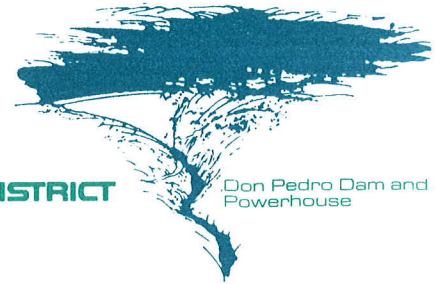


TURLOCK IRRIGATION DISTRICT
333 EAST CANAL DRIVE
POST OFFICE BOX 949
TURLOCK, CALIFORNIA 95381
(209) 883-8300



May 5, 2009

VIA E-MAIL

Tim Heyne
California Dept. of Fish and Game
P.O. Box 10
La Grange, CA 95329

Deborah Giglio
U.S. Fish and Wildlife Service
2800 Cottage Way, W-2605
Sacramento, CA 95825

RE: Project 2299 – Minimum Flow Coordination Process for 2009-2010 Fish Flow Year

Dear Fishery Agency Representatives:

The following information is presented to:

1. provide a chronological reference of the recent coordination actions regarding flow schedule development for the 2009-2010 Fish Flow Year;
2. document the agreed upon flow schedule being currently implemented; and
3. provide the latest DWR runoff projections and corresponding flow volume estimates.

Item 1:

- Our letter of March 25, 2009 provided preliminary information and two example flow schedules for the 2009-2010 fish flow year based on the March 17 DWR San Joaquin Basin 60-20-20 runoff forecast update.
- TID has continued tracking the DWR forecasts and providing your agencies with corresponding flow volume information in e-mails sent on March 31 and April 9.
- Mr. Heyne provided a draft flow schedule on April 10.
- Conference calls were held with your agencies and other VAMP parties on April 13 and April 15 to discuss flow allocations and flow schedule coordination in the basin.
- Mr. Heyne provided a revised flow schedule on April 15. TID confirmed on April 16 that schedule would be implemented.

Item 2:

Table 1 is the current flow schedule based on an annual volume of 151,222 AF.

Item 3:

Table 2 has the Feb-Apr DWR forecasts and corresponding annual volumes, including the April 14, 21, and 28 updates. The 50% and 10% forecasts have decreased since the April 1 forecast, with the latest 50% volume being about the same as in the current schedule and corresponding to an Article 37 Intermediate Dry-Below Normal year type.

As in the last two years, the final flow volume will not be known until August and TID will continue to provide forecast updates. DWR will next be issuing their May 1 forecast by about May 8.

Tim Heyne, CDFG
Deborah Giglio, USFWS
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TID appreciates the collective efforts on input and achieving consensus on the flow schedule. If you have any questions, please contact Wes Monier at 209-883-8321.

Sincerely,



Robert M. Nees
Director of Water Resources and Regulatory Affairs

C: Larry Weis - TID
Allen Short – MID
Michael Carlin - CCSF
Roger Guinee - USFWS
Maria Rea – NMFS
FERC Secretary

