

March 30, 2012

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

Maria Rea
National Marine Fisheries Service
650 Capitol Mall, Suite 8-300
Sacramento, CA 95814-4708

RE: Project 2299 – Minimum Flow Coordination Process for 2012-2013 Fish Flow Year

Dear Fishery Agency Representatives:

The 1996 FERC Order amending 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 that the, "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 now updated to incorporate water years through 2011 (Table 1). While the frequency distribution remains the same, some index numbers may have changed slightly with each annual update to maintain the frequency distribution.

Based on the current index, the minimum flow requirement has been updated in a continuous fashion based on the Department of Water Resources (DWR) monthly forecasts and provided to you on a regular basis.

The current DWR April-July runoff forecast, updated on March 27, was used to calculate the annual minimum flow requirement under the 90% exceedance level resulting in a value of 109,244 AF for the 2012-13 fish flow year. The schedule reflects the following:

- 1) The base flow and pulse flow amounts are as specified in the 1996 FERC Order.
- 2) The timing of the spring pulse flow amounts is consistent with historic practice.
- 3) The spring pulse flows are shown as steady with a rampdown.
- 4) A rampdown to the June flow is shown.
- 5) The "interpolation water" has been placed in the spring to accommodate FERC ordered studies and is consistent with dry year practices. The remaining water has been scheduled in the fall period consistent with historic practice.

Mr. Heyne and Mses, Giglio and Rea

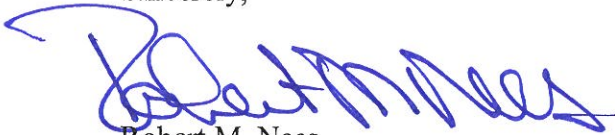
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Accompanying this letter is the flow schedule for the 90% exceedance level which is set to be instituted on April 15, 2012. Due to the extreme dry conditions we are not providing schedules under the average and wet conditions, but should circumstances change we will do so.

Please contact Wes Monier at (209) 883-8321 if you should have questions regarding the flow schedule or wish to discuss alternative methods to fulfill the FERC flow and study requirements.

Sincerely,



Robert M. Nees
Assistant General Manager,
Water Resources

C: Casey Hashimoto - TID
Allen Short – MID
Michael Carlin – CCSF
FERC Secretary



TABLE 1
DETERMINATION OF WATER YEAR CLASSIFICATION THRESHOLDS
Water Year Classification

Water Year Classification	Cumulative Occurrence		Settlement Agreement	602020 INDEX (x 1000)						
	0.0%	-		6.4%	2007	2008	2009	2010	2011	
Critical Water Year and Below	0.0%	-	6.4%	1500	1,515	1,515	1,515	1,515	1,515	
Median Critical Water Year	6.4%	<	14.4%	1500	1,515	1,515	1,515	1,515	1,515	
Intermediate Critical Dry Water Year	14.4%	<	20.5%	2000	2,002	2,002	2,002	2,005	2,005	
Median Dry	20.5%	<	31.3%	2200	2,187	2,187	2,187	2,187	2,187	
Intermediate Dry-Below Normal	31.3%	<	40.4%	2400	2,441	2,441	2,441	2,441	2,442	
Median Below Normal	40.4%	<	50.7%	2700	2,763	2,720	2,725	2,725	2,725	
Intermediate Below Normal-Above Normal	50.7%	<	66.2%	3100	3,183	3,183	3,139	3,183	3,183	
Median Above Normal	66.2%	<	71.3%	3100	3,740	3,740	3,689	3,689	3,740	
Intermediate Above Normal-Wet	71.3%	<	86.7%	3100	4,028	4,028	4,028	3,903	4,028	
Median Wet/Maximum	86.7%	<	100.0%	3100	4,754	4,754	4,754	4,754	4,754	

