TURLOCK IRRIGATION DISTRICT
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Don Pedro Dam and Powerhouse

March 25, 2010

VIA E-MAIL

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RE: Project 2299 – Flow Schedule for 2009-2010 and 2010-2011 Fish Flow Years

Dear Fishery Agency Representatives:

This letter pertains to aspects of Articles 37 & 38 of the Don Pedro Project license regarding Tuolumne River flows. It contains a review of the fall 2009 flows and flow schedule information for the 2009-2010 Fish Flow Year ending April 14, 2010 and the 2010-2011 Fish Flow Year starting April 15, 2010.

Review of Article 38 45-Day Period and Fall Pulse Flow Requirement

The Article 38 '45-Day Period' in fall 2009 began October 17 and ended November 30, as has been the default period for many years. In accordance with Article 38, reduction in river height between the end of the 45-day period and March 31 shall not exceed four inches (0.33 feet) below the average height established during the 45-day period (based on the rating table for the discontinued USGS Old La Grange Bridge streamflow gage).

Using provisional daily flow data from the USGS gage below La Grange Dam, the calculated average flow was 314 cfs for the 2009 45-day period, which corresponds to a river height of 170.03 feet at the Old La Grange Bridge based on the USGS 1996 rating table. A gage elevation of 169.70 feet is 4 inches below that average and corresponds to 202 cfs as shown in Table 1. The flow schedule requirement has been 200 cfs or more since December 1, 2009. Flow releases have exceeded 202 cfs, so the flow requirement this season after the 45-day period related to Article 38 has been met to date; the Article 38 period ends on March 31.

The Article 37 fall pulse flow allocation was 9,352 AF during the 12 days of October 12-23 and the provisional measured flows below La Grange Dam in that period totaled 14,143 AF.

Flow Schedule for the 2009-2010 Fish Flow Year ending April 14, 2010

The most recent flow schedule letter sent to you on October 19, 2009 contained the current schedule for the Article 37 2009-2010 Fish Flow Year starting April 15, 2009 and the total annual requirement of 175,791 AF. Provisional USGS flow data (and estimated values since January 19) indicate that volume had already been released to the Tuolumne River below La Grange Dam by about March 15, 2010. Identified in the letter of October 19, 2009, there remained an unscheduled volume of 7,049 AF for the current Fish Flow Year. Several proposals and discussions have occurred among the District and the Fishery Agencies over the past three months about scheduling the 7,049 AF remainder. A default allocation was established, shown in Table 2, which schedules that volume during the April 2-14 period, resulting in a flow of 474 cfs over 13 days to finish out the schedule for the current Fish Flow Year.

The flow schedule discussions have also considered a potential carryover to the next Fish Flow Year of 5,000 AF of the 7,049 AF remainder to the summer (June through September) period of 2010. The District received a letter from the Fishery Agencies e-mailed on March 12, 2010, which contained, among other issues, a recommendation to carry over 5,000 AF. The District sent an e-mail reply to the Fishery Agencies that same day with several identified concerns, stating that resolution of those issues was needed. To date there has been no resolution of those items, so the schedule in Table 2 will be followed and there will be no carryover unless mutual agreement is reached by April 1.

Flow Schedule for the 2010-2011 Fish Flow Year starting April 15, 2010

The 1996 FERC Order, Amended Article 37, contained a Water Year Classification Index for determining the annual volume of scheduled stream flows for each Fish Flow Year. The classifications are based on the San Joaquin Basin 60-20-20 Indices for water years and updated Index thresholds for determining the year type classification were contained in the letter provided to you on October 19, 2009.

TID has again been tracking the Index forecasts and providing your agencies with corresponding flow volume information in e-mails this season. Table 3 contains the Department of Water Resources (DWR) monthly forecasts and updates of those forecasts to date. The forecasts are similar to last year at this time in that there has been a wide range in potential FERC flow volume requirements at the 90% and 50% exceedence levels. In addition, there has been an extended dry period, so the potential flow volumes are expected to continue to be variable going into the 2010-2011 Fish Flow Year.

There will again be the need to coordinate the basin spring pulse flow schedule for the Vernalis Adaptive Management Program (VAMP) in 2010. TID has supplied your agencies with initial preliminary spring daily schedules for potential dry, average, and wet conditions in a March 8 e-mail and to the VAMP Hydrology Coordinator for the March 17 VAMP technical meeting. At that meeting, the initial selection of the 2010 31-day VAMP period was from April 25 - May 25. The corresponding start of that period at La Grange would be April 23, 2008 using the customary 2-day lead time for flow to arrive at Vernalis on the San Joaquin River. As a result, consideration

of Tuolumne flows for the preceding April 15-22 period will be needed in the initial flow schedule.

