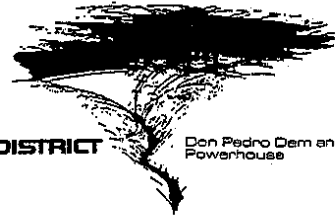


**TURLOCK IRRIGATION DISTRICT**

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

Don Pedro Dam and  
Powerhouse



April 8, 2005

Mr. Dean Marston  
California Dept. of Fish and Game  
1234 E. Shaw Ave.  
Fresno, CA 93710

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

RE: Tuolumne River 2005-2006 FERC Article 37 Flow Schedule for P-2299

Dear Fishery Agency representatives:

The 1996 FERC Order, Amended Article 37, contained a Water Year Classification Index for determining the volume of scheduled stream flows for each fish flow year. The classifications were based on the San Joaquin Basin 60-20-20 Indices for water years 1906-1995. The order stated, "60-20-20 index numbers used each year shall be updated to incorporate subsequent water years pursuant to standard Water Resources Department procedures so as to maintain approximately the same frequency distribution of water year types." The index is updated to incorporate water years 1996 through 2004 (TABLE 1). While the frequency distribution remains the same, some index numbers may change slightly with each annual update to maintain the frequency distribution. The DWR April 1, 2005 60-20-20 San Joaquin Basin Index 50% exceedence forecast of 4,329,987 corresponds to the maximum amount of 300,923 acre-feet (AF) of volume for the fish flow year (TABLE 1). The 90% exceedence forecast index was 3,957,987, also corresponding to 300,923 AF.

Attached is the initial Tuolumne River flow schedule for the 2004-2005 FERC fish flow year (TABLE 2). The current schedule reflects a delay in the spring pulse flow period as part of Vernalis Adaptive Management Plan (VAMP) coordination in the San Joaquin basin and fall pulse timing and pattern similar to 2001 that may be adjusted later..

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

Sincerely,

Robert Nees  
Assistant General Manager  
Water Resources and Regulatory Affairs Administration

C: Larry Weis - TID  
Allen Short - MID  
Magalie Salas - FERC Secretary



TABLE 1

MINIMUM TUOLUMNE RIVER FLOW REQUIREMENT BASED ON 1986 SETTLEMENT AGREEMENT  
INDEX CUTOFFS BASED ON SAN JOAQUIN 602020 INDEX UPDATED THROUGH WATER YEAR 2004

	BASE FLOW C.F.S.											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 CRITICAL WATER YEAR AND BELOW	0	150	150	150	150	150	150	150	150	150	150	150
2 MEDIAN CRITICAL WATER YEAR	1,478	180	180	180	180	180	180	180	180	180	180	180
3 INTERMEDIATE CO WATER YEAR	2,002	180	180	180	180	180	180	180	180	180	180	180
4 MEDIAN DRY	2,187	150	150	150	150	150	150	150	150	150	150	150
5 INTERMEDIATE D-DRY	2,403	180	180	180	180	180	180	180	180	180	180	180
6 MEDIAN BELOW NORMAL	2,698	175	175	175	175	175	175	175	175	175	175	175
7 INTERMEDIATE BN-AN	3,139	300	300	300	300	300	300	300	300	300	300	300
8 MEDIAN ABOVE NORMAL	3,689	300	300	300	300	300	300	300	300	300	300	300
9 INTERMEDIATE AN-W	3,898	300	300	300	300	300	300	300	300	300	300	300
10 MEDIAN WET/MAXIMUM	4,593	300	300	300	300	300	300	300	300	300	300	300

	PULSE FLOWS A.F.											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 CRITICAL WATER YEAR AND BELOW	0											
2 MEDIAN CRITICAL WATER YEAR	1,478			11,091								
3 INTERMEDIATE CO WATER YEAR	2,002			32,618								
4 MEDIAN DRY	2,187			37,060								
5 INTERMEDIATE D-DRY	2,403			35,920								
6 MEDIAN BELOW NORMAL	2,698			60,027						1,676		
7 INTERMEDIATE BN-AN	3,139			89,892						1,796		
8 MEDIAN ABOVE NORMAL	3,689			89,892						6,960		
9 INTERMEDIATE AN-W	3,898			89,892						6,960		
10 MEDIAN WET/MAXIMUM	4,593			89,892						6,960		

