

TURLOCK IRRIGATION DISTRICT

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

Don Pedro Dam and
Powerhouse

September 8, 2008

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: Tuolumne River 2007-2008 FERC Article 37 Flow Schedule for P-2299

Dear Fishery Agency Representatives:

As you know, the final 60-20-20 San Joaquin Basin Index (Index) is not available until August of each year following the end of the April-July runoff period that is part of the calculated Index. When the Index is below average, preliminary annual Article 37 flow volumes prior to August are based upon consideration of both the dry (90%) and average (50%) Index forecasts, which are provided by the Department of Water Resources (DWR). TID this year has again notified the California Department of Fish and Game, the U.S. Fish and Wildlife Service, and the National Marine Fisheries Service on a continuing basis starting in February of 2008 of these DWR forecasts (see Table 1 on the DWR forecasts).

Our letter of June 6, 2008, attached for your reference, contained the latest two flow schedules developed under the Article 37 flow guidelines for the current Fish Flow Year based on the June 03 DWR 90% and 50% forecast update for the Index. Those interim schedules had respectively 115,582 and 123,526 acre-feet of annual volume, representing Median Critical and Intermediate Critical-Dry Article 37 year types. The two schedules were identical for the summer period and provided a range of flows that might be available for the fall/winter period.

On August 20, 2008, TID sent you by e-mail the final Index (2,064,496) and corresponding Article 37 volume (121,838 AF) in a proposed schedule (Table 2). Figure 1 tracks the 90% and 50% volumes as they declined over the course of the season. The schedule included the 380 AF of remaining interpolation water and distributed that on October 21-22, with base flows for the Intermediate Critical-Dry type for the remainder of the fish flow year through April 14, 2009. TID did not receive any alternative suggestions from your agencies for use of the interpolation water by the requested August 27, 2008 date. As a result, the schedule contained in Table 2 will be implemented under the Article 37 flow guidelines.

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
Maria Rea - NMFS
FERC Secretary

Table 1

(FWM)

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 PERC Index)
	STANISLAUS	TUOLUMNE	MERCED	FRANIT	TOTAL	STANISLAUS	TUOLUMNE	MERCED			FRANIT	TOTAL	
Feb 1 Forecast													
Dry	440,000	790,000	400,000	850,000	2,480,000	208,750	297,500	152,750	314,000	973,000	2,074,121	122,298	Critical
Average	670,000	1,180,000	580,000	1,210,000	3,640,000	261,751	399,657	205,643	353,752	1,220,803	2,819,681	197,286	Below Normal
Wet	1,130,000	1,970,000	1,090,000	2,030,000	6,220,000	371,563	593,125	377,063	595,500	1,937,250	4,510,971	300,923	Wet
Feb 12 Update													
Dry	470,000	830,000	420,000	870,000	2,590,000	208,750	297,500	152,750	314,000	973,000	2,140,121	125,454	Dry
Average	680,000	1,170,000	580,000	1,200,000	3,630,000	261,751	399,657	205,643	353,752	1,220,803	2,813,681	195,339	Below Normal
Wet	1,110,000	1,900,000	1,030,000	1,940,000	5,980,000	371,563	593,125	377,063	595,500	1,937,250	4,366,971	300,923	Wet
Feb 21 Update													
Dry	460,000	810,000	400,000	830,000	2,500,000	208,750	297,500	152,750	314,000	973,000	2,086,121	122,872	Critical
Average	650,000	1,120,000	550,000	1,140,000	3,460,000	261,751	399,657	205,643	353,752	1,220,803	2,711,681	164,399	Below Normal
Wet	1,070,000	1,800,000	960,000	1,830,000	5,660,000	371,563	593,125	377,063	595,500	1,937,250	4,174,971	300,923	Wet
Feb 26 Update													
Dry	530,000	960,000	480,000	1,010,000	2,980,000	208,750	297,500	152,750	314,000	973,000	2,374,121	140,520	Dry
Average	710,000	1,240,000	620,000	1,300,000	3,870,000	261,751	399,657	205,643	353,752	1,220,803	2,957,681	242,064	Below Normal
Wet	1,110,000	1,880,000	990,000	1,930,000	5,910,000	371,563	593,125	377,063	595,500	1,937,250	4,324,971	300,923	Wet
Mar 1 Forecast													
Dry	530,000	960,000	470,000	960,000	2,920,000	202,500	351,250	188,750	261,250	1,003,750	2,344,271	138,487	Dry
Average	700,000	1,220,000	610,000	1,240,000	3,770,000	240,558	400,393	212,769	306,060	1,159,780	2,885,477	218,636	Below Normal
Wet	1,090,000	1,840,000	960,000	1,830,000	5,720,000	369,375	530,938	291,563	453,438	1,645,313	4,152,583	300,923	Wet
Mar 11 Update													
Dry	520,000	930,000	450,000	920,000	2,820,000	240,558	400,393	212,769	306,060	1,159,780	2,315,477	136,526	Dry
Average	680,000	1,160,000	580,000	1,170,000	3,590,000	240,558	400,393	212,769	306,060	1,159,780	2,777,477	183,592	Below Normal
Wet	1,020,000	1,710,000	890,000	1,680,000	5,300,000	240,558	400,393	212,769	306,060	1,159,780	3,803,477	300,923	Wet
Mar 18 Update													
Dry	520,000	920,000	440,000	910,000	2,790,000	221,529	375,822	200,760	283,655	1,081,765	2,281,874	134,238	Dry
Average	670,000	1,130,000	560,000	1,140,000	3,500,000	221,529	375,822	200,760	283,655	1,081,765	2,707,874	164,129	Below Normal
Wet	980,000	1,620,000	850,000	1,590,000	5,040,000	221,529	375,822	200,760	283,655	1,081,765	3,631,874	300,923	Above Normal
Mar 25 Update													
Dry	500,000	890,000	420,000	870,000	2,680,000	221,529	375,822	200,760	283,655	1,081,765	2,215,874	129,743	Dry
Average	640,000	1,080,000	530,000	1,080,000	3,330,000	221,529	375,822	200,760	283,655	1,081,765	2,605,874	156,888	Below Normal
Wet	920,000	1,520,000	790,000	1,480,000	4,710,000	221,529	375,822	200,760	283,655	1,081,765	3,433,874	300,923	Above Normal
Apr 01 Forecast													
Dry	450,000	840,000	390,000	830,000	2,510,000	207,940	334,052	171,469	267,895	981,356	2,093,792	123,239	Critical
Average	590,000	1,010,000	490,000	1,040,000	3,130,000	207,940	334,052	171,469	267,895	981,356	2,465,792	146,943	Dry
Wet	840,000	1,400,000	730,000	1,380,000	4,350,000	207,940	334,052	171,469	267,895	981,356	3,197,792	300,923	Above Normal
Apr 08 Update													
Dry	440,000	830,000	380,000	810,000	2,460,000	207,940	334,052	171,469	267,895	981,356	2,063,792	121,804	Critical
Average	570,000	980,000	470,000	1,010,000	3,030,000	207,940	334,052	171,469	267,895	981,356	2,405,792	142,684	Dry
Wet	790,000	1,320,000	680,000	1,310,000	4,100,000	207,940	334,052	171,469	267,895	981,356	3,047,792	271,303	Below Normal
Apr 15 Update													
Dry	430,000	800,000	370,000	780,000	2,380,000	207,940	334,052	171,469	267,895	981,356	2,015,792	119,508	Critical
Average	550,000	940,000	450,000	970,000	2,910,000	207,940	334,052	171,469	267,895	981,356	2,333,792	137,773	Dry
Wet	730,000	1,230,000	630,000	1,230,000	3,820,000	207,940	334,052	171,469	267,895	981,356	2,879,792	216,791	Below Normal
Apr 22 Update													
Dry	420,000	790,000	360,000	760,000	2,330,000	207,940	334,052	171,469	267,895	981,356	1,985,792	118,073	Critical
Average	530,000	910,000	430,000	940,000	2,810,000	207,940	334,052	171,469	267,895	981,356	2,273,792	133,688	Dry
Wet	680,000	1,150,000	580,000	1,160,000	3,570,000	207,940	334,052	171,469	267,895	981,356	2,729,792	168,119	Below Normal
May 01 Forecast													
Dry	410,000	770,000	340,000	730,000	2,250,000	207,940	334,052	171,469	267,895	981,356	1,937,792	116,272	Critical
Average	500,000	870,000	400,000	880,000	2,650,000	207,940	334,052	171,469	267,895	981,356	2,177,792	127,256	Dry
Wet	600,000	1,040,000	510,000	1,050,000	3,200,000	207,940	334,052	171,469	267,895	981,356	2,507,792	149,925	Below Normal
May 13 Update													

