



DEPARTMENT OF FISH AND GAME

<http://www.dfg.ca.gov>  
1234 East Shaw Avenue  
Fresno, CA 93710  
(559) 243-4005



April 20, 2005

Mr. Robert Nees  
Assistant General Manager  
Water Resources and Regulatory Affairs  
Post Office Box 949  
Turlock, California 95381

Dear Mr. Nees:

Tuolumne River 2005-2006 FERC Article 37 Flow Schedule

Pursuant to FERC License No. 2299, Article 37, the Department of Fish and Game (Department) provides the attached flow schedule for the Tuolumne River based upon the Department of Water Resources' April 1, 2005, 60-20-20 San Joaquin Basin Index 50% exceedence forecast of 4,329,987 acre-feet which Mr. Wes Monier (Turlock Irrigation District biologist) provided to Mr. Dean Marston of my staff via e-mail on April 8, 2005 (attached).

If you have any questions, please contact Mr. Dean Marston, Staff Environmental Scientist, at (559) 243-4014, extension 241.

Sincerely,

W. E. Loudermilk  
Regional Manager

Attachment

cc: See page two.

Mr. Robert Nees  
April 20, 2005  
Page Two

cc: Mr. Dean Marston  
Department of Fish and Game, SJVSSR

Mr. Dale Mitchell  
Department of Fish and Game, SJVSSR

Ms. Pat Brantley  
Department of Fish and Game, SJVSSR

Mr. Tim Heyne  
DF Department of Fish and Game, SJVSSR

Mr. Doug Ridgway  
Department of Fish and Game, SJVSSR

Mr. Dennis Blakeman  
Department of Fish and Game, SJVSSR

Lt. Phil McKay  
Department of Fish and Game, SJVSSR

Mr. Jim White  
Department of Fish and Game

✓ Mr. Tim Ford  
Turlock Irrigation District

Mr. Jeff McLain  
NOAA Fisheries

Mr. Roger Guinee  
U. S. Fish and Wildlife Service

Mr. Russ Belmer  
U.S. Fish and Wildlife Service

Mr. Carl Mesick  
U. S. Fish and Wildlife Service

Ms. Deborah Giglio  
U. S. Fish and Wildlife Service

**TABLE 2**  
 Revised Tuolumne River Flow Schedule (4/19/05)  
 Default

**SCHEDULE FOR 2005 - 2006 Fish Flow Year**

DATE		Flood Release		River Flow		BASE FLOW			PULSE FLOW			ADDITIONAL FLOW			TOTAL PERC FLOW	
From:	To:	CFS	CFS	Number of DAYS	CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	AF	ACCUM. A.F.	CFS	ACCUM. A.F.	
04/15/05	04/16/05	3,700	4,000	1	300	595	595		0	0	0	0	0	0	300	595
04/16/05	04/17/05	3,800	4,100	1	300	595	1,190		0	0	0	0	0	0	300	1,190
04/17/05	04/18/05	3,800	4,300	1	300	595	1,785		0	0	0	0	0	0	300	1,785
04/18/05	04/19/05	3,800	4,500	1	300	595	2,380		0	0	0	0	0	0	300	2,380
04/19/05	04/20/05	3,800	4,700	1	300	595	2,975		0	0	0	0	0	0	300	2,975
04/20/05	04/21/05	3,800	4,900	1	300	595	3,570		0	0	0	0	0	0	300	3,570
04/21/05	04/22/05	3,800	4,300	1	300	595	4,165		0	0	0	0	0	0	300	4,165
04/22/05	04/23/05	3,800	4,100	1	300	595	4,760		0	0	0	0	0	0	300	4,760
04/23/05	04/24/05	3,800	4,100	1	300	595	5,355		0	0	0	0	0	0	300	5,355
04/24/05	04/25/05	3,800	4,100	1	300	595	5,950		0	0	0	0	0	0	300	5,950
04/25/05	04/26/05	4,000	4,300	1	300	595	6,545		0	0	0	0	0	0	300	6,545
04/26/05	04/27/05	4,200	4,500	1	300	595	7,140		0	0	0	0	0	0	300	7,140
04/27/05	04/28/05	4,400	4,700	1	300	595	7,735		0	0	0	0	0	0	300	7,735
04/28/05	04/29/05	4,600	4,900	1	300	595	8,330		0	0	0	0	0	0	300	8,330
04/29/05	04/30/05	4,700	5,000	1	300	595	8,925		0	0	0	0	0	0	300	8,925
04/30/05	05/01/05	4,700	5,000	1	300	595	9,520		0	0	0	0	0	0	300	9,520
05/01/05	05/02/05	3,239	5,000	1	300	595	10,115	1,461	2,898	2,898	0	0	0	0	1,761	13,014
05/02/05	05/03/05	3,239	5,000	1	300	596	10,711	1,461	2,898	5,796	0	0	0	0	1,761	16,506
05/03/05	05/04/05	3,239	5,000	1	300	595	11,306	1,461	2,898	8,694	0	0	0	0	1,761	19,899
05/04/05	05/05/05	3,239	5,000	1	300	595	11,901	1,461	2,898	11,591	0	0	0	0	1,761	23,482
05/05/05	05/06/05	3,239	5,000	1	300	595	12,496	1,461	2,898	14,489	0	0	0	0	1,761	26,955
05/06/05	05/07/05	3,239	5,000	1	300	596	13,091	1,461	2,898	17,387	0	0	0	0	1,761	30,478
05/07/05	05/08/05	3,239	5,000	1	300	595	13,686	1,461	2,898	20,285	0	0	0	0	1,761	33,971
05/08/05	05/09/05	3,239	5,000	1	300	595	14,281	1,461	2,898	23,183	0	0	0	0	1,761	37,464