TABLE 1
Tuolumne River Flow Schedule
SCHEDULE FOR 2009 - 2010 Fish Flow Year

DATE		Number of DAYS	Flow			Pulse Flows			Flow for Average			Other Adjusted Flow			Total FERC Flow	
			CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	ACCUM. A.F.
15-Apr-2009	15-Apr-2009	1	180	357	357	0	0	0	0	0	0	0	0	0	180	357
16-Apr-2009	16-Apr-2009	1	180	357	714	10	20	20	0	0	0	0	0	0	190	734
17-Apr-2009	17-Apr-2009	1	180	357	1,071	80	159	179	0	0	0	0	0	0	260	1,250
18-Apr-2009	18-Apr-2009	1	180	357	1,428	210	417	595	0	0	0	0	0	0	390	2,023
19-Apr-2009	19-Apr-2009	1	180	357	1,785	350	694	1,289	100	198	198	0	0	0	630	3,273
20-Apr-2009	20-Apr-2009	1	180	357	2,142	360	714	2,003	100	198	397	0	0	0	640	4,542
21-Apr-2009	21-Apr-2009	1	180	357	2,499	360	714	2,717	100	198	595	0	0	0	640	5,812
22-Apr-2009	22-Apr-2009	1	180	357	2,856	360	714	3,431	100	198	793	0	0	0	640	7,081
23-Apr-2009	23-Apr-2009	1	180	357	3,213	360	714	4,145	100	198	992	0	0	0	640	8,350
24-Apr-2009	24-Apr-2009	1	180	357	3,570	360	714	4,860	100	198	1,190	0	0	0	640	9,620
25-Apr-2009	25-Apr-2009	1	180	357	3,927	360	714	5,574	100	198	1,388	0	0	0	640	10,889
26-Apr-2009	26-Apr-2009	1	180	357	4,284	360	714	6,288	100	198	1,587	0	0	0	640	12,159
27-Apr-2009	27-Apr-2009	1	180	357	4,641	360	714	7,002	100	198	1,785	0	0	0	640	13,428
28-Apr-2009	28-Apr-2009	1	180	357	4,998	180	357	7,359	100	198	1,983	0	0	0	460	14,340
29-Apr-2009	29-Apr-2009	1	180	357	5,355	180	357	7,716	100	198	2,182	0	0	0	460	15,253
30-Apr-2009	30-Apr-2009	1	180	357	5,712	180	357	8,073	100	198	2,380	0	0	0	460	16,165
01-May-2009	01-May-2009	1	180	357	6,069	180	357	8,430	100	198	2,579	0	0	0	460	17,078
02-May-2009	02-May-2009	1	180	357	6,426	180	357	8,787	100	198	2,777	0	0	0	460	17,990
03-May-2009	03-May-2009	1	180	357	6,783	180	357	9,144	100	198	2,975	0	0	0	460	18,902
04-May-2009	04-May-2009	1	180	357	7,140	180	357	9,501	100	198	3,174	0	0	0	460	19,815
05-May-2009	05-May-2009	1	180	357	7,498	300	595	10,096	100	198	3,372	0	0	0	580	20,965
06-May-2009	06-May-2009	1	180	357	7,855	500	992	11,088	100	198	3,570	0	0	0	780	22,512
07-May-2009	07-May-2009	1	180	357	8,212	700	1,388	12,476	0	0	3,570	0	0	0	880	24,528
08-May-2009	08-May-2009	1	180	357	8,569	700	1,388	13,864	0	0	3,570	0	0	0	880	26,003
09-May-2009	09-May-2009	1	180	357	8,926	750	1,488	15,352	0	0	3,570	0	0	0	930	27,848
10-May-2009	10-May-2009	1	180	357	9,283	750	1,488	16,840	0	0	3,570	0	0	0	930	29,693
11-May-2009	11-May-2009	1	180	357	9,640	750	1,488	18,327	0	0	3,570	0	0	0	930	31,537
12-May-2009	12-May-2009	1	180	357	9,997	750	1,488	19,815	0	0	3,570	0	0	0	930	33,382
13-May-2009	13-May-2009	1	180	357	10,354	750	1,488	21,302	0	0	3,570	0	0	0	930	35,226
14-May-2009	14-May-2009	1	180	357	10,711	750	1,488	22,790	0	0	3,570	0	0	0	930	37,071
15-May-2009	15-May-2009	1	180	357	11,068	750	1,488	24,278	0	0	3,570	0	0	0	930	38,916
16-May-2009	16-May-2009	1	180	357	11,425	750	1,488	25,765	0	0	3,570	0	0	0	930	40,760
17-May-2009	17-May-2009	1	180	357	11,782	750	1,488	27,253	0	0	3,570	0	0	0	930	42,605
18-May-2009	18-May-2009	1	180	357	12,139	700	1,388	28,641	0	0	3,570	0	0	0	880	44,350
19-May-2009	19-May-2009	1	180	357	12,496	700	1,388	30,030	0	0	3,570	0	0	0	880	46,096