Table 1

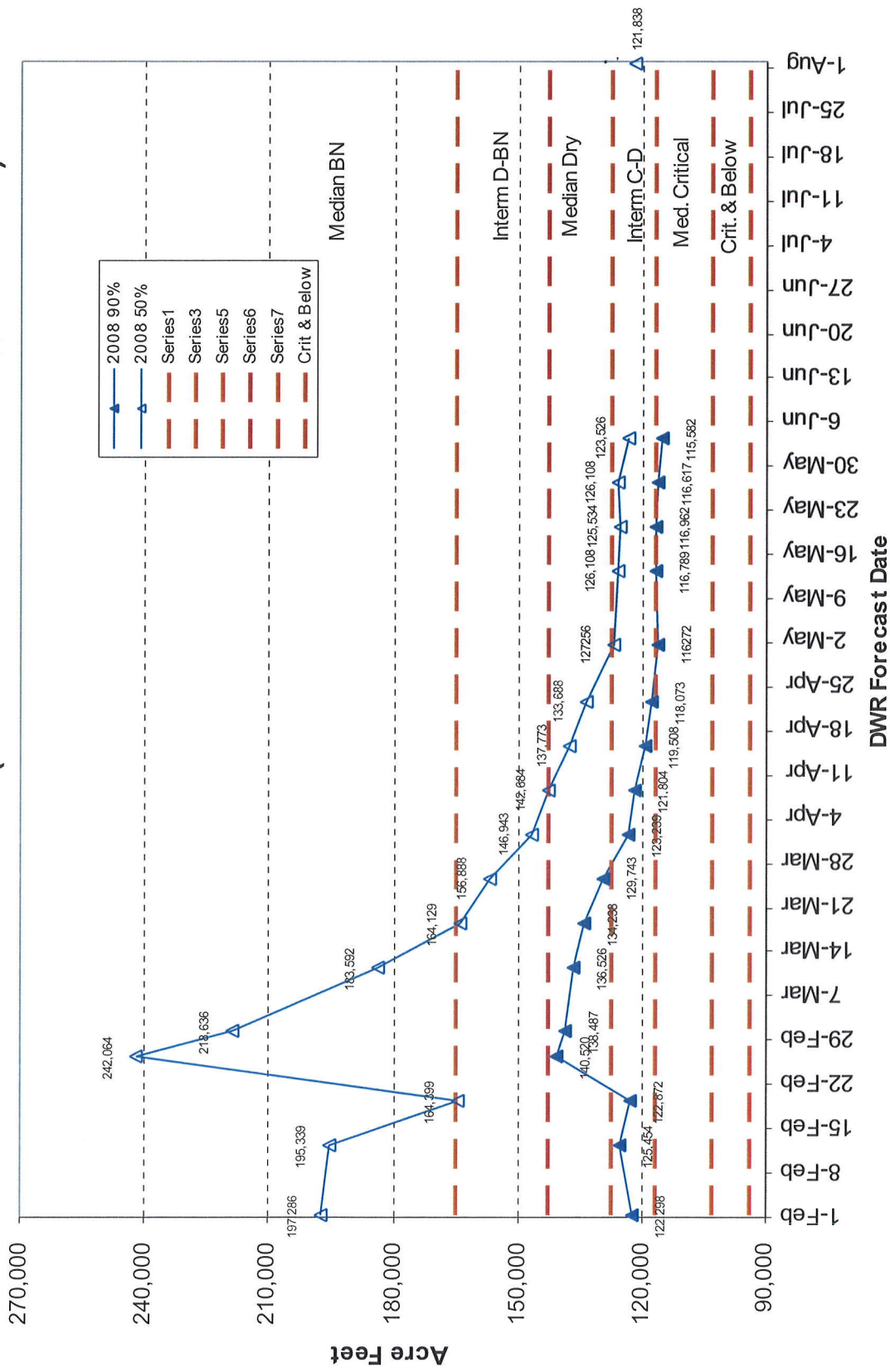
SAN JOAQUIN VALLEY WATER YEAR HYDROLOGIC CLASSIFICATION
602020 INDEX

002020 INDEX										San Joaquin Index (not the FERC Index)		RANKING
YEAR	APRIL-JULY RUNOFF (AF)				OCTOBER-MARCH RUNOFF (AF)				TOTAL	602020 INDEX	TUOLUMNE RIVER	
	STANISLAUS	TUOLUMNE	MERCED	FRIANT	STANISLAUS	TUOLUMNE	MERCED	FRIANT			MINIMUM FLOW REQUIREMENT	
Dry	420,000	770,000	350,000	740,000	207,940	334,052	171,469	267,895	981,356	1,955,792	116,789	Critical
Average	490,000	850,000	400,000	870,000	207,940	334,052	171,469	267,895	981,356	2,153,792	126,108	Dry
Wet	570,000	990,000	480,000	1,010,000	207,940	334,052	171,469	267,895	981,356	2,417,792	143,536	Dry
May 20 Update												
Dry	420,000	770,000	350,000	750,000	207,940	334,052	171,469	267,895	981,356	1,961,792	116,962	Critical
Average	480,000	840,000	400,000	870,000	207,940	334,052	171,469	267,895	981,356	2,141,792	125,534	Dry
Wet	550,000	970,000	470,000	1,000,000	207,940	334,052	171,469	267,895	981,356	2,381,792	141,042	Dry
May 27 Update												
Dry	420,000	750,000	350,000	750,000	207,940	334,052	171,469	267,895	981,356	1,949,792	116,617	Critical
Average	490,000	840,000	400,000	880,000	207,940	334,052	171,469	267,895	981,356	2,153,792	126,108	Dry
Wet	560,000	950,000	470,000	1,010,000	207,940	334,052	171,469	267,895	981,356	2,381,792	141,042	Dry
Jun 03 Update												
Dry	400,000	710,000	360,000	740,000	207,940	334,052	171,469	267,895	981,356	1,913,792	115,562	Critical
Average	450,000	810,000	400,000	860,000	207,940	334,052	171,469	267,895	981,356	2,099,792	123,526	Critical
Wet	510,000	910,000	460,000	980,000	207,940	334,052	171,469	267,895	981,356	2,303,792	135,730	Dry
Jun 10 Update												
Dry	410,000	710,000	370,000	750,000	207,940	334,052	171,469	267,895	981,356	1,931,792	116,099	Critical
Average	450,000	810,000	400,000	860,000	207,940	334,052	171,469	267,895	981,356	2,099,792	123,526	Critical
Wet	500,000	910,000	450,000	970,000	207,940	334,052	171,469	267,895	981,356	2,285,792	134,505	Dry
Final	441,300	785,350	409,943	824,581	207,940	334,052	171,469	267,895	981,356	2,064,496	121,838	Critical

