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

Don Pedro Dam and Powerhouse

October 19, 2009

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 – Update of Water Year Classification Index and Flow Schedule

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 Department of Water Resources (DWR) procedures so as to maintain approximately the same frequency distribution of water year types." The index is now updated to incorporate water years through 2009 (Table 1). While the frequency distribution remains the same, some index numbers may change slightly with each annual update to maintain the frequency distribution.

Since the flow schedule letter of May 5, 2009, TID provided e-mail transmittals on basin index updates and corresponding Article 37 volumes as follows:

- May 15, 2009 based on DWR forecast update of May 12
- May 29, 2009 based on DWR forecast update of May 26
- July 22, 2009 based on DWR forecast update of July 21

On August 18, 2009, TID sent you by e-mail the final Index (2,733,195) and corresponding Article 37 volume (175,791 AF) as shown in Table 2. That amount was 24,569 AF more than initially scheduled in April due to wetter conditions which resulted in a "Median Below Normal" year type. After that notification, phone and e-mail coordination continued with your agencies that included:

- September 3, 2009 e-mail – TID provided a draft schedule utilizing 175,791 AF
- September 16, 2009 e-mail – USFWS provided a draft schedule focusing on allocation of part of the additional water to the fall pulse flow (in coordination with other pulse flows in the basin) and following base flows

TID

- September 30, 2009 e-mail – TID provided a schedule for the remainder of the fish flow year utilizing the USFWS flow proposal, indicating that 10,558 AF remained to be allocated
- September 30, 2009 e-mail – USFWS requested refinements to the schedule that scheduled additional water through December 31
- October 1, 2009 e-mail - USFWS identified that water still remained to be allocated for the January 1 – April 14 period
- October 9, 2009 e-mail – TID confirmed following no further input that the USFWS schedule would be implemented, including the fall pulse flow from October 12-23 followed by 225 cfs through December 31 and 200 cfs for the January 1-April 14 period

Attached is the current flow schedule (Table 3) using the latest values provided by the USFWS in the above coordination process. Further coordination will be needed in determining the disposition of the remaining unallocated volume of 7,049 AF.

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
FERC Secretary

**TABLE 1**
**DETERMINATION OF WATER YEAR CLASSIFICATION THRESHOLDS**
Water Year Classification

| Water Year Classification | Cumulative Occurrence | | | | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|---|
| Critical Water Year and Below | 0.0% | - | 6.4% | < | 1,476 | 1,476 | 1,476 | 1,476 |
| Median Critical Water Year | 6.4% | -< | 14.4% | >= | 1,476 | 1,476 | 1,476 | 1,476 |
| Intermediate Critical Dry Water Year | 14.4% | -< | 20.5% | >= | 2,002 | 1,973 | 1,973 | 1,973 |
| Median Dry | 20.5% | -< | 31.3% | >= | 2,187 | 2,183 | 2,183 | 2,183 |
| Intermediate Dry-Below Normal | 31.3% | -< | 40.4% | >= | 2,441 | 2,403 | 2,403 | 2,403 |
| Median Below Normal | 40.4% | -< | 50.7% | >= | 2,720 | 2,720 | 2,698 | 2,720 |
| * Intermediate Below Normal-Above Normal | 50.7% | -< | 66.2% | >= | 3,183 | 3,139 | 3,139 | 3,080 |
| Median Above Normal | 66.2% | -< | 71.3% | >= | 3,689 | 3,689 | 3,689 | 3,669 |
| Intermediate Above Normal-Wet | 71.3% | -< | 86.7% | >= | 4,028 | 3,903 | 3,903 | 3,903 |
| Median Wet/Maximum | 86.7% | -< | 100.0% | >= | 4,730 | 4,730 | 4,730 | 4,730 |

* Maximum index value for fish flow year is not to go above value shown in this row.