20-May-2009	20-May-2009	1	180	357	12,853	650	1,289	31,319	0	0	3,570	0	0	0	830	47,742
21-May-2009	21-May-2009	1	180	357	13,210	500	992	32,311	0	0	3,570	0	0	0	680	49,091
22-May-2009	22-May-2009	1	180	357	13,567	400	793	33,104	0	0	3,570	0	0	0	580	50,241
23-May-2009	23-May-2009	1	180	357	13,924	300	595	33,699	0	0	3,570	0	0	0	480	51,193
24-May-2009	24-May-2009	1	180	357	14,281	300	595	34,294	0	0	3,570	0	0	0	480	52,145
25-May-2009	25-May-2009	1	180	357	14,638	200	397	34,691	0	0	3,570	0	0	0	380	52,899
26-May-2009	26-May-2009	1	180	357	14,995	200	397	35,088	0	0	3,570	0	0	0	380	53,653
27-May-2009	27-May-2009	1	180	357	15,352	200	397	35,484	0	0	3,570	0	0	0	380	54,407
28-May-2009	28-May-2009	1	180	357	15,709	125	248	35,732	0	0	3,570	0	0	0	305	55,012
29-May-2009	29-May-2009	1	180	357	16,066	125	248	35,980	0	0	3,570	0	0	0	305	55,617
30-May-2009	30-May-2009	1	180	357	16,423	85	169	36,149	0	0	3,570	0	0	0	265	56,142
31-May-2009	31-May-2009	1	180	357	16,780	85	169	36,317	0	0	3,570	0	0	0	265	56,668
01-Jun-2009	01-Jun-2009	1	75	149	16,929	0	0	36,317	190	377	3,947	0	0	0	265	57,193
02-Jun-2009	02-Jun-2009	1	75	149	17,078	0	0	36,317	190	377	4,324	0	0	0	265	57,719
03-Jun-2009	07-Jun-2009	5	75	744	17,821	0	0	36,317	135	1,339	5,663	0	0	0	210	59,802
08-Jun-2009	15-Jun-2009	8	75	1,190	19,012	0	0	36,317	30	476	6,139	0	0	0	105	61,468
16-Jun-2009	30-Jun-2009	15	75	2,231	21,243	0	0	36,317	0	0	6,139	0	0	0	75	63,699
01-Jul-2009	31-Jul-2009	31	75	4,612	25,855	0	0	36,317	0	0	6,139	0	0	0	75	68,311
01-Aug-2009	31-Aug-2009	31	75	4,612	30,466	0	0	36,317	0	0	6,139	0	0	0	75	72,922
01-Sep-2009	10-Sep-2009	10	75	1,488	31,954	0	0	36,317	20	397	6,536	0	0	0	95	74,807
11-Sep-2009	13-Sep-2009	3	75	446	32,400	0	0	36,317	20	119	6,655	0	0	0	95	75,372
14-Sep-2009	30-Sep-2009	17	75	2,529	34,929	0	0	36,317	20	674	7,329	0	0	0	95	78,575
01-Oct-2009	01-Oct-2009	1	180	357	35,286	0	0	36,317	20	40	7,369	0	0	0	200	78,972
02-Oct-2009	07-Oct-2009	6	180	2,142	37,428	0	0	36,317	20	238	7,607	0	0	0	200	81,352
08-Oct-2009	13-Oct-2009	6	180	2,142	39,570	0	0	36,317	20	238	7,845	0	0	0	200	83,732
14-Oct-2009	19-Oct-2009	6	180	2,142	41,712	141	1,678	37,995	20	238	8,083	0	0	0	341	87,790
20-Oct-2009	25-Oct-2009	6	180	2,142	43,855	0	0	37,995	20	238	8,321	0	0	0	200	90,171
26-Oct-2009	26-Oct-2009	1	180	357	44,212	0	0	37,995	0	0	8,321	0	0	0	180	90,528
27-Oct-2009	31-Oct-2009	5	180	1,785	45,997	0	0	37,995	0	0	8,321	0	0	0	180	92,313
01-Nov-2009	16-Nov-2009	16	180	5,712	51,709	0	0	37,995	0	0	8,321	0	0	0	180	98,025
17-Nov-2009	30-Nov-2009	14	180	4,998	56,707	0	0	37,995	0	0	8,321	0	0	0	180	103,023
01-Dec-2009	31-Dec-2009	31	180	11,068	67,775	0	0	37,995	0	0	8,321	0	0	0	180	114,091
01-Jan-2010	31-Jan-2010	31	180	11,068	78,843	0	0	37,995	0	0	8,321	0	0	0	180	125,159
01-Feb-2010	28-Feb-2010	28	180	9,997	88,840	0	0	37,995	0	0	8,321	0	0	0	180	135,156
01-Mar-2010	31-Mar-2010	31	180	11,068	99,907	0	0	37,995	0	0	8,321	0	0	0	180	146,223
01-Apr-2010	14-Apr-2010	14	180	4,998	104,906	0	0	37,995	0	0	8,321	0	0	0	180	151,222
No. of days			365 (April 15 through April 14)												Total =	
															151,222	