TABLE 2
Tuolumne River Flow Schedule
SCHEDULE FOR 2008 - 2009 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-2008	15-Apr-2008	1	150	298	298	0	0	0	0	0	0	0	0	0	150	298
16-Apr-2008	16-Apr-2008	1	150	298	595	0	0	0	0	0	0	0	0	0	150	595
17-Apr-2008	17-Apr-2008	1	150	298	893	0	0	0	0	0	0	0	0	0	150	893
18-Apr-2008	18-Apr-2008	1	150	298	1,190	0	0	0	0	0	0	0	0	0	150	1,190
19-Apr-2008	19-Apr-2008	1	150	298	1,488	0	0	0	0	0	0	0	0	0	150	1,488
20-Apr-2008	20-Apr-2008	1	150	298	1,785	950	1,884	1,884	0	0	0	0	0	0	1,100	3,669
21-Apr-2008	21-Apr-2008	1	150	298	2,083	950	1,884	3,769	0	0	0	0	0	0	1,100	5,851
22-Apr-2008	22-Apr-2008	1	150	298	2,380	950	1,884	5,653	0	0	0	0	0	0	1,100	8,033
23-Apr-2008	23-Apr-2008	1	150	298	2,678	950	1,884	7,537	0	0	0	0	0	0	1,100	10,215
24-Apr-2008	24-Apr-2008	1	150	298	2,975	950	1,884	9,421	0	0	0	0	0	0	1,100	12,397
25-Apr-2008	25-Apr-2008	1	150	298	3,273	750	1,488	10,909	0	0	0	0	0	0	900	14,182
26-Apr-2008	26-Apr-2008	1	150	298	3,570	600	1,190	12,099	0	0	0	0	0	0	750	15,669
27-Apr-2008	27-Apr-2008	1	150	298	3,868	500	992	13,091	0	0	0	0	0	0	650	16,959
28-Apr-2008	28-Apr-2008	1	150	298	4,165	400	793	13,884	0	0	0	0	0	0	550	18,050
29-Apr-2008	29-Apr-2008	1	150	298	4,463	400	793	14,678	0	0	0	0	0	0	550	19,140
30-Apr-2008	30-Apr-2008	1	150	298	4,760	400	793	15,471	0	0	0	0	0	0	550	20,231
01-May-2008	01-May-2008	1	150	298	5,058	400	793	16,264	0	0	0	0	0	0	550	21,322
02-May-2008	02-May-2008	1	150	298	5,355	400	793	17,058	0	0	0	0	0	0	550	22,413
03-May-2008	03-May-2008	1	150	298	5,653	400	793	17,851	0	0	0	0	0	0	550	23,504
04-May-2008	04-May-2008	1	150	298	5,950	400	793	18,645	0	0	0	0	0	0	550	24,595
05-May-2008	05-May-2008	1	150	298	6,248	950	1,884	20,529	0	0	0	0	0	0	1,100	26,777
06-May-2008	06-May-2008	1	150	298	6,545	950	1,884	22,413	0	0	0	0	0	0	1,100	28,959
07-May-2008	07-May-2008	1	150	298	6,843	950	1,884	24,298	0	0	0	0	0	0	1,100	31,140
08-May-2008	08-May-2008	1	150	298	7,140	950	1,884	26,182	0	0	0	0	0	0	1,100	33,322
09-May-2008	09-May-2008	1	150	298	7,438	950	1,884	28,066	0	0	0	0	0	0	1,100	35,504
10-May-2008	10-May-2008	1	150	298	7,736	750	1,488	29,554	0	0	0	0	0	0	900	37,289
11-May-2008	11-May-2008	1	150	298	8,033	600	1,190	30,744	0	0	0	0	0	0	750	38,777
12-May-2008	12-May-2008	1	150	298	8,331	500	992	31,736	0	0	0	0	0	0	650	40,066
13-May-2008	13-May-2008	1	150	298	8,628	400	793	32,529	0	0	0	0	0	0	550	41,157
14-May-2008	14-May-2008	1	150	298	8,926	400	793	33,322	0	0	0	0	0	0	550	42,248
15-May-2008	15-May-2008	1	150	298	9,223	400	793	34,116	0	0	0	0	0	0	550	43,339
16-May-2008	16-May-2008	1	150	298	9,521	400	793	34,909	0	0	0	0	0	0	550	44,430
17-May-2008	17-May-2008	1	150	298	9,818	400	793	35,702	0	0	0	0	0	0	550	45,521
18-May-2008	18-May-2008	1	150	298	10,116	300	595	36,298	0	0	0	0	0	0	450	46,413
19-May-2008	19-May-2008	1	150	298	10,413	200	397	36,694	0	0	0	0	0	0	350	47,107
20-May-2008	20-May-2008	1	150	298	10,711	125	248	36,942	0	0	0	0	0	0	275	47,653
21-May-2008	21-May-2008	1	150	298	11,008	60	119	37,061	0	0	0	0	0	0	210	48,069
22-May-2008	22-May-2008	1	150	298	11,306	0	0	37,061	0	0	0	0	0	0	150	48,367
23-May-2008	23-May-2008	1	150	298	11,603	0	0	37,061	0	0	0	0	0	0	150	48,664
24-May-2008	24-May-2008	1	150	298	11,901	0	0	37,061	0	0	0	0	0	0	150	48,962
25-May-2008	25-May-2008	1	150	298	12,198	0	0	37,061	0	0	0	0	0	0	150	49,260
26-May-2008	26-May-2008	1	150	298	12,496	0	0	37,061	0	0	0	0	0	0	150	49,557
27-May-2008	27-May-2008	1	150	298	12,793	0	0	37,061	0	0	0	0	0	0	150	49,855
28-May-2008	28-May-2008	1	150	298	13,091	0	0	37,061	0	0	0	0	0	0	150	50,152
29-May-2008	29-May-2008	1	150	298	13,388	0	0	37,061	0	0	0	0	0	0	150	50,450
30-May-2008	30-May-2008	1	150	298	13,686	0	0	37,061	0	0	0	0	0	0	150	50,747
31-May-2008	31-May-2008	1	150	298	13,983	0	0	37,061	0	0	0	-35	(69)	(69)	115	50,975
01-Jun-2008	01-Jun-2008	1	50	99	14,083	0	0	37,061	0	0	0	35	69	0	85	51,144
02-Jun-2008	02-Jun-2008	1	50	99	14,182	0	0	37,061	0	0	0	0	0	0	50	51,243
03-Jun-2008	03-Jun-2008	1	50	99	14,281	0	0	37,061	0	0	0	0	0	0	50	51,342
04-Jun-2008	04-Jun-2008	1	50	99	14,380	0	0	37,061	0	0	0	0	0	0	50	51,441
05-Jun-2008	30-Jun-2008	26	50	2,579	16,959	0	0	37,061	0	0	0	0	0	0	50	54,020
01-Jul-2008	31-Jul-2008	31	50	3,074	20,033	0	0	37,061	0	0	0	0	0	0	50	57,094
01-Aug-2008	31-Aug-2008	31	50	3,074	23,107	0	0	37,061	0	0	0	0	0	0	50	60,169
01-Sep-2008	10-Sep-2008	10	50	992	24,099	0	0	37,061	0	0	0	0	0	0	50	61,160
11-Sep-2008	13-Sep-2008	3	50	298	24,397	0	0	37,061	0	0	0	0	0	0	50	61,458
14-Sep-2008	30-Sep-2008	17	50	1,686	26,083	0	0	37,061	0	0	0	0	0	0	50	63,144
01-Oct-2008	05-Oct-2008	5	150	1,488	27,570	0	0	37,061	0	0	0	0	0	0	150	64,631
06-Oct-2008	10-Oct-2008	5	150	1,488	29,058	0	0	37,061	0	0	0	0	0	0	150	66,119
11-Oct-2008	20-Oct-2008	10	150	2,975	32,033	0	0	37,061	0	0	0	0	0	0	150	69,094
21-Oct-2008	22-Oct-2008	2	150	595	32,628	0	0	37,061	96	380	380	0	0	0	246	70,060
23-Oct-2008	23-Oct-2008	1	150	298	32,926	0	0	37,061	0	0	380	0	0	0	150	70,367
24-Oct-2008	24-Oct-2008	1	150	298	33,223	0	0	37,061	0	0	380	0	0	0	150	70,664
25-Oct-2008	31-Oct-2008	7	150	2,083	35,306	0	0	37,061	0	0	380	0	0	0	150	72,747
01-Nov-2008	16-Nov-2008	16	150	4,760	40,066	0	0	37,061	0	0	380	0	0	0	150	77,507
17-Nov-2008	30-Nov-2008	14	150	4,165	44,231	0	0	37,061	0	0	380	0	0	0	150	81,673
01-Dec-2008	31-Dec-2008	31	150	9,223	53,455	0	0	37,061	0	0	380	0	0	0	150	90,896
01-Jan-2009	31-Jan-2009	31	150	9,223	62,678	0	0	37,061	0	0	380	0	0	0	150	100,119
01-Feb-2009	28-Feb-2009	28	150	8,331	71,008	0	0	37,061	0	0	380	0	0	0	150	108,449
01-Mar-2009	31-Mar-2009	31	150	9,223	80,231	0	0	37,061	0	0	380	0	0	0	150	117,673
01-Apr-2009	14-Apr-2009	14	150	4,165	84,397	0	0	37,061	0	0	380	0	0	0	150	121,838
No. of days		365	(April 15 through April 14)												Total =	
															121,838	