***Table 2***

# 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Feb 1 Forecast | | | | | | | | | | | | |
| Dry | 200,000 | 400,000 | 180,000 | 400,000 | 1,180,000 | 150,000 | 305,000 | 130,000 | 210,000 | 795,000 | 1,279,196 | 94,000 |
| Average | 500,000 | 890,000 | 430,000 | 910,000 | 2,730,000 | 270,000 | 470,000 | 220,000 | 340,000 | 1,300,000 | 2,310,196 | 136,167 |
| Wet | 960,000 | 1,680,000 | 900,000 | 1,730,000 | 5,270,000 | 450,000 | 735,000 | 380,000 | 550,000 | 2,115,000 | 3,997,196 | 300,923 |
| Feb 10 Update | | | | | | | | | | | | |
| Dry | 210,000 | 420,000 | 190,000 | 430,000 | 1,250,000 | 150,000 | 305,000 | 130,000 | 210,000 | 795,000 | 1,321,196 | 94,000 |
| Average | 490,000 | 870,000 | 430,000 | 910,000 | 2,700,000 | 270,000 | 470,000 | 220,000 | 340,000 | 1,300,000 | 2,292,196 | 134,941 |
| Wet | 930,000 | 1,610,000 | 850,000 | 1,660,000 | 5,050,000 | 450,000 | 735,000 | 380,000 | 550,000 | 2,115,000 | 3,865,196 | 300,923 |
| Feb 17 Update | | | | | | | | | | | | |
| Dry | 260,000 | 540,000 | 260,000 | 530,000 | 1,590,000 | 150,000 | 305,000 | 130,000 | 210,000 | 795,000 | 1,525,196 | 104,383 |
| Average | 520,000 | 940,000 | 470,000 | 960,000 | 2,890,000 | 270,000 | 470,000 | 220,000 | 340,000 | 1,300,000 | 2,406,196 | 142,728 |
| Wet | 940,000 | 1,630,000 | 850,000 | 1,650,000 | 5,070,000 | 450,000 | 735,000 | 380,000 | 550,000 | 2,115,000 | 3,877,196 | 300,923 |
| Feb 24 Update | | | | | | | | | | | | |
| Dry | 300,000 | 600,000 | 300,000 | 580,000 | 1,780,000 | 150,000 | 305,000 | 130,000 | 210,000 | 795,000 | 1,639,196 | 107,599 |
| Average | 540,000 | 960,000 | 500,000 | 990,000 | 2,990,000 | 270,000 | 470,000 | 220,000 | 340,000 | 1,300,000 | 2,466,196 | 147,305 |
| Wet | 940,000 | 1,610,000 | 840,000 | 1,620,000 | 5,010,000 | 450,000 | 735,000 | 380,000 | 550,000 | 2,115,000 | 3,841,196 | 300,923 |
| Mar 1 Forecast | | | | | | | | | | | | |
| Dry | 350,000 | 670,000 | 320,000 | 620,000 | 1,960,000 | 230,000 | 410,000 | 190,000 | 285,000 | 1,115,000 | 1,811,196 | 112,452 |
| Average | 560,000 | 980,000 | 500,000 | 980,000 | 3,020,000 | 270,000 | 465,000 | 225,000 | 355,000 | 1,315,000 | 2,487,196 | 148,907 |
| Wet | 950,000 | 1,600,000 | 850,000 | 1,570,000 | 4,970,000 | 350,000 | 570,000 | 290,000 | 455,000 | 1,665,000 | 3,727,196 | 300,923 |
| Mar 10 Update | | | | | | | | | | | | |
| Dry | 460,000 | 870,000 | 390,000 | 750,000 | 2,470,000 | 230,000 | 410,000 | 190,000 | 285,000 | 1,115,000 | 2,117,196 | 124,219 |
| Average | 650,000 | 1,150,000 | 550,000 | 1,060,000 | 3,410,000 | 270,000 | 465,000 | 225,000 | 355,000 | 1,315,000 | 2,721,196 | 172,091 |
| Wet | 1,000,000 | 1,700,000 | 870,000 | 1,570,000 | 5,140,000 | 350,000 | 570,000 | 290,000 | 455,000 | 1,665,000 | 3,829,196 | 300,923 |
| Mar 17 Update | | | | | | | | | | | | |
| Dry | 480,000 | 880,000 | 390,000 | 750,000 | 2,500,000 | 230,000 | 410,000 | 190,000 | 285,000 | 1,115,000 | 2,135,196 | 125,118 |
| Average | 640,000 | 1,130,000 | 530,000 | 1,030,000 | 3,330,000 | 270,000 | 465,000 | 225,000 | 355,000 | 1,315,000 | 2,673,196 | 163,095 |
| Wet | 960,000 | 1,630,000 | 820,000 | 1,490,000 | 4,900,000 | 350,000 | 570,000 | 290,000 | 455,000 | 1,665,000 | 3,685,196 | 300,923 |
| Mar 24 Update | | | | | | | | | | | | |
| Dry | 510,000 | 910,000 | 410,000 | 780,000 | 2,610,000 | 230,000 | 410,000 | 190,000 | 285,000 | 1,115,000 | 2,201,196 | 128,744 |