1 cfs day = 1.983471 acre-feet (af)

Note: 1. Based on 60-20-20 Index

2. The pulse flows are a target that represents a daily average.

Table 2

SAN JOAQUIN VALLEY WATER YEAR HYDROLOGIC CLASSIFICATION 602020 INDEX

YEAR	APRIL-JULY RUNOFF (AF)				OCTOBER-MARCH RUNOFF (AF)				TOTAL	602020 INDEX	TUOLUMNE RIVER		San Joaquin Index (not the FERC Index)	RANKING
	TUOLUMNE	MERCED	STANISLAUS	FRIANT	TUOLUMNE	MERCED	STANISLAUS	FRIANT			MINIMUM FLOW REQUIREMENT			
Feb 1 Forecast														
Dry	200,000	180,000	400,000	1,180,000	150,000	305,000	130,000	210,000	795,000	1,279,899	94,000	Critical		
Average	500,000	430,000	910,000	2,730,000	270,000	470,000	340,000	340,000	1,300,000	2,310,899	136,214	Dry		
Wet	960,000	900,000	1,730,000	5,270,000	450,000	735,000	380,000	550,000	2,115,000	3,997,899	300,923	Wet		
Feb 10 Update														
Dry	210,000	190,000	430,000	1,250,000	150,000	305,000	130,000	210,000	795,000	1,321,899	94,000	Critical		
Average	490,000	430,000	910,000	2,700,000	270,000	470,000	340,000	340,000	1,300,000	2,292,899	134,989	Dry		
Wet	930,000	850,000	1,660,000	5,050,000	450,000	735,000	380,000	550,000	2,115,000	3,865,899	300,923	Wet		
Feb 17 Update														
Dry	260,000	260,000	530,000	1,590,000	150,000	305,000	130,000	210,000	795,000	1,525,899	104,430	Critical		
Average	520,000	470,000	960,000	2,890,000	270,000	470,000	340,000	340,000	1,300,000	2,406,899	142,782	Dry		
Wet	940,000	850,000	1,650,000	5,070,000	450,000	735,000	380,000	550,000	2,115,000	3,877,899	300,923	Wet		
Feb 24 Update														
Dry	300,000	300,000	580,000	1,780,000	150,000	305,000	130,000	210,000	795,000	1,639,899	107,707	Critical		
Average	540,000	500,000	980,000	2,990,000	270,000	470,000	340,000	340,000	1,300,000	2,466,899	147,359	Dry		
Wet	940,000	840,000	1,620,000	5,010,000	450,000	735,000	380,000	550,000	2,115,000	3,841,899	300,923	Wet		
Mar 1 Forecast														
Dry	350,000	320,000	620,000	1,960,000	230,000	410,000	190,000	285,000	1,115,000	1,811,899	112,652	Critical		
Average	560,000	500,000	980,000	3,020,000	270,000	465,000	225,000	355,000	1,315,000	2,487,899	148,961	Dry		
Wet	950,000	850,000	1,570,000	4,970,000	350,000	570,000	290,000	455,000	1,665,000	3,727,899	300,923	Above Normal		
Mar 10 Update														
Dry	460,000	390,000	750,000	2,470,000	230,000	410,000	190,000	285,000	1,115,000	2,117,899	124,392	Dry		