2008 FERC Flow Volume (based on DWR 50% & 90% forecasts)



TURLOCK IRRIGATION DISTRICT

333 EAST CANAL DRIVE
POST OFFICE BOX 949
TURLOCK, CALIFORNIA 95381
(209) 883-8300
(via e-mail)

Don Pedro Dam and
Powerhouse

June 6, 2008

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: Tuolumne River Article 37 Flow Schedule for P-2299 and Spring Pulse Flow Operation

Dear Fishery Agency representatives:

Our letter of May 12, 2008 provided the initial schedule implemented for the 2008-2009 Fish Flow Year beginning April 15, based on and pursuant to the 1996 FERC Order, Amended Article 37, for the volume of required stream flows based on the DWR April 15 San Joaquin Basin 60-20-20 Index forecast. That schedule was selected from two proposed versions provided, both of which complied with the requirements of Article 37. The parties agreed to use a spring pulse volume of 37,060 AF, which is based upon the Median Dry year type, or 50% exceedence, instead of the 90%-exceedence volume, which would have been used if agreement had not been reached. TID has since provided your agencies subsequent DWR updates in May that showed the DWR 50% exceedence and 90% exceedence forecasts had declined into drier Article 37 year types of Intermediate Critical-Dry and Median Critical respectively—both of those year types have spring pulse volumes of less than 37,060 AF (Table 1).

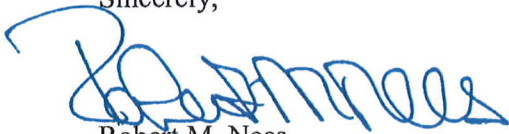
The 60-20-20 San Joaquin Basin Index calculated from the DWR June 3 forecast is 2.099792 MAF for 50% exceedence and 1.913792 MAF for 90% exceedence. The applicable Article 37 basin index thresholds are 1.964000 MAF for 50% exceedence and 1.476000 MAF for 90% exceedence in accordance with our letter of December 6, 2007. The June 3 basin index values correspond to Article 37 annual volumes of 117,016 AF (an Intermediate Critical-Dry year type including 32,619 AF outmigration pulse flow) and 103,000 AF (a Median Critical year type including 20,091 AF outmigration pulse flow) respectively, exclusive of additional water provisionally available based on interpolation. Tables 2 and 3 are flow schedules based on those annual amounts, which in both cases have a 50 cfs summer flow. That base flow under the 50% forecast could be augmented by allocation of some provisional interpolation water as was done in 2007, however, CDFG previously indicated a preference for not doing so. The current 90% forecast would result in a reduction of the fall-winter flows as indicated and previously agreed to, if needed, as a result of allocation of the spring pulse flow.

A tabulation of the Article 37 spring pulse flow and releases for the 2008 Vernalis Adaptive Management Plan (VAMP) flow period (from April 20-May 20 at La Grange) is in Table 4. The Article 37 pulse flow volume of 37,060 AF was released as scheduled and approximately 15,280 AF was released for VAMP supplemental flow as shown.

Tim Heyne, California Dept. of Fish and Game
Deborah Giglio, U.S. Fish and Wildlife Service
June 6, 2008
Page 2

The final annual Fish Flow Year volume will not be available until August after the 60-20-20 basin index is finalized. The present schedules are within the Article 37 framework; however, if there is interest in modifying the current flow schedule for the summer period, 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
Maria Rea - NMFS
FERC Secretary