05/09/05	05/10/05	3,239	5,000	1	300	595	14,876	1,461	2,898	26,081	0	0	0	0	1,761	40,957
05/10/05	05/11/05	3,239	5,000	1	300	595	15,471	1,461	2,898	28,979	0	0	0	0	1,761	44,450
05/11/05	05/12/05	3,239	5,000	1	300	595	16,066	1,461	2,898	31,876	0	0	0	0	1,761	47,942
05/12/05	05/13/05	3,239	5,000	1	300	595	16,661	1,461	2,898	34,774	0	0	0	0	1,761	51,435
05/13/05	05/14/05	3,239	5,000	1	300	595	17,256	1,461	2,898	37,672	0	0	0	0	1,761	54,928
05/14/05	05/15/05	3,239	5,000	1	300	595	17,851	1,461	2,898	40,570	0	0	0	0	1,761	58,421
05/15/05	05/16/05	3,239	5,000	1	300	595	18,446	1,461	2,898	43,468	0	0	0	0	1,761	61,914
05/16/05	05/17/05	3,239	5,000	1	300	595	19,041	1,461	2,898	46,366	0	0	0	0	1,761	65,407
05/17/05	05/18/05	3,239	5,000	1	300	595	19,636	1,461	2,898	49,264	0	0	0	0	1,761	68,900
05/18/05	05/19/05	3,239	5,000	1	300	595	20,231	1,461	2,898	52,161	0	0	0	0	1,761	72,393
05/19/05	05/20/05	3,239	5,000	1	300	595	20,826	1,461	2,898	55,059	0	0	0	0	1,761	75,886
05/20/05	05/21/05	3,239	5,000	1	300	595	21,421	1,461	2,898	57,957	0	0	0	0	1,761	79,379
05/21/05	05/22/05	3,239	5,000	1	300	595	22,017	1,461	2,898	60,855	0	0	0	0	1,761	82,871
05/22/05	05/23/05	3,239	5,000	1	300	595	22,612	1,461	2,898	63,753	0	0	0	0	1,761	86,364
05/23/05	05/24/05	3,239	5,000	1	300	595	23,207	1,461	2,898	66,651	0	0	0	0	1,761	89,857
05/24/05	05/25/05	3,239	5,000	1	300	595	23,802	1,461	2,898	69,549	0	0	0	0	1,761	93,350
05/25/05	05/26/05	3,239	5,000	1	300	595	24,397	1,461	2,898	72,446	0	0	0	0	1,761	96,843
05/26/05	05/27/05	3,239	5,000	1	300	595	24,992	1,461	2,898	75,344	0	0	0	0	1,761	100,336
05/27/05	05/28/05	3,239	5,000	1	300	595	25,587	1,461	2,898	78,242	0	0	0	0	1,761	103,829
05/28/05	05/29/05	3,239	5,000	1	300	595	26,182	1,461	2,898	81,140	0	0	0	0	1,761	107,322
05/29/05	05/30/05	3,239	5,000	1	300	595	26,777	1,461	2,898	84,038	0	0	0	0	1,761	110,815
05/30/05	05/31/05	3,239	5,000	1	300	595	27,372	1,461	2,898	86,936	0	0	0	0	1,761	114,307
05/31/05	06/01/05	3,239	5,000	1	300	595	27,967	1,461	2,898	89,833	0	0	0	0	1,761	117,800
06/01/05	06/01/05	3,750	4,000	1	250	498	28,463		0	88,833	0	0	0	0	250	118,296
06/02/05	06/02/05	2,750	3,000	1	250	498	28,959		0	88,833	0	0	0	0	250	118,792
06/03/05	06/03/05	1,750	2,000	1	250	498	29,455		0	88,833	0	0	0	0	250	119,288
06/04/05	06/04/05	1,750	2,000	1	250	498	29,950		0	88,833	0	0	0	0	250	119,784
06/05/05	06/05/05	1,750	2,000	25	250	12,893	42,843		0	89,833	0	0	0	0	250	132,678
07/01/05	07/31/05		250	31	250	15,372	58,216		0	89,833	0	0	0	0	250	148,049
08/01/05	08/31/05		250	31	250	15,372	73,587		0	89,833	0	0	0	0	250	163,420
09/01/05	09/30/05		250	30	250	14,878	88,463		0	89,833	0	0	0	0	250	178,296
10/01/05	10/01/05	300		1	300	595	89,058		0	89,833	0	0	0	0	300	178,691
10/02/05	10/07/05	300		6	300	3,570	92,628		0	89,833	0	0	0	0	300	182,481
10/08/05	10/14/05	300		7	300	4,165	96,793		0	89,833	0	0	0	0	300	186,627
10/15/05	10/15/05	500		1	300	595	97,388	200	397	90,230	0	0	0	0	500	187,619
10/16/05	10/16/05	700		1	300	595	97,983	400	793	91,023	0	0	0	0	700	188,007
10/17/05	10/17/05	900		1	300	595	98,578	600	1,190	92,214	0	0	0	0	900	190,792
10/18/05	10/18/05	900		1	300	595	99,174	800	1,190	93,404	0	0	0	0	900	192,577
10/19/05	10/19/05	900		1	300	595	99,769	800	1,190	94,594	0	0	0	0	900	194,362
10/20/05	10/20/05	700		1	300	595	100,364	400	793	95,387	0	0	0	0	700	195,751
10/21/05	10/21/05	500		1	300	595	100,959	200	397	95,784	0	0	0	0	500	196,742
10/22/05	10/22/05	300		4	300	2,300	103,259		0	95,784	0	0	0	0	300	198,133
10/23/05	10/23/05	300		6	300	3,570	106,829		0	95,784	0	0	0	0	300	202,853
11/01/05	11/01/05	300		30	300	17,851	124,780		0	95,784	0	0	0	0	300	220,544
12/01/05	12/31/05	300		31	300	18,446	143,227		0	95,784	0	0	0	0	300	239,890
01/01/06	01/31/06	300		31	300	18,446	161,673		0	95,784	0	0	0	0	300	257,437
02/01/06	02/28/06	300		28	300	16,661	178,314		0	95,784	0	0	0	0	300	274,088
03/01/06	03/31/06	300		31	300	18,446	196,760		0	95,784	0	0	0	0	300	292,544
04/01/06	04/14/06	300		14	300	8,931	205,691		0	95,784	0	0	0	0	300	300,875