	TOTAL MINIMUM FLOW REQUIREMENT A.F.											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 CRITICAL WATER YEAR AND BELOW	0	0	0	0	0	0	0	0	0	0	0	0
2 MEDIAN CRITICAL WATER YEAR	8,223	8,331	9,223	20,017	9,223	2,975	3,074	3,074	2,975	7,736	8,926	9,223
3 INTERMEDIATE CO WATER YEAR	2,002	8,331	9,223	29,017	9,223	2,975	3,074	3,074	2,975	7,736	8,926	9,223
4 MEDIAN DRY	2,187	8,223	9,223	41,545	9,223	2,975	3,074	3,074	2,975	7,736	8,926	9,223
5 INTERMEDIATE D-DRY	2,403	11,088	9,997	46,996	9,223	4,483	4,612	4,612	4,483	9,223	8,926	9,223
6 MEDIAN BELOW NORMAL	2,698	10,780	9,719	11,088	11,088	4,483	4,612	4,612	4,483	12,744	10,711	11,068
7 INTERMEDIATE BN-AN	3,139	18,446	16,961	10,780	10,780	4,483	4,612	4,612	4,483	13,240	10,413	10,760
8 MEDIAN ABOVE NORMAL	3,689	18,446	16,961	107,733	18,446	14,876	15,372	15,372	14,876	24,396	17,661	18,446
9 INTERMEDIATE AN-W	3,898	18,446	16,961	107,733	18,446	14,876	15,372	15,372	14,876	24,396	17,661	18,446
10 MEDIAN WET/MAXIMUM	10,000	18,446	16,961	107,733	18,446	14,876	15,372	15,372	14,876	24,396	17,661	18,446
TOTAL												