Table 1

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 FERG Index)
	STANISLAUS	TUOLUMNE	MERGED	FRONT	TUOLUMNE	MERGED	FRONT	MINIMUM FLOW REQUIREMENT			RANKINGS		
Feb 1 Forecast													
Dry	440,000	790,000	400,000	850,000	208,750	297,500	314,000	973,000	2,074,121	122,298	Critical		
Average	670,000	1,180,000	580,000	1,210,000	261,751	399,657	553,732	1,220,803	2,819,681	197,286	Below Normal		
Wet	1,130,000	1,970,000	1,090,000	2,030,000	371,563	593,125	595,500	1,937,250	4,510,971	300,923	Wet		
Feb 12 Update													
Dry	470,000	830,000	420,000	870,000	208,750	297,500	314,000	973,000	2,140,121	125,454	Dry		
Average	680,000	1,170,000	580,000	1,200,000	261,751	399,657	353,752	1,220,803	2,813,681	195,339	Below Normal		
Wet	1,110,000	1,900,000	1,030,000	1,940,000	371,563	593,125	595,500	1,937,250	4,366,971	300,923	Wet		
Feb 21 Update													
Dry	460,000	810,000	400,000	830,000	208,750	297,500	314,000	973,000	2,086,121	122,872	Critical		
Average	650,000	1,120,000	550,000	1,140,000	261,751	399,657	353,752	1,220,803	2,711,681	164,399	Below Normal		
Wet	1,070,000	1,800,000	960,000	1,830,000	371,563	593,125	595,500	1,937,250	4,174,971	300,923	Wet		
Feb 26 Update													
Dry	530,000	960,000	480,000	1,010,000	208,750	297,500	314,000	973,000	2,374,121	140,520	Dry		
Average	710,000	1,240,000	620,000	1,300,000	261,751	399,657	353,752	1,220,803	2,957,681	242,064	Below Normal		
Wet	1,110,000	1,880,000	990,000	1,930,000	371,563	593,125	595,500	1,937,250	4,324,971	300,923	Wet		
Mar 1 Forecast													
Dry	530,000	960,000	470,000	960,000	202,500	351,250	261,250	1,003,750	2,344,271	138,487	Dry		
Average	700,000	1,220,000	610,000	1,240,000	240,558	400,393	306,060	1,159,790	2,865,477	216,636	Below Normal		
Wet	1,090,000	1,840,000	960,000	1,830,000	369,375	530,938	453,438	1,645,313	4,152,563	300,923	Wet		
Mar 11 Update													
Dry	520,000	930,000	450,000	920,000	240,558	400,393	306,060	1,159,790	2,315,477	136,526	Dry		
Average	680,000	1,160,000	580,000	1,170,000	240,558	400,393	306,060	1,159,790	2,777,477	183,592	Below Normal		
Wet	1,020,000	1,710,000	890,000	1,660,000	240,558	400,393	306,060	1,159,790	3,803,477	300,923	Wet		
Mar 18 Update													
Dry	520,000	920,000	440,000	910,000	221,529	375,822	283,655	1,081,765	2,281,874	134,238	Dry		
Average	670,000	1,130,000	560,000	1,140,000	221,529	375,822	283,655	1,081,765	2,707,874	164,129	Below Normal		
Wet	980,000	1,620,000	850,000	1,590,000	221,529	375,822	283,655	1,081,765	3,631,874	300,923	Above Normal		
Mar 25 Update													
Dry	500,000	890,000	420,000	870,000	221,529	375,822	283,655	1,081,765	2,215,874	129,743	Dry		
Average	640,000	1,080,000	530,000	1,080,000	221,529	375,822	283,655	1,081,765	2,605,874	156,888	Below Normal		
Wet	920,000	1,520,000	790,000	1,480,000	221,529	375,822	283,655	1,081,765	3,493,874	300,923	Above Normal		
Apr 01 Forecast													
Dry	450,000	840,000	390,000	830,000	207,940	334,052	267,895	981,356	2,093,792	123,239	Critical		
Average	590,000	1,010,000	490,000	1,040,000	207,940	334,052	267,895	981,356	2,465,792	146,943	Dry		
Wet	840,000	1,400,000	730,000	1,380,000	207,940	334,052	267,895	981,356	3,197,792	300,923	Above Normal		
Apr 08 Update													
Dry	440,000	830,000	380,000	810,000	207,940	334,052	267,895	981,356	2,063,792	121,804	Critical		
Average	570,000	980,000	470,000	1,010,000	207,940	334,052	267,895	981,356	2,405,792	142,684	Dry		
Wet	790,000	1,320,000	680,000	1,310,000	207,940	334,052	267,895	981,356	3,047,792	271,303	Below Normal		
Apr 15 Update													
Dry	430,000	800,000	370,000	780,000	207,940	334,052	267,895	981,356	2,015,792	119,508	Critical		
Average	550,000	940,000	450,000	970,000	207,940	334,052	267,895	981,356	2,333,792	137,773	Dry		
Wet	730,000	1,230,000	630,000	1,230,000	207,940	334,052	267,895	981,356	2,879,792	216,791	Below Normal		
Apr 22 Update													
Dry	420,000	790,000	360,000	760,000	207,940	334,052	267,895	981,356	1,985,792	118,073	Critical		
Average	530,000	910,000	430,000	940,000	207,940	334,052	267,895	981,356	2,273,792	133,688	Dry		
Wet	680,000	1,150,000	580,000	1,160,000	207,940	334,052	267,895	981,356	2,729,792	168,119	Below Normal		
May 01 Forecast													
Dry	410,000	770,000	340,000	730,000	207,940	334,052	267,895	981,356	1,937,792	116,272	Critical		
Average	500,000	870,000	400,000	880,000	207,940	334,052	267,895	981,356	2,177,792	127,256	Dry		
Wet	600,000	1,040,000	510,000	1,050,000	207,940	334,052	267,895	981,356	2,507,792	149,925	Below Normal		

Table 1

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
	STANISLAUS	TUOLUMNE	MERCED	FRIANT	TOTAL	STANISLAUS	TUOLUMNE	MERCED			FRIANT	MINIMUM FLOW REQUIREMENT		
May 13 Update	420,000	770,000	350,000	740,000	2,280,000	207,940	334,052	171,469	267,895	981,356	1,955,792	116,789	Critical	
	Dry	480,000	850,000	400,000	2,610,000	207,940	334,052	171,469	267,895	981,356	2,153,792	126,108	Dry	
	Average	490,000	870,000	400,000	2,610,000	207,940	334,052	171,469	267,895	981,356	2,153,792	126,108	Dry	
	Wet	570,000	990,000	480,000	1,010,000	3,050,000	207,940	334,052	171,469	267,895	981,356	2,417,792	143,536	Dry
May 20 Update	420,000	770,000	350,000	750,000	2,290,000	207,940	334,052	171,469	267,895	981,356	1,961,792	116,962	Critical	
	Dry	480,000	840,000	400,000	2,590,000	207,940	334,052	171,469	267,895	981,356	2,141,792	125,534	Dry	
	Average	490,000	870,000	400,000	2,590,000	207,940	334,052	171,469	267,895	981,356	2,141,792	125,534	Dry	
	Wet	550,000	970,000	470,000	1,000,000	2,990,000	207,940	334,052	171,469	267,895	981,356	2,381,792	141,042	Dry
May 27 Update	420,000	750,000	350,000	750,000	2,270,000	207,940	334,052	171,469	267,895	981,356	1,949,792	116,617	Critical	
	Dry	480,000	840,000	400,000	2,610,000	207,940	334,052	171,469	267,895	981,356	2,153,792	126,108	Dry	
	Average	490,000	870,000	400,000	2,610,000	207,940	334,052	171,469	267,895	981,356	2,153,792	126,108	Dry	
	Wet	560,000	950,000	470,000	1,010,000	2,990,000	207,940	334,052	171,469	267,895	981,356	2,381,792	141,042	Dry
Jun 03 Update	400,000	710,000	360,000	740,000	2,210,000	207,940	334,052	171,469	267,895	981,356	1,913,792	115,582	Critical	
	Dry	450,000	810,000	400,000	2,520,000	207,940	334,052	171,469	267,895	981,356	2,099,792	123,526	Critical	
	Average	460,000	820,000	400,000	2,520,000	207,940	334,052	171,469	267,895	981,356	2,099,792	123,526	Critical	
	Wet	510,000	910,000	460,000	980,000	2,860,000	207,940	334,052	171,469	267,895	981,356	2,303,792	135,730	Dry