Based on applying the current DWR April-July runoff forecast of March 23 to update the DWR March 1 60-20-20 Basin Index, the annual minimum Article 37 flow requirements presently are 160,065 AF (Intermediate Dry-Below Normal) in the 90% Exceedence case and 300,923 AF (Intermediate Below Normal-Above Normal) in the 50% Exceedence case; these values are also shown on Table 3 with the respective Basin Index. Due to the dry trend, the 90% and 50% levels are considered at present.

Based on the above, two provisional daily schedules for April 15 – June 19 consistent with the draft schedules already provided on March 8 are presented as examples (Table 4); the 2009 schedule is included for comparison. The schedules have the following features:

1) The base flow/pulse flow amounts are those specified for the year types in Article 37.
2) The overall timing of the spring pulse flow incorporates the proposed VAMP period.
3) The pulse flow pattern with multiple peaks generally corresponds to various coordinated schedules utilized in past years.
4) Rampdown (transition) flows are included.

We will need rapid consensus and approval as in prior years to (1) establish and implement the initial FERC flow schedule starting April 15 and for the VAMP scheduling process, and (2) for all subsequent schedule adjustments so that any flow modifications can be conducted in a timely manner, including adequate advance notice for the Districts to implement such operations. It is again expected that some short-term adjustments might be made within the designated VAMP period as may be necessary and feasible in accordance with the VAMP flow coordination effort. Such adjustments would preferentially be made first to any applicable VAMP supplemental flows and secondarily to the FERC pulse flows.

If you have any questions, please contact Wes Monier at 209-883-8321.

Sincerely,

Robert M. Nees
Director of Water Resources and Regulatory Affairs

Cc: Larry Weis - TID
Allen Short – MID
Michael Carlin - CCSF
FERC Secretary

TURLOCK IRRIGATION DISTRICT

October 17 - November 30, 2008 Average Flow

Tuolumne River Below La Grange Dam Near La Grange

ACTUAL FLOWS (Provisional USGS Numbers)

DATE	FLOW CFS	DATE	FLOW CFS
17-Oct	715	08-Nov	254
18-Oct	715	09-Nov	255
19-Oct	712	10-Nov	254
20-Oct	713	11-Nov	254
21-Oct	660	12-Nov	255
22-Oct	548	13-Nov	254
23-Oct	379	14-Nov	255
24-Oct	263	15-Nov	255
25-Oct	255	16-Nov	255
26-Oct	254	17-Nov	256
27-Oct	255	18-Nov	256
28-Oct	256	19-Nov	255
29-Oct	258	20-Nov	256
30-Oct	255	21-Nov	256
31-Oct	257	22-Nov	255
01-Nov	255	23-Nov	257
02-Nov	256	24-Nov	255
03-Nov	257	25-Nov	255
04-Nov	255	26-Nov	254
05-Nov	256	27-Nov	254
06-Nov	254	28-Nov	254
07-Nov	254	29-Nov	255
		30-Nov	252
	TOTAL RELEASE=		14,143

45 day average = 314 cfs = 170.03 ft elevation *

Less 4 inches -0.33

Minimum Flow = 202 CFS = 169.70 ft elevation *

*

From U.S.G.S. table 22; for old La Grange Bridge (station not in use)