**TABLE 2**  
**Tuolumne River Flow Schedule**  
**Default**  
**SCHEDULE FOR 2005 - 2006 Fish Flow Year**

DATE		Number of DAYS	BASE FLOW			PULSE FLOW			ADDITIONAL FLOW			TOTAL FERC FLOW	
From:	To:		CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	ACCUM. A.F.
15-Apr-2005	15-Apr-2005	1	300	595	595	0	0	0	0	0	0	300	595
16-Apr-2005	16-Apr-2005	1	300	595	1,190	0	0	0	0	0	0	300	1,190
17-Apr-2005	17-Apr-2005	1	300	595	1,785	0	0	0	0	0	0	300	1,785
18-Apr-2005	18-Apr-2005	1	300	595	2,380	0	0	0	0	0	0	300	2,380
19-Apr-2005	19-Apr-2005	1	300	595	2,975	0	0	0	0	0	0	300	2,975
20-Apr-2005	20-Apr-2005	1	300	595	3,570	0	0	0	0	0	0	300	3,570
21-Apr-2005	21-Apr-2005	1	300	595	4,165	0	0	0	0	0	0	300	4,165
22-Apr-2005	22-Apr-2005	1	300	595	4,760	0	0	0	0	0	0	300	4,760
23-Apr-2005	23-Apr-2005	1	300	595	5,355	0	0	0	0	0	0	300	5,355
24-Apr-2005	24-Apr-2005	1	300	595	5,950	0	0	0	0	0	0	300	5,950
25-Apr-2005	25-Apr-2005	1	300	595	6,545	0	0	0	0	0	0	300	6,545
26-Apr-2005	26-Apr-2005	1	300	595	7,140	0	0	0	0	0	0	300	7,140
27-Apr-2005	27-Apr-2005	1	300	595	7,735	0	0	0	0	0	0	300	7,735
28-Apr-2005	28-Apr-2005	1	300	595	8,331	0	0	0	0	0	0	300	8,331
29-Apr-2005	29-Apr-2005	1	300	595	8,926	0	0	0	0	0	0	300	8,926
30-Apr-2005	30-Apr-2005	1	300	595	9,521	550	1,091	1,091	0	0	0	850	10,612
01-May-2005	01-May-2005	1	300	595	10,116	1417	2,811	3,902	0	0	0	1,717	14,018
02-May-2005	02-May-2005	1	300	595	10,711	1417	2,811	6,713	0	0	0	1,717	17,424
03-May-2005	03-May-2005	1	300	595	11,306	1417	2,811	9,524	0	0	0	1,717	20,829
04-May-2005	04-May-2005	1	300	595	11,901	1417	2,811	12,335	0	0	0	1,717	24,235
05-May-2005	05-May-2005	1	300	595	12,496	1417	2,811	15,146	0	0	0	1,717	27,641
06-May-2005	06-May-2005	1	300	595	13,091	1417	2,811	17,957	0	0	0	1,717	31,047
07-May-2005	07-May-2005	1	300	595	13,686	1417	2,811	20,767	0	0	0	1,717	34,453
08-May-2005	08-May-2005	1	300	595	14,281	1417	2,811	23,578	0	0	0	1,717	37,859
09-May-2005	09-May-2005	1	300	595	14,876	1417	2,811	26,389	0	0	0	1,717	41,265
10-May-2005	10-May-2005	1	300	595	15,471	1417	2,811	29,200	0	0	0	1,717	44,671
11-May-2005	11-May-2005	1	300	595	16,066	1417	2,811	32,011	0	0	0	1,717	48,077
12-May-2005	12-May-2005	1	300	595	16,661	1417	2,811	34,822	0	0	0	1,717	51,483
13-May-2005	13-May-2005	1	300	595	17,256	1417	2,811	37,633	0	0	0	1,717	54,889
14-May-2005	14-May-2005	1	300	595	17,851	1417	2,811	40,444	0	0	0	1,717	58,295
15-May-2005	15-May-2005	1	300	595	18,446	1417	2,811	43,255	0	0	0	1,717	61,701
16-May-2005	16-May-2005	1	300	595	19,041	1417	2,811	46,066	0	0	0	1,717	65,107
17-May-2005	17-May-2005	1	300	595	19,636	1417	2,811	48,877	0	0	0	1,717	68,513
18-May-2005	18-May-2005	1	300	595	20,231	1417	2,811	51,688	0	0	0	1,717	71,919
19-May-2005	19-May-2005	1	300	595	20,826	1417	2,811	54,499	0	0	0	1,717	75,325
20-May-2005	20-May-2005	1	300	595	21,421	1417	2,811	57,310	0	0	0	1,717	78,731
21-May-2005	21-May-2005	1	300	595	22,016	1417	2,811	60,121	0	0	0	1,717	82,137
22-May-2005	22-May-2005	1	300	595	22,611	1417	2,811	62,931	0	0	0	1,717	85,543
23-May-2005	23-May-2005	1	300	595	23,206	1417	2,811	65,742	0	0	0	1,717	88,949
24-May-2005	24-May-2005	1	300	595	23,801	1417	2,811	68,553	0	0	0	1,717	92,355
25-May-2005	25-May-2005	1	300	595	24,396	1417	2,811	71,364	0	0	0	1,717	95,761
26-May-2005	26-May-2005	1	300	595	24,991	1417	2,811	74,175	0	0	0	1,717	99,167
27-May-2005	27-May-2005	1	300	595	25,586	1417	2,811	76,986	0	0	0	1,717	102,573
28-May-2005	28-May-2005	1	300	595	26,181	1417	2,811	79,797	0	0	0	1,717	105,979
29-May-2005	29-May-2005	1	300	595	26,776	1417	2,811	82,608	0	0	0	1,717	109,385
30-May-2005	30-May-2005	1	300	595	27,371	1417	2,811	85,419	0	0	0	1,717	112,791
31-May-2005	31-May-2005	1	300	595	27,966	750	1,488	86,907	0	0	0	1,050	114,872
01-Jun-2005	01-Jun-2005	1	250	496	28,463	600	1,190	88,097	0	0	0	850	116,559
02-Jun-2005	02-Jun-2005	1	250	496	28,959	450	893	88,989	0	0	0	700	117,948
03-Jun-2005	03-Jun-2005	1	250	496	29,455	300	595	89,584	0	0	0	550	119,039
04-Jun-2005	04-Jun-2005	1	250	496	29,950	150	298	89,882	0	0	0	400	119,832
05-Jun-2005	30-Jun-2005	26	250	12,893	42,843	0	0	89,882	0	0	0	250	132,725
01-Jul-2005	31-Jul-2005	31	250	15,372	58,215	0	0	89,882	0	0	0	250	148,097
01-Aug-2005	31-Aug-2005	31	250	15,372	73,587	0	0	89,882	0	0	0	250	163,468
01-Sep-2005	30-Sep-2005	30	250	14,876	88,463	0	0	89,882	0	0	0	250	178,245
01-Oct-2005	01-Oct-2005	1	300	595	89,058	0	0	89,882	0	0	0	300	178,940
02-Oct-2005	07-Oct-2005	6	300	3,570	92,628	200	3,380	92,262	0	0	0	500	184,890
08-Oct-2005	13-Oct-2005	6	300	3,570	96,198	150	1,785	94,047	0	0	0	450	190,245
14-Oct-2005	19-Oct-2005	6	300	3,570	99,768	100	1,190	95,237	0	0	0	400	195,006
20-Oct-2005	25-Oct-2005	6	300	3,570	103,338	50	595	95,832	0	0	0	350	199,171
26-Oct-2005	31-Oct-2005	6	300	3,570	106,908	0	0	95,832	0	0	0	300	202,741
01-Nov-2005	30-Nov-2005	30	300	17,851	124,760	0	0	95,832	0	0	0	300	220,592
01-Dec-2005	31-Dec-2005	31	300	18,446	143,207	0	0	95,832	0	0	0	300	239,039
01-Jan-2006	31-Jan-2006	31	300	18,446	161,653	0	0	95,832	0	0	0	300	257,485
01-Feb-2006	28-Feb-2006	28	300	16,661	178,314	0	0	95,832	0	0	0	300	274,146
01-Mar-2006	31-Mar-2006	31	300	18,446	196,760	0	0	95,832	0	0	0	300	292,592
01-Apr-2006	14-Apr-2006	14	300	8,331	205,091	0	0	95,832	0	0	0	300	300,923

No. of days (April 15 through April 14)

1 cfs day = 1,983,471 acre-feet (af)  
 Notes: 1. Based on 60-20-20 Index is 4,329,587 July 31, 1996 FERC Order Flow Interpolated as 300,923 AF fish flow year requirement.  
 2. The pulse flows are a target that represents a daily average.  
 3. Base flow amounts shown prior to April 15 are not included in this year's total.