TABLE 2
Tuolumne River Flow Schedule
SCHEDULE FOR 2008 - 2009 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-2008	15-Apr-2008	1	150	298	298	0	0	0	0	0	0	0	0	0	150	298
16-Apr-2008	16-Apr-2008	1	150	298	595	0	0	0	0	0	0	0	0	0	150	595
17-Apr-2008	17-Apr-2008	1	150	298	893	0	0	0	0	0	0	0	0	0	150	893
18-Apr-2008	18-Apr-2008	1	150	298	1,190	0	0	0	0	0	0	0	0	0	150	1,190
19-Apr-2008	19-Apr-2008	1	150	298	1,488	0	0	0	0	0	0	0	0	0	150	1,488
20-Apr-2008	20-Apr-2008	1	150	298	1,785	950	1,884	1,884	0	0	0	0	0	0	1,100	3,669
21-Apr-2008	21-Apr-2008	1	150	298	2,083	950	1,884	3,769	0	0	0	0	0	0	1,100	5,851
22-Apr-2008	22-Apr-2008	1	150	298	2,380	950	1,884	5,653	0	0	0	0	0	0	1,100	8,033
23-Apr-2008	23-Apr-2008	1	150	298	2,678	950	1,884	7,537	0	0	0	0	0	0	1,100	10,215
24-Apr-2008	24-Apr-2008	1	150	298	2,975	950	1,884	9,421	0	0	0	0	0	0	1,100	12,397
25-Apr-2008	25-Apr-2008	1	150	298	3,273	750	1,488	10,909	0	0	0	0	0	0	900	14,182
26-Apr-2008	26-Apr-2008	1	150	298	3,570	600	1,190	12,099	0	0	0	0	0	0	750	15,669
27-Apr-2008	27-Apr-2008	1	150	298	3,868	500	992	13,091	0	0	0	0	0	0	650	16,959
28-Apr-2008	28-Apr-2008	1	150	298	4,165	400	793	13,884	0	0	0	0	0	0	550	18,050
29-Apr-2008	29-Apr-2008	1	150	298	4,463	400	793	14,678	0	0	0	0	0	0	550	19,140
30-Apr-2008	30-Apr-2008	1	150	298	4,760	400	793	15,471	0	0	0	0	0	0	550	20,231
01-May-2008	01-May-2008	1	150	298	5,058	400	793	16,264	0	0	0	0	0	0	550	21,322
02-May-2008	02-May-2008	1	150	298	5,355	400	793	17,058	0	0	0	0	0	0	550	22,413
03-May-2008	03-May-2008	1	150	298	5,653	400	793	17,851	0	0	0	0	0	0	550	23,504
04-May-2008	04-May-2008	1	150	298	5,950	400	793	18,645	0	0	0	0	0	0	550	24,595
05-May-2008	05-May-2008	1	150	298	6,248	950	1,884	20,529	0	0	0	0	0	0	1,100	26,777
06-May-2008	06-May-2008	1	150	298	6,545	950	1,884	22,413	0	0	0	0	0	0	1,100	28,959
07-May-2008	07-May-2008	1	150	298	6,843	950	1,884	24,298	0	0	0	0	0	0	1,100	31,140
08-May-2008	08-May-2008	1	150	298	7,140	950	1,884	26,182	0	0	0	0	0	0	1,100	33,322
09-May-2008	09-May-2008	1	150	298	7,438	950	1,884	28,066	0	0	0	0	0	0	1,100	35,504
10-May-2008	10-May-2008	1	150	298	7,736	750	1,488	29,554	0	0	0	0	0	0	900	37,289
11-May-2008	11-May-2008	1	150	298	8,033	600	1,190	30,744	0	0	0	0	0	0	750	38,777
12-May-2008	12-May-2008	1	150	298	8,331	500	992	31,736	0	0	0	0	0	0	650	40,066
13-May-2008	13-May-2008	1	150	298	8,628	400	793	32,529	0	0	0	0	0	0	550	41,157
14-May-2008	14-May-2008	1	150	298	8,926	400	793	33,322	0	0	0	0	0	0	550	42,348
15-May-2008	15-May-2008	1	150	298	9,223	400	793	34,116	0	0	0	0	0	0	550	43,339
16-May-2008	16-May-2008	1	150	298	9,521	400	793	34,909	0	0	0	0	0	0	550	44,430
17-May-2008	17-May-2008	1	150	298	9,818	400	793	35,702	0	0	0	0	0	0	550	45,521
18-May-2008	18-May-2008	1	150	298	10,116	300	595	36,298	0	0	0	0	0	0	450	46,413
19-May-2008	19-May-2008	1	150	298	10,413	200	397	36,694	0	0	0	0	0	0	350	47,107
20-May-2008	20-May-2008	1	150	298	10,711	125	248	36,942	0	0	0	0	0	0	275	47,653
21-May-2008	21-May-2008	1	150	298	11,008	60	119	37,061	0	0	0	0	0	0	210	48,069
22-May-2008	22-May-2008	1	150	298	11,306	0	0	37,061	0	0	0	0	0	0	150	48,367
23-May-2008	23-May-2008	1	150	298	11,603	0	0	37,061	0	0	0	0	0	0	150	48,664
24-May-2008	24-May-2008	1	150	298	11,901	0	0	37,061	0	0	0	0	0	0	150	48,962
25-May-2008	25-May-2008	1	150	298	12,198	0	0	37,061	0	0	0	0	0	0	150	49,260
26-May-2008	26-May-2008	1	150	298	12,496	0	0	37,061	0	0	0	0	0	0	150	49,557
27-May-2008	27-May-2008	1	150	298	12,793	0	0	37,061	0	0	0	0	0	0	150	49,855
28-May-2008	28-May-2008	1	150	298	13,091	0	0	37,061	0	0	0	0	0	0	150	50,152
29-May-2008	29-May-2008	1	150	298	13,388	0	0	37,061	0	0	0	0	0	0	150	50,450
30-May-2008	30-May-2008	1	150	298	13,686	0	0	37,061	0	0	0	0	0	0	150	50,747
31-May-2008	31-May-2008	1	150	298	13,983	0	0	37,061	0	0	0	-35	(69)	(69)	115	50,975
01-Jun-2008	01-Jun-2008	1	50	99	14,083	0	0	37,061	0	0	0	35	69	0	85	51,144
02-Jun-2008	02-Jun-2008	1	50	99	14,182	0	0	37,061	0	0	0	0	0	0	50	51,243
03-Jun-2008	03-Jun-2008	1	50	99	14,281	0	0	37,061	0	0	0	0	0	0	50	51,342
04-Jun-2008	04-Jun-2008	1	50	99	14,380	0	0	37,061	0	0	0	0	0	0	50	51,441
05-Jun-2008	30-Jun-2008	26	50	2,579	16,959	0	0	37,061	0	0	0	0	0	0	50	54,020
01-Jul-2008	31-Jul-2008	31	50	3,074	20,033	0	0	37,061	0	0	0	0	0	0	50	57,094
01-Aug-2008	31-Aug-2008	31	50	3,074	23,107	0	0	37,061	0	0	0	0	0	0	50	60,169
01-Sep-2008	10-Sep-2008	10	50	992	24,099	0	0	37,061	0	0	0	0	0	0	50	61,160
11-Sep-2008	13-Sep-2008	3	50	298	24,397	0	0	37,061	0	0	0	0	0	0	50	61,458
14-Sep-2008	30-Sep-2008	17	50	1,686	26,083	0	0	37,061	0	0	0	0	0	0	50	63,144
01-Oct-2008	05-Oct-2008	5	150	1,488	27,570	0	0	37,061	0	0	0	0	0	0	150	64,631
06-Oct-2008	10-Oct-2008	5	150	1,488	29,058	0	0	37,061	0	0	0	0	0	0	150	66,119
11-Oct-2008	26-Oct-2008	16	150	4,760	33,818	0	0	37,061	0	0	0	0	0	0	150	70,879
27-Oct-2008	28-Oct-2008	2	150	595	34,413	0	0	37,061	0	0	0	0	0	0	150	71,474
29-Oct-2008	29-Oct-2008	1	150	298	34,711	0	0	37,061	0	0	0	0	0	0	150	71,772
30-Oct-2008	30-Oct-2008	1	150	298	35,008	0	0	37,061	0	0	0	0	0	0	150	72,069
31-Oct-2008	31-Oct-2008	1	150	298	35,306	0	0	37,061	0	0	0	0	0	0	150	72,367
01-Nov-2008	16-Nov-2008	16	150	4,760	40,066	0	0	37,061	0	0	0	0	0	0	150	77,127
17-Nov-2008	30-Nov-2008	14	150	4,165	44,231	0	0	37,061	0	0	0	0	0	0	150	81,293
01-Dec-2008	31-Dec-2008	31	150	9,223	53,455	0	0	37,061	0	0	0	0	0	0	150	90,516
01-Jan-2009	31-Jan-2009	31	150	9,223	62,678	0	0	37,061	0	0	0	0	0	0	150	99,239
01-Feb-2009	28-Feb-2009	28	150	8,331	71,008	0	0	37,061	0	0	0	0	0	0	150	108,069
01-Mar-2009	31-Mar-2009	31	150	9,223	80,231	0	0	37,061	0	0	0	0	0	0	150	117,293
01-Apr-2009	14-Apr-2009	14	150	4,165	84,397	0	0	37,061	0	0	0	0	0	0	150	121,458