TABLE 2

Tuolumne River Flow Schedule

SCHEDULE FOR 2009 - 20010 Fish Flow Year

DATE		Number of	Flow for Average														
			Base Flow			Pulse Flows			Interpolation Flow			Other Adjusted Flow			Total FERC Flow		
From:	To:	DAYS	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	1190	0	0	0	640	9,620
25-Apr-2009	25-Apr-2009	1	180	357	3,927	360	714	5,574	100	198	1388	0	0	0	640	10,889
26-Apr-2009	26-Apr-2009	1	180	357	4,284	360	714	6,288	100	198	1587	0	0	0	640	12,159
27-Apr-2009	27-Apr-2009	1	180	357	4,641	360	714	7,002	100	198	1785	0	0	0	640	13,428
28-Apr-2009	28-Apr-2009	1	180	357	4,998	180	357	7,359	100	198	1983	0	0	0	460	14,340
29-Apr-2009	29-Apr-2009	1	180	357	5,355	180	357	7,716	100	198	2182	0	0	0	460	15,253
30-Apr-2009	30-Apr-2009	1	180	357	5,712	180	357	8,073	100	198	2380	0	0	0	460	16,165
01-May-2009	01-May-2009	1	180	357	6,069	180	357	8,430	100	198	2579	0	0	0	460	17,078
02-May-2009	02-May-2009	1	180	357	6,426	180	357	8,787	100	198	2777	0	0	0	460	17,990
03-May-2009	03-May-2009	1	180	357	6,783	180	357	9,144	100	198	2975	0	0	0	460	18,902
04-May-2009	04-May-2009	1	180	357	7,140	180	357	9,501	100	198	3174	0	0	0	460	19,815
05-May-2009	05-May-2009	1	180	357	7,498	300	595	10,096	100	198	3372	0	0	0	580	20,965
06-May-2009	06-May-2009	1	180	357	7,855	500	992	11,088	100	198	3570	0	0	0	780	22,512
07-May-2009	07-May-2009	1	180	357	8,212	700	1,388	12,476	0	0	3570	0	0	0	880	24,258
08-May-2009	08-May-2009	1	180	357	8,569	700	1,388	13,864	0	0	3570	0	0	0	880	26,003
09-May-2009	09-May-2009	1	180	357	8,926	750	1,488	15,352	0	0	3570	0	0	0	930	27,848
10-May-2009	10-May-2009	1	180	357	9,283	750	1,488	16,840	0	0	3570	0	0	0	930	29,693
11-May-2009	11-May-2009	1	180	357	9,640	750	1,488	18,327	0	0	3570	0	0	0	930	31,537
12-May-2009	12-May-2009	1	180	357	9,997	750	1,488	19,815	0	0	3570	0	0	0	930	33,382
13-May-2009	13-May-2009	1	180	357	10,354	750	1,488	21,302	0	0	3570	0	0	0	930	35,226
14-May-2009	14-May-2009	1	180	357	10,711	750	1,488	22,790	0	0	3570	0	0	0	930	37,071
15-May-2009	15-May-2009	1	180	357	11,068	750	1,488	24,278	0	0	3570	0	0	0	930	38,916
16-May-2009	16-May-2009	1	180	357	11,425	750	1,488	25,765	0	0	3570	0	0	0	930	40,760
17-May-2009	17-May-2009	1	180	357	11,782	750	1,488	27,253	0	0	3570	0	0	0	930	42,605
18-May-2009	18-May-2009	1	180	357	12,139	700	1,388	28,641	0	0	3570	0	0	0	880	44,350
19-May-2009	19-May-2009	1	180	357	12,496	700	1,388	30,030	0	0	3570	0	0	0	880	46,096
20-May-2009	20-May-2009	1	180	357	12,853	650	1,289	31,319	0	0	3570	0	0	0	830	47,742
21-May-2009	21-May-2009	1	180	357	13,210	500	992	32,311	0	0	3570	0	0	0	680	49,091
22-May-2009	22-May-2009	1	180	357	13,567	400	793	33,104	0	0	3570	0	0	0	580	50,241
23-May-2009	23-May-2009	1	180	357	13,924	300	595	33,699	0	0	3570	0	0	0	480	51,193
24-May-2009	24-May-2009	1	180	357	14,281	300	595	34,294	0	0	3570	0	0	0	480	52,145
25-May-2009	25-May-2009	1	180	357	14,638	200	397	34,691	0	0	3570	0	0	0	380	52,899