No. of days

04/15/05 to 04/14/06 (April 15 through April 14)

1 cfs day = 1,983,471 acre-feet (af)

Notes: 1. Based on 60-20-20 Index at 4,320,987

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

**From:** "Wes Monier" <fwmonier@tid.org>  
**To:** <DMarston@dfg.ca.gov>  
**Date:** 4/8/2005 1:54:45 PM  
**Subject:** Re: Fwd: 2005 Fish Flow Schedule

There is a letter that will be going out today. I am awaiting signature and it will be faxed to you.

However in the mean time, the water year type is "Wet" or there is 300,923 acre-feet for this coming fish year.

Let me know if there is anything else.

Attached is a default schedule that will be in the letter for fish flows.

Let me know if there is anything else.

Thanks  
Wes

>>> Tim Ford 4/7/2005 4:34:02 PM >>>

>>> "Dean Marston" <DMarston@dfg.ca.gov> 4/7/2005 4:32:43 PM >>>  
\*\* High Priority \*\*

Tim,

The DFG has not submitted its annual flow schedule to TID because it awaits receipt of the water year type, and fish water allocation, from TID. Once the DFG receives this, it can prepare, and submit to TID, a fish flow schedule for this year. Can you please send DFG this information in the near future?

Dean

**CC:** "Tim Ford" <tjford@tid.org>