No. of days 365 (April 15 through April 14)

Interpolation Water = 2,068

Total = 123,526

TABLE 3
Tuolumne River Flow Schedule
SCHEDULE FOR 2008 - 2009 Fish Flow Year

DATE		Number of DAYS	Flow			Pulse Flows			Flow for Dry			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-2008	15-Apr-2008	1	150	298	298	0	0	0	0	0	0	0	0	0	150	298
16-Apr-2008	16-Apr-2008	1	150	298	595	0	0	0	0	0	0	0	0	0	150	595
17-Apr-2008	17-Apr-2008	1	150	298	893	0	0	0	0	0	0	0	0	0	150	893
18-Apr-2008	18-Apr-2008	1	150	298	1,190	0	0	0	0	0	0	0	0	0	150	1,190
19-Apr-2008	19-Apr-2008	1	150	298	1,488	0	0	0	0	0	0	0	0	0	150	1,488
20-Apr-2008	20-Apr-2008	1	150	298	1,785	950	1,884	1,884	0	0	0	0	0	0	1,100	3,669
21-Apr-2008	21-Apr-2008	1	150	298	2,083	950	1,884	3,769	0	0	0	0	0	0	1,100	5,851
22-Apr-2008	22-Apr-2008	1	150	298	2,380	950	1,884	5,653	0	0	0	0	0	0	1,100	8,033
23-Apr-2008	23-Apr-2008	1	150	298	2,678	950	1,884	7,537	0	0	0	0	0	0	1,100	10,215
24-Apr-2008	24-Apr-2008	1	150	298	2,975	950	1,884	9,421	0	0	0	0	0	0	1,100	12,397
25-Apr-2008	25-Apr-2008	1	150	298	3,273	750	1,488	10,909	0	0	0	0	0	0	900	14,182
26-Apr-2008	26-Apr-2008	1	150	298	3,570	600	1,190	12,099	0	0	0	0	0	0	750	15,669
27-Apr-2008	27-Apr-2008	1	150	298	3,868	500	992	13,091	0	0	0	0	0	0	650	16,959
28-Apr-2008	28-Apr-2008	1	150	298	4,165	400	793	13,884	0	0	0	0	0	0	550	18,050
29-Apr-2008	29-Apr-2008	1	150	298	4,463	400	793	14,678	0	0	0	0	0	0	550	19,140
30-Apr-2008	30-Apr-2008	1	150	298	4,760	400	793	15,471	0	0	0	0	0	0	550	20,231
01-May-2008	01-May-2008	1	150	298	5,058	400	793	16,264	0	0	0	0	0	0	550	21,322
02-May-2008	02-May-2008	1	150	298	5,355	400	793	17,058	0	0	0	0	0	0	550	22,413
03-May-2008	03-May-2008	1	150	298	5,653	400	793	17,851	0	0	0	0	0	0	550	23,504
04-May-2008	04-May-2008	1	150	298	5,950	400	793	18,645	0	0	0	0	0	0	550	24,595
05-May-2008	05-May-2008	1	150	298	6,248	950	1,884	20,529	0	0	0	0	0	0	1,100	26,777
06-May-2008	06-May-2008	1	150	298	6,545	950	1,884	22,413	0	0	0	0	0	0	1,100	28,959
07-May-2008	07-May-2008	1	150	298	6,843	950	1,884	24,298	0	0	0	0	0	0	1,100	31,140
08-May-2008	08-May-2008	1	150	298	7,140	950	1,884	26,182	0	0	0	0	0	0	1,100	33,322
09-May-2008	09-May-2008	1	150	298	7,438	950	1,884	28,066	0	0	0	0	0	0	1,100	35,504
10-May-2008	10-May-2008	1	150	298	7,736	750	1,488	29,554	0	0	0	0	0	0	900	37,289
11-May-2008	11-May-2008	1	150	298	8,033	600	1,190	30,744	0	0	0	0	0	0	750	38,777
12-May-2008	12-May-2008	1	150	298	8,331	500	992	31,736	0	0	0	0	0	0	650	40,066
13-May-2008	13-May-2008	1	150	298	8,628	400	793	32,529	0	0	0	0	0	0	550	41,157
14-May-2008	14-May-2008	1	150	298	8,926	400	793	33,322	0	0	0	0	0	0	550	42,248
15-May-2008	15-May-2008	1	150	298	9,223	400	793	34,116	0	0	0	0	0	0	550	43,339
16-May-2008	16-May-2008	1	150	298	9,521	400	793	34,909	0	0	0	0	0	0	550	44,430
17-May-2008	17-May-2008	1	150	298	9,818	400	793	35,702	0	0	0	0	0	0	550	45,521
18-May-2008	18-May-2008	1	150	298	10,116	300	595	36,298	0	0	0	0	0	0	450	46,413
19-May-2008	19-May-2008	1	150	298	10,413	200	397	36,694	0	0	0	0	0	0	350	47,107
20-May-2008	20-May-2008	1	150	298	10,711	125	248	36,942	0	0	0	0	0	0	275	47,653
21-May-2008	21-May-2008	1	150	298	11,008	60	119	37,061	0	0	0	0	0	0	210	48,069
22-May-2008	22-May-2008	1	150	298	11,306	0	0	37,061	0	0	0	0	0	0	150	48,367
23-May-2008	23-May-2008	1	150	298	11,603	0	0	37,061	0	0	0	0	0	0	150	48,664
24-May-2008	24-May-2008	1	150	298	11,901	0	0	37,061	0	0	0	0	0	0	150	48,962
25-May-2008	25-May-2008	1	150	298	12,198	0	0	37,061	0	0	0	0	0	0	150	49,260
26-May-2008	26-May-2008	1	150	298	12,496	0	0	37,061	0	0	0	0	0	0	150	49,557
27-May-2008	27-May-2008	1	150	298	12,793	0	0	37,061	0	0	0	0	0	0	150	49,855
28-May-2008	28-May-2008	1	150	298	13,091	0	0	37,061	0	0	0	0	0	0	150	50,152