26-May-2009	26-May-2009	1	180	357	14,995	200	397	35,088	0	0	3570	0	0	0	380	53,653
27-May-2009	27-May-2009	1	180	357	15,352	200	397	35,484	0	0	3570	0	0	0	380	54,407
28-May-2009	28-May-2009	1	180	357	15,709	125	248	35,732	0	0	3570	0	0	0	305	55,012
29-May-2009	29-May-2009	1	180	357	16,066	125	248	35,980	0	0	3570	0	0	0	305	55,617
30-May-2009	30-May-2009	1	180	357	16,423	85	169	36,149	0	0	3570	0	0	0	265	56,142
31-May-2009	31-May-2009	1	180	357	16,780	85	169	36,317	0	0	3570	0	0	0	265	56,668
01-Jun-2009	01-Jun-2009	1	75	149	16,929	0	0	36,317	190	377	3947	0	0	0	265	57,193
02-Jun-2009	02-Jun-2009	1	75	149	17,078	0	0	36,317	190	377	4324	0	0	0	265	57,719
03-Jun-2009	07-Jun-2009	5	75	744	17,821	0	0	36,317	135	1,339	5663	0	0	0	210	59,802
08-Jun-2009	15-Jun-2009	8	75	1,190	19,012	0	0	36,317	30	476	6139	0	0	0	105	61,468
16-Jun-2009	30-Jun-2009	15	75	2,231	21,243	0	0	36,317	0	0	6139	0	0	0	75	63,699
01-Jul-2009	31-Jul-2009	31	75	4,612	25,855	0	0	36,317	0	0	6139	0	0	0	75	68,311
01-Aug-2009	31-Aug-2009	31	75	4,612	30,466	0	0	36,317	0	0	6139	0	0	0	75	72,922
01-Sep-2009	10-Sep-2009	10	75	1,488	31,954	0	0	36,317	20	397	6536	0	0	0	95	74,807
11-Sep-2009	13-Sep-2009	3	75	446	32,400	0	0	36,317	20	119	6655	0	0	0	95	75,372
14-Sep-2009	30-Sep-2009	17	75	2,529	34,929	0	0	36,317	20	674	7329	0	0	0	95	78,575
01-Oct-2009	11-Oct-2009	11	200	4,364	39,293	0	0	36,317		0	7329	0	0	0	200	82,939
12-Oct-2009	12-Oct-2009	1	200	397	39,689	175	347	36,664		0	7329	0	0	0	375	83,683
13-Oct-2009	13-Oct-2009	1	200	397	40,086	250	496	37,160		0	7329	0	0	0	450	84,575
14-Oct-2009	14-Oct-2009	1	200	397	40,483	400	793	37,954		0	7329	0	0	0	600	85,765
15-Oct-2009	15-Oct-2009	1	200	397	40,879	500	992	38,945		0	7329	0	0	0	700	87,154
16-Oct-2009	20-Oct-2009	5	175	1,736	42,615	525	5,207	44,152		0	7329	0	0	0	700	94,096
21-Oct-2009	21-Oct-2009	1	175	347	42,962	425	843	44,995		0	7329	0	0	0	600	95,286
22-Oct-2009	22-Oct-2009	1	175	347	43,309	275	545	45,540		0	7329	0	0	0	450	96,179
23-Oct-2009	23-Oct-2009	1	175	347	43,656	65	129	45,669		0	7329	0	0	0	240	96,655
24-Oct-2009	31-Oct-2009	8	175	2,777	46,433	0	0	45,669	25	401	7730	25	397	397	225	100,229
01-Nov-2009	16-Nov-2009	16	175	5,554	51,987	0	0	45,669	25	802	8532	25	793	1,190	225	107,378
17-Nov-2009	30-Nov-2009	14	175	4,860	56,846	0	0	45,669	25	702	9234	25	694	1,884	225	113,634
01-Dec-2009	31-Dec-2009	31	175	10,760	67,607	0	0	45,669	25	1,554	10788	25	1,537	3,421	225	127,486
01-Jan-2010	31-Jan-2010	31	175	10,760	78,367	0	0	45,669		0	10788	25	1,537	4,959	200	139,783
01-Feb-2010	28-Feb-2010	28	175	9,719	88,086	0	0	45,669		0	10788	25	1,388	6,347	200	150,890
01-Mar-2010	31-Mar-2010	31	175	10,760	98,846	0	0	45,669		0	10788	25	1,537	7,884	200	163,188
01-Apr-2010	01-Apr-2010	1	175	347	99,193	0	0	45,669		0	10788	25	50	7,934	200	163,585
02-Apr-2010	14-Apr-2010	13	175	4,512	103,706	0	0	45,669		0	10788	298	7,694	15,628	473	175,791
No. of days		365	(April 15 through April 14)													