TABLE 2
Tuolumne River Flow Schedule
Dry Conditions Based on DWR March 27, 2012 Forecast Update
SCHEDULE FOR 2012 - 2013 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-2012	15-Apr-2012	1	150	298	298	0	0	0	0	0	0	150	298
16-Apr-2012	16-Apr-2012	1	150	298	595	0	0	0	0	0	0	150	595
17-Apr-2012	17-Apr-2012	1	150	298	893	0	0	0	0	0	0	150	893
18-Apr-2012	18-Apr-2012	1	150	298	1,190	0	0	0	0	0	0	150	1,190
19-Apr-2012	19-Apr-2012	1	150	298	1,488	0	0	0	0	0	0	150	1,488
20-Apr-2012	20-Apr-2012	1	150	298	1,785	0	0	0	0	0	0	150	1,785
21-Apr-2012	21-Apr-2012	1	150	298	2,083	0	0	0	0	0	0	150	2,083
22-Apr-2012	22-Apr-2012	1	150	298	2,380	0	0	0	0	0	0	150	2,380
23-Apr-2012	23-Apr-2012	1	150	298	2,678	0	0	0	0	0	0	150	2,678
24-Apr-2012	24-Apr-2012	1	150	298	2,975	0	0	0	0	0	0	150	2,975
25-Apr-2012	25-Apr-2012	1	150	298	3,273	0	0	0	0	0	0	150	3,273
26-Apr-2012	26-Apr-2012	1	150	298	3,570	0	0	0	0	0	0	150	3,570
27-Apr-2012	27-Apr-2012	1	150	298	3,868	0	0	0	0	0	0	150	3,868
28-Apr-2012	28-Apr-2012	1	150	298	4,165	0	0	0	0	0	0	150	4,165
29-Apr-2012	29-Apr-2012	1	150	298	4,463	0	0	0	0	0	0	150	4,463
30-Apr-2012	30-Apr-2012	1	150	298	4,760	0	0	0	0	0	0	150	4,760
01-May-2012	01-May-2012	1	150	298	5,058	0	0	0	0	0	0	150	5,058
02-May-2012	02-May-2012	1	150	298	5,355	0	0	0	0	0	0	150	5,355
03-May-2012	03-May-2012	1	150	298	5,653	0	0	0	0	0	0	150	5,653
04-May-2012	04-May-2012	1	150	298	5,950	0	0	0	0	0	0	150	5,950
05-May-2012	05-May-2012	1	150	298	6,248	0	0	0	0	0	0	150	6,248
06-May-2012	06-May-2012	1	150	298	6,545	0	0	0	0	0	0	150	6,545
07-May-2012	07-May-2012	1	150	298	6,843	0	0	0	0	0	0	150	6,843
08-May-2012	08-May-2012	1	150	298	7,140	1,900	3,769	3,769	0	0	0	2,050	10,909
09-May-2012	09-May-2012	1	150	298	7,438	1,900	3,769	7,537	0	0	0	2,050	14,975
10-May-2012	10-May-2012	1	150	298	7,736	0	0	7,537	1900	3,769	3769	2,050	19,041
11-May-2012	11-May-2012	1	150	298	8,033	1,900	3,769	11,306	0	0	3769	2,050	23,107
12-May-2012	12-May-2012	1	150	298	8,331	1,222	2,425	13,730	0	0	3769	1,372	25,830
13-May-2012	13-May-2012	1	150	298	8,628	972	1,929	15,659	0	0	3769	1,122	28,056
14-May-2012	14-May-2012	1	150	298	8,926	722	1,433	17,092	0	0	3769	872	29,786
15-May-2012	15-May-2012	1	150	298	9,223	572	1,135	18,227	0	0	3769	722	31,219
16-May-2012	16-May-2012	1	150	298	9,521	422	838	19,065	0	0	3769	572	32,354
17-May-2012	17-May-2012	1	150	298	9,818	272	540	19,605	0	0	3769	422	33,192
18-May-2012	18-May-2012	1	150	298	10,116	172	342	19,947	0	0	3769	322	33,832