29-May-2008	29-May-2008	1	150	298	13,388	0	0	37,061	0	0	0	0	0	0	150	50,450
30-May-2008	30-May-2008	1	150	298	13,686	0	0	37,061	0	0	0	0	0	0	150	50,747
31-May-2008	31-May-2008	1	150	298	13,983	0	0	37,061	0	0	0	-35	(69)	(69)	115	50,975
01-Jun-2008	01-Jun-2008	1	50	99	14,083	0	0	37,061	0	0	0	35	69	0	85	51,144
02-Jun-2008	02-Jun-2008	1	50	99	14,182	0	0	37,061	0	0	0	0	0	0	50	51,243
03-Jun-2008	03-Jun-2008	1	50	99	14,281	0	0	37,061	0	0	0	0	0	0	50	51,342
04-Jun-2008	04-Jun-2008	1	50	99	14,380	0	0	37,061	0	0	0	0	0	0	50	51,441
05-Jun-2008	05-Jun-2008	26	50	2,579	16,959	0	0	37,061	0	0	0	0	0	0	50	54,020
01-Jul-2008	01-Jul-2008	31	50	3,074	20,833	0	0	37,061	0	0	0	0	0	0	50	57,094
01-Aug-2008	01-Aug-2008	31	50	3,074	23,107	0	0	37,061	0	0	0	0	0	0	50	60,169
01-Sep-2008	01-Sep-2008	10	50	992	24,099	0	0	37,061	0	0	0	0	0	0	50	61,160
11-Sep-2008	11-Sep-2008	3	50	298	24,397	0	0	37,061	0	0	0	0	0	0	50	61,458
14-Sep-2008	14-Sep-2008	17	50	1,686	26,083	0	0	37,061	0	0	0	0	0	0	50	63,144
01-Oct-2008	01-Oct-2008	5	100	992	27,074	0	0	37,061	0	0	0	-11	(112)	(112)	89	64,024
06-Oct-2008	06-Oct-2008	5	100	992	28,066	0	0	37,061	0	0	0	-11	(112)	(224)	89	64,903
11-Oct-2008	11-Oct-2008	5	100	992	29,058	0	0	37,061	0	0	0	-11	(112)	(336)	89	65,783
16-Oct-2008	16-Oct-2008	2	150	595	29,653	0	0	37,061	0	0	0	-11	(45)	(381)	139	66,333
18-Oct-2008	18-Oct-2008	1	150	298	29,950	0	0	37,061	0	0	0	-11	(22)	(403)	139	66,609
19-Oct-2008	19-Oct-2008	1	150	298	30,248	0	0	37,061	0	0	0	-11	(22)	(425)	139	66,884
20-Oct-2008	20-Oct-2008	12	150	3,570	33,818	0	0	37,061	0	0	0	-11	(269)	(694)	139	70,185
01-Nov-2008	01-Nov-2008	16	150	4,760	38,579	0	0	37,061	0	0	0	-11	(358)	(1,052)	139	74,587
17-Nov-2008	17-Nov-2008	14	150	4,165	42,744	0	0	37,061	0	0	0	-11	(313)	(1,366)	139	78,439
01-Dec-2008	01-Dec-2008	31	150	9,223	51,967	0	0	37,061	0	0	0	-11	(694)	(2,060)	139	86,958
01-Jan-2009	01-Jan-2009	31	150	9,223	61,199	0	0	37,061	0	0	0	-11	(694)	(2,754)	139	95,498
01-Feb-2009	01-Feb-2009	28	150	8,331	69,521	0	0	37,061	0	0	0	-11	(627)	(3,381)	139	103,201
01-Mar-2009	01-Mar-2009	31	150	9,223	78,744	0	0	37,061	0	0	0	-11	(694)	(4,075)	139	111,730
01-Apr-2009	01-Apr-2009	14	150	4,165	82,909	0	0	37,061	0	0	0	-11	(313)	(4,388)	139	115,582

No. of days 365 (April 15 through April 14)

Interpolation Water = 0

Total = 115,582

Table 4			
Tuolumne River Flow Schedule - as of June 3, 2008 DWR forecast			
(VAMP period is shaded)			
	FERC Schedule Article 37 Flow	Supplemental VAMP Flow	USGS Prelim. Actual Flow (cfs)
15-Apr-2008	150		170
16-Apr-2008	150		168
17-Apr-2008	150		168
18-Apr-2008	150		169
19-Apr-2008	150		756
20-Apr-2008	1,100	200	1,300
21-Apr-2008	1,100	170	1,270
22-Apr-2008	1,100	210	1,310
23-Apr-2008	1,100	210	1,310
24-Apr-2008	1,100	210	1,310
25-Apr-2008	900	230	1,130
26-Apr-2008	750	212	962
27-Apr-2008	650	211	861
28-Apr-2008	550	302	852
29-Apr-2008	550	312	862
30-Apr-2008	550	301	851
1-May-2008	550	301	851
2-May-2008	550	306	856
3-May-2008	550	301	851
4-May-2008	550	490	1,040
5-May-2008	1,100	210	1,310
6-May-2008	1,100	200	1,300
7-May-2008	1,100	200	1,300
8-May-2008	1,100	200	1,300
9-May-2008	1,100	200	1,300
10-May-2008	900	270	1,170
11-May-2008	750	165	915
12-May-2008	650	167	817
13-May-2008	550	259	809
14-May-2008	550	258	808
15-May-2008	550	252	802
16-May-2008	550	261	811
17-May-2008	550	280	830
18-May-2008	450	308	758
19-May-2008	350	300	650
20-May-2008	275	207	482
21-May-2008	210		318
22-May-2008	150		241
23-May-2008	150		187
24-May-2008	150		178
25-May-2008	150		180
26-May-2008	150		180
27-May-2008	150		182
28-May-2008	150		184
29-May-2008	150		180
30-May-2008	150		160
31-May-2008	115		143
1-Jun-2008	85		107
2-Jun-2008	50		86
3-Jun-2008	50		85

Total VAMP AF

15,279