1 cfs day = 1.983471 acre-feet (af)

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

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

Table 3

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) RANKING
Feb 1 Forecast													
Dry	400,000	760,000	400,000	900,000	2,460,000	220,000	405,000	235,000	350,000	1,210,000	2,264,639	133,064	Dry
Average	650,000	1,170,000	600,000	1,270,000	3,690,000	315,000	535,000	305,000	450,000	1,605,000	3,081,639	300,923	Below Normal
Wet	1,110,000	1,960,000	1,060,000	2,090,000	6,220,000	470,000	785,000	465,000	660,000	2,380,000	4,754,639	300,923	Wet
Feb 09 Update													
Dry	410,000	780,000	410,000	920,000	2,520,000	220,000	405,000	235,000	350,000	1,210,000	2,300,639	135,516	Dry
Average	640,000	1,150,000	600,000	1,270,000	3,660,000	315,000	535,000	305,000	450,000	1,605,000	3,063,639	294,919	Below Normal
Wet	1,080,000	1,890,000	1,030,000	2,020,000	6,020,000	470,000	785,000	465,000	660,000	2,380,000	4,634,639	300,923	Wet
Feb 16 Update													
Dry	400,000	750,000	400,000	890,000	2,440,000	220,000	405,000	235,000	350,000	1,210,000	2,252,639	132,247	Dry
Average	610,000	1,080,000	570,000	1,210,000	3,470,000	315,000	535,000	305,000	450,000	1,605,000	2,949,639	251,796	Below Normal
Wet	1,030,000	1,780,000	970,000	1,910,000	5,690,000	470,000	785,000	465,000	660,000	2,380,000	4,436,639	300,923	Wet
Feb 23 Update													
Dry	400,000	750,000	390,000	870,000	2,410,000	220,000	405,000	235,000	350,000	1,210,000	2,234,639	131,021	Dry
Average	580,000	1,040,000	550,000	1,170,000	3,340,000	315,000	535,000	305,000	450,000	1,605,000	2,871,639	222,292	Below Normal
Wet	990,000	1,700,000	920,000	1,810,000	5,420,000	470,000	785,000	465,000	660,000	2,380,000	4,274,639	300,923	Wet
Mar 1 Forecast													
Dry	460,000	910,000	500,000	1,050,000	2,920,000	220,000	430,000	235,000	335,000	1,220,000	2,542,639	152,399	
Average	630,000	1,170,000	640,000	1,330,000	3,770,000	270,000	460,000	270,000	425,000	1,425,000	3,093,639	300,923	Below Normal
Wet	1,020,000	1,790,000	990,000	1,920,000	5,720,000	380,000	560,000	325,000	515,000	1,780,000	4,334,639	300,923	Wet
Mar 09 Update													
Dry	490,000	960,000	530,000	1,100,000	3,080,000	220,000	430,000	235,000	335,000	1,220,000	2,638,639	159,214	Below Normal
Average	650,000	1,200,000	660,000	1,360,000	3,870,000	270,000	460,000	270,000	425,000	1,425,000	3,153,639	300,923	Above Normal
Wet	1,000,000	1,760,000	980,000	1,890,000	5,630,000	380,000	560,000	325,000	515,000	1,780,000	4,280,639	300,923	Wet
Mar 16 Update													
Dry	510,000	1,000,000	550,000	1,140,000	3,200,000	220,000	430,000	235,000	335,000	1,220,000	2,710,639	164,325	Below Normal
Average	660,000	1,220,000	670,000	1,380,000	3,930,000	270,000	460,000	270,000	425,000	1,425,000	3,189,639	300,923	Above Normal
Wet	980,000	1,730,000	970,000	1,850,000	5,530,000	380,000	560,000	325,000	515,000	1,780,000	4,220,639	300,923	Wet
Mar 23 Update													
Dry	500,000	960,000	530,000	1,110,000	3,100,000	220,000	430,000	235,000	335,000	1,220,000	2,650,639	160,065	Below Normal
Average	640,000	1,160,000	640,000	1,330,000	3,770,000	270,000	460,000	270,000	425,000	1,425,000	3,093,639	300,923	Below Normal
Wet	930,000	1,620,000	910,000	1,740,000	5,200,000	380,000	560,000	325,000	515,000	1,780,000	4,022,639	300,923	Wet

TABLE 4
Tuolumne FERC flows
DWR SJ Basin Index Forecast
23-Mar-10 **Interm. D-BN (90% Index)**
Annual Vol. = 160,065
Spring pulse vol. = 35,920

VAMP period of Apr25-May25 at Vernalis
(23Apr-May23 at La Grange)