19-May-2012	19-May-2012	1	150	298	10,413	72	144	20,091	0	0	3769	222	34,273
20-May-2012	20-May-2012	1	150	298	10,711	0	0	20,091	0	0	3769	150	34,570
21-May-2012	21-May-2012	1	150	298	11,008	0	0	20,091	0	0	3,769	150	34,868
22-May-2012	22-May-2012	1	150	298	11,306	0	0	20,091	0	0	3,769	150	35,165
23-May-2012	23-May-2012	1	150	298	11,603	0	0	20,091	0	0	3,769	150	35,463
24-May-2012	24-May-2012	1	150	298	11,901	0	0	20,091	0	0	3,769	150	35,760
25-May-2012	25-May-2012	1	150	298	12,198	0	0	20,091	0	0	3,769	150	36,058
26-May-2012	26-May-2012	1	150	298	12,496	0	0	20,091	0	0	3,769	150	36,355
27-May-2012	27-May-2012	1	150	298	12,793	0	0	20,091	0	0	3,769	150	36,653
28-May-2012	28-May-2012	1	150	298	13,091	0	0	20,091	0	0	3,769	150	36,951
29-May-2012	29-May-2012	1	150	298	13,388	0	0	20,091	0	0	3,769	150	37,248
30-May-2012	30-May-2012	1	150	298	13,686	0	0	20,091	0	0	3,769	150	37,546
31-May-2012	31-May-2012	1	150	298	13,983	0	0	20,091	0	0	3,769	150	37,843
01-Jun-2012	01-Jun-2012	1	50	99	14,083	0	0	20,091	0	0	3,769	50	37,942
02-Jun-2012	02-Jun-2012	1	50	99	14,182	0	0	20,091	0	0	3,769	50	38,041
03-Jun-2012	03-Jun-2012	1	50	99	14,281	0	0	20,091	0	0	3,769	50	38,141
04-Jun-2012	04-Jun-2012	1	50	99	14,380	0	0	20,091	0	0	3,769	50	38,240
05-Jun-2012	30-Jun-2012	26	50	2,579	16,959	0	0	20,091	0	0	3,769	50	40,818
01-Jul-2012	31-Jul-2012	31	50	3,074	20,033	0	0	20,091	0	0	3,769	50	43,893
01-Aug-2012	31-Aug-2012	31	50	3,074	23,107	0	0	20,091	0	0	3,769	50	46,967
01-Sep-2012	30-Sep-2012	30	50	2,975	26,083	0	0	20,091	0	0	3,769	50	49,942
01-Oct-2012	01-Oct-2012	1	126	250	26,332	0	0	20,091	0	0	3,769	126	50,192
02-Oct-2012	07-Oct-2012	6	126	1,497	27,829	0	0	20,091	0	0	3,769	126	51,689
08-Oct-2012	10-Oct-2012	3	126	749	28,578	0	0	20,091	0	0	3,769	126	52,438
11-Oct-2012	12-Oct-2012	2	126	499	29,077	0	0	20,091	624	2,476	6,244	750	55,412
13-Oct-2012	14-Oct-2012	2	126	499	29,576	0	0	20,091	0	0	6,244	126	55,912
15-Oct-2012	31-Oct-2012	17	126	4,242	33,818	0	0	20,091	0	0	6,244	126	60,154
01-Nov-2012	30-Nov-2012	30	150	8,926	42,744	0	0	20,091	0	0	6,244	150	69,079
01-Dec-2012	31-Dec-2012	31	150	9,223	51,967	0	0	20,091	0	0	6,244	150	78,302
01-Jan-2013	31-Jan-2013	31	150	9,223	61,190	0	0	20,091	0	0	6,244	150	87,525
01-Feb-2013	28-Feb-2013	28	150	8,331	69,521	0	0	20,091	0	0	6,244	150	95,856
01-Mar-2013	31-Mar-2013	31	150	9,223	78,744	0	0	20,091	0	0	6,244	150	105,079
01-Apr-2013	14-Apr-2013	14	150	4,165	82,909	0	0	20,091	0	0	6,244	150	109,244

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