Average	650,000	550,000	1,060,000	3,410,000	270,000	465,000	225,000	355,000	1,315,000	2,721,899	172,308	Below Normal		
Wet	1,000,000	870,000	1,570,000	5,140,000	350,000	570,000	290,000	455,000	1,665,000	3,829,899	300,923	Wet		
Mar 17 Update														
Dry	480,000	390,000	750,000	2,500,000	230,000	410,000	190,000	285,000	1,115,000	2,135,899	125,253	Dry		
Average	640,000	530,000	1,030,000	3,330,000	270,000	465,000	225,000	355,000	1,315,000	2,673,899	163,149	Below Normal		
Wet	960,000	820,000	1,460,000	4,900,000	350,000	570,000	290,000	455,000	1,665,000	3,685,899	300,923	Above Normal		
Mar 24 Update														
Dry	510,000	410,000	780,000	2,610,000	230,000	410,000	190,000	285,000	1,115,000	2,201,899	128,792	Dry		
Average	650,000	530,000	1,030,000	3,340,000	270,000	465,000	225,000	355,000	1,315,000	2,679,899	163,606	Below Normal		
Wet	940,000	800,000	1,430,000	4,750,000	350,000	570,000	290,000	455,000	1,665,000	3,595,899	300,923	Above Normal		
Apr 1 Forecast														
Dry	500,000	420,000	760,000	2,570,000	340,000	545,000	250,000	375,000	1,510,000	2,256,899	132,537	Dry		
Average	620,000	520,000	960,000	3,180,000	340,000	545,000	250,000	375,000	1,510,000	2,622,899	159,259	Below Normal		
Wet	870,000	760,000	1,300,000	4,400,000	340,000	545,000	250,000	375,000	1,510,000	3,354,899	300,923	Above Normal		
Apr 14 Update														
Dry	510,000	450,000	810,000	2,720,000	340,000	545,000	250,000	375,000	1,510,000	2,346,899	138,666	Dry		
Average	620,000	530,000	980,000	3,220,000	340,000	545,000	250,000	375,000	1,510,000	2,646,899	161,089	Below Normal		
Wet	810,000	710,000	1,250,000	4,150,000	340,000	545,000	250,000	375,000	1,510,000	3,204,899	300,923	Above Normal		
Apr 21 Update														
Dry	500,000	440,000	790,000	2,660,000	340,000	545,000	250,000	375,000	1,510,000	2,310,899	136,214	Dry		
Average	600,000	510,000	950,000	3,110,000	340,000	545,000	250,000	375,000	1,510,000	2,580,899	156,055	Below Normal		
Wet	750,000	660,000	1,180,000	3,880,000	340,000	545,000	250,000	375,000	1,510,000	3,042,899	271,272	Below Normal		
Apr 28 Update														
Dry	490,000	430,000	770,000	2,600,000	340,000	545,000	250,000	375,000	1,510,000	2,274,899	133,763	Dry		
Average	590,000	480,000	920,000	3,020,000	340,000	545,000	250,000	375,000	1,510,000	2,526,899	151,936	Below Normal		
Wet	710,000	610,000	1,110,000	3,840,000	340,000	545,000	250,000	375,000	1,510,000	2,898,899	226,877	Below Normal		