(50% Index)
Annual Vol. = 300,923
Spring pulse vol. = 89,882

	base flow	pulse flow	pulse AF	Total flow	base flow	pulse flow	pulse AF	Total flow	2009 schedule
15-Apr-10	180	120	238	300	300	0	0	300	180
16-Apr-10	180	120	238	300	300	0	0	300	190
17-Apr-10	180	120	238	300	300	0	0	300	260
18-Apr-10	180	120	238	300	300	450	893	750	390
19-Apr-10	180	120	238	300	300	1,000	1,983	1,300	630
20-Apr-10	180	120	238	300	300	1,000	1,983	1,300	640
21-Apr-10	180	120	238	300	300	1,000	1,983	1,300	640
22-Apr-10	180	280	555	460	300	1,000	1,983	1,300	640
23-Apr-10	180	720	1,428	900	300	1,000	1,983	1,300	640
24-Apr-10	180	720	1,428	900	300	800	1,587	1,100	640
25-Apr-10	180	720	1,428	900	300	600	1,190	900	640
26-Apr-10	180	720	1,428	900	300	600	1,190	900	640
27-Apr-10	180	720	1,428	900	300	600	1,190	900	640
28-Apr-10	180	650	1,289	830	300	600	1,190	900	460
29-Apr-10	180	450	893	630	300	1,200	2,380	1,500	460
30-Apr-10	180	300	595	480	300	1,200	2,380	1,500	460
1-May-10	180	300	595	480	300	1,200	2,380	1,500	460
2-May-10	180	300	595	480	300	1,200	2,380	1,500	460
3-May-10	180	720	1,428	900	300	1,200	2,380	1,500	460
4-May-10	180	720	1,428	900	300	900	1,785	1,200	460
5-May-10	180	720	1,428	900	300	700	1,388	1,000	580
6-May-10	180	720	1,428	900	300	600	1,190	900	780
7-May-10	180	720	1,428	900	300	600	1,190	900	880
8-May-10	180	650	1,289	830	300	600	1,190	900	880
9-May-10	180	450	893	630	300	1,400	2,777	1,700	930
10-May-10	180	300	595	480	300	1,400	2,777	1,700	930
11-May-10	180	300	595	480	300	1,400	2,777	1,700	930
12-May-10	180	300	595	480	300	1,400	2,777	1,700	930
13-May-10	180	720	1,428	900	300	1,400	2,777	1,700	930
14-May-10	180	720	1,428	900	300	1,100	2,182	1,400	930
15-May-10	180	720	1,428	900	300	900	1,785	1,200	930
16-May-10	180	720	1,428	900	300	800	1,587	1,100	930
17-May-10	180	720	1,428	900	300	800	1,587	1,100	930
18-May-10	180	600	1,190	780	300	800	1,587	1,100	880
19-May-10	180	500	992	680	300	1,200	2,380	1,500	880
20-May-10	180	400	793	580	300	1,650	3,273	1,950	830
21-May-10	180	300	595	480	300	1,650	3,273	1,950	680
22-May-10	180	200	397	380	300	1,650	3,273	1,950	580
23-May-10	180	120	238	300	300	1,565	3,104	1,865	480
24-May-10	180	70	139	250	300	1,400	2,777	1,700	480
25-May-10	180	0	0	180	300	1,200	2,380	1,500	380
26-May-10	180			180	300	1,050	2,083	1,350	380
27-May-10	180			180	300	900	1,785	1,200	380
28-May-10	180			180	300	700	1,388	1,000	305
29-May-10	180			180	300	600	1,190	900	305
30-May-10	180			180	300	500	992	800	265
31-May-10	135			135	300	400	793	700	265
1-Jun-10	100			100	250	350	694	600	265
2-Jun-10	75			75	250	300	595	550	265
3-Jun-10	75			75	250	250	496	500	210
4-Jun-10	75			75	250	200	397	450	210
5-Jun-10	75			75	250	150	298	400	210
6-Jun-10	75			75	250	100	198	350	210
7-Jun-10	75			75	250	50	99	300	210
8-Jun-10	75			75	250		0	250	105
9-Jun-10	75			75	250		0	250	105
10-Jun-10	75			75	250		0	250	105
11-Jun-10	75			75	250		0	250	105
12-Jun-10	75			75	250		0	250	105
13-Jun-10	75			75	250		0	250	105
14-Jun-10	75			75	250		0	250	105
15-Jun-10	75			75	250		0	250	105
16-Jun-10	75			75	250		0	250	75
17-Jun-10	75			75	250		0	250	75
18-Jun-10	75			75	250		0	250	75
19-Jun-10	75			75	250		0	250	75
			Total pulse 35,921	VAMP avg. 726			Total pulse 89,881	VAMP avg. 1,355	VAMP avg 681