	692	83,961	0	0	0	0	0	0	599	118,870	1
15-Jun-2017	15-Jun-2017	1	250	496	35,405	318	631	84,591	0	0	0	0	0	0	568	119,996	1
16-Jun-2017	16-Jun-2017	1	250	496	35,901	290	575	85,167	0	0	0	0	0	0	540	121,068	1
17-Jun-2017	17-Jun-2017	1	250	496	36,397	265	525	85,692	0	0	0	0	0	0	515	122,089	1
18-Jun-2017	18-Jun-2017	1	250	496	36,893	242	481	86,173	0	0	0	0	0	0	492	123,065	1
19-Jun-2017	19-Jun-2017	1	250	496	37,388	222	440	86,613	0	0	0	0	0	0	472	124,001	1
20-Jun-2017	20-Jun-2017	1	250	496	37,884	204	404	87,017	0	0	0	0	0	0	454	124,901	1
21-Jun-2017	21-Jun-2017	1	250	496	38,380	187	371	87,388	0	0	0	0	0	0	437	125,768	1
22-Jun-2017	22-Jun-2017	1	250	496	38,876	172	342	87,730	0	0	0	0	0	0	422	126,606	1
23-Jun-2017	23-Jun-2017	1	250	496	39,372	159	315	88,045	0	0	0	0	0	0	409	127,417	1
24-Jun-2017	24-Jun-2017	1	250	496	39,868	147	291	88,337	0	0	0	0	0	0	397	128,204	1
25-Jun-2017	25-Jun-2017	1	250	496	40,364	136	270	88,607	0	0	0	0	0	0	386	128,970	1
26-Jun-2017	26-Jun-2017	1	250	496	40,860	126	251	88,857	0	0	0	0	0	0	376	129,717	1
27-Jun-2017	27-Jun-2017	1	250	496	41,355	118	233	89,090	0	0	0	0	0	0	368	130,446	1
28-Jun-2017	28-Jun-2017	1	250	496	41,851	110	218	89,308	0	0	0	0	0	0	360	131,159	1
29-Jun-2017	29-Jun-2017	1	250	496	42,347	103	204	89,512	0	0	0	0	0	0	353	131,859	1
30-Jun-2017	30-Jun-2017	1	250	496	42,843	96	191	89,703	0	0	0	0	0	0	346	132,545	1
01-Jul-2017	01-Jul-2017	1	250	496	43,339	90	179	89,882	0	0	0	0	0	0	340	133,221	1
02-Jul-2017	31-Jul-2017	30	250	14,876	58,215	0	0	89,882	0	0	0	0	0	0	250	148,097	1
01-Aug-2017	31-Aug-2017	31	250	15,372	73,587	0	0	89,882	0	0	0	0	0	0	250	163,469	1
01-Sep-2017	30-Sep-2017	30	250	14,876	88,463	0	0	89,882	0	0	0	0	0	0	250	178,345	1
01-Oct-2017	01-Oct-2017	1	300	595	89,058	600	1,190	91,072	0	0	0	0	0	0	900	180,130	0
02-Oct-2017	02-Oct-2017	1	300	595	89,653	600	1,190	92,262	0	0	0	0	0	0	900	181,915	0
03-Oct-2017	03-Oct-2017	1	300	595	90,248	600	1,190	93,452	0	0	0	0	0	0	900	183,700	0
04-Oct-2017	04-Oct-2017	1	300	595	90,843	600	1,190	94,642	0	0	0	0	0	0	900	185,485	0
05-Oct-2017	05-Oct-2017	1	300	595	91,438	600	1,190	95,832	0	0	0	0	0	0	900	187,270	0
06-Oct-2017	06-Oct-2017	1	300	595	92,033	0	0	95,832	0	0	0	0	0	0	300	187,865	0
07-Oct-2017	07-Oct-2017	1	300	595	92,628	0	0	95,832	0	0	0	0	0	0	300	188,460	0
08-Oct-2017	08-Oct-2017	1	300	595	93,223	0	0	95,832	0	0	0	0	0	0	300	189,055	0
09-Oct-2017	09-Oct-2017	1	300	595	93,818	0	0	95,832	0	0	0	0	0	0	300	189,650	0
10-Oct-2017	10-Oct-2017	1	300	595	94,413	0	0	95,832	0	0	0	0	0	0	300	190,245	0
11-Oct-2017	11-Oct-2017	1	300	595	95,008	0	0	95,832	0	0	0	0	0	0	300	190,840	0
12-Oct-2017	12-Oct-2017	1	300	595	95,603	0	0	95,832	0	0	0	0	0	0	300	191,435	0
13-Oct-2017	13-Oct-2017	1	300	595	96,198	0	0	95,832	0	0	0	0	0	0	300	192,030	0
14-Oct-2017	14-Oct-2017	1	300	595	96,793	0	0	95,832	0	0	0	0	0	0	300	192,625	0
15-Oct-2017	15-Oct-2017	1	300	595	97,388	0	0	95,832	0	0	0	0	0	0	300	193,220	0
16-Oct-2017	16-Oct-2017	1	300	595	97,983	0	0	95,832	0	0	0	0	0	0	300	193,815	0
17-Oct-2017	17-Oct-2017	1	300	595	98,579	0	0	95,832	0	0	0	0	0	0	300	194,411	0
18-Oct-2017	18-Oct-2017	1	300	595	99,174	0	0	95,832	0	0	0	0	0	0	300	195,006	0
19-Oct-2017	19-Oct-2017	1	300	595	99,769	0	0	95,832	0	0	0	0	0	0	300	195,601	0
20-Oct-2017	31-Oct-2017	12	300	7,140	106,909	0	0	95,832	0	0	0	0	0	0	300	202,741	0
01-Nov-2017	30-Nov-2017	30	300	17,851	124,760	0	0	95,832	0	0	0	0	0	0	300	220,592	0
01-Dec-2017	31-Dec-2017	31	300	18,446	143,207	0	0	95,832	0	0	0	0	0	0	300	239,039	0
01-Jan-2018	31-Jan-2018	31	300	18,446	161,653	0	0	95,832	0	0	0	0	0	0	300	257,485	0
01-Feb-2018	28-Feb-2018	28	300	16,661	178,314	0	0	95,832	0	0	0	0	0	0	300	274,146	0
01-Mar-2018	31-Mar-2018	31	300	18,446	196,760	0	0	95,832	0	0	0	0	0	0	300	292,592	0
01-Apr-2018	14-Apr-2018	14	300	8,331	205,091	0	0	95,832	0	0	0	0	0	0	300	300,923	0
No. of days		365															

1 cfs day = 1.983471 acre-feet (af)

1. Total accumulation amount pertains to 2017-2018 Fish Year only.
2. The pulse flows are a target that represents a daily average.


Don Pedro Reservoir
Elevation (Feet)
Release in CFS
833
832
831
830
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9/24/2017
9/26/2017
9/28/2017
9/30/2017
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10/8/2017
10/10/2017
10/12/2017
10/14/2017
10/16/2017
10/18/2017
10/20/2017
10/22/2017
10/24/2017
10/26/2017
10/28/2017
10/30/2017
11/1/2017
DP Elevation
DP Flood Ctl Elev
DP Release
River