| Average | 650,000 | 1,130,000 | 530,000 | 1,030,000 | 3,340,000 | 270,000 | 465,000 | 225,000 | 355,000 | 1,315,000 | 2,679,196 | 163,553 |
| Wet | 940,000 | 1,580,000 | 800,000 | 1,430,000 | 4,750,000 | 350,000 | 570,000 | 290,000 | 455,000 | 1,665,000 | 3,595,196 | 300,923 |
| Apr 1 Forecast | | | | | | | | | | | | |
| Dry | 500,000 | 890,000 | 420,000 | 760,000 | 2,570,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,256,196 | 132,489 |
| Average | 620,000 | 1,080,000 | 520,000 | 960,000 | 3,180,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,622,196 | 159,205 |
| Wet | 870,000 | 1,470,000 | 760,000 | 1,300,000 | 4,400,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 3,354,196 | 300,923 |
| Apr 14 Update | | | | | | | | | | | | |
| Dry | 510,000 | 950,000 | 450,000 | 810,000 | 2,720,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,346,196 | 138,618 |
| Average | 620,000 | 1,090,000 | 530,000 | 980,000 | 3,220,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,646,196 | 161,036 |
| Wet | 810,000 | 1,380,000 | 710,000 | 1,250,000 | 4,150,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 3,204,196 | 300,923 |
| Apr 21 Update | | | | | | | | | | | | |
| Dry | 500,000 | 930,000 | 440,000 | 790,000 | 2,660,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,310,196 | 136,167 |
| Average | 600,000 | 1,050,000 | 510,000 | 950,000 | 3,110,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,580,196 | 156,001 |
| Wet | 750,000 | 1,290,000 | 660,000 | 1,180,000 | 3,880,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 3,042,196 | 271,055 |
| Apr 28 Update | | | | | | | | | | | | |
| Dry | 490,000 | 910,000 | 430,000 | 770,000 | 2,600,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,274,196 | 133,715 |
| Average | 590,000 | 1,020,000 | 490,000 | 920,000 | 3,020,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,526,196 | 151,882 |
| Wet | 710,000 | 1,210,000 | 610,000 | 1,110,000 | 3,640,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,898,196 | 226,660 |
| May 1 Forecast | | | | | | | | | | | | |
| Dry | 490,000 | 910,000 | 420,000 | 750,000 | 2,570,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,256,196 | 132,489 |
| Average | 580,000 | 1,010,000 | 480,000 | 900,000 | 2,970,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,496,196 | 149,594 |
| Wet | 680,000 | 1,180,000 | 590,000 | 1,070,000 | 3,520,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,826,196 | 204,463 |
| May 12 Update | | | | | | | | | | | | |
| Dry | 570,000 | 1,030,000 | 490,000 | 850,000 | 2,940,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,478,196 | 148,220 |
| Average | 640,000 | 1,110,000 | 540,000 | 970,000 | 3,260,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,670,196 | 162,866 |
| Wet | 720,000 | 1,260,000 | 630,000 | 1,100,000 | 3,710,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,940,196 | 239,609 |
| May 19 Update | | | | | | | | | | | | |
| Dry | 580,000 | 1,040,000 | 500,000 | 870,000 | 2,990,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,508,196 | 150,509 |
| Average | 640,000 | 1,110,000 | 540,000 | 970,000 | 3,260,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,670,196 | 162,866 |
| Wet | 710,000 | 1,240,000 | 610,000 | 1,080,000 | 3,640,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,898,196 | 226,660 |
| May 26 Update | | | | | | | | | | | | |
| Dry | 580,000 | 1,000,000 | 490,000 | 880,000 | 2,950,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,484,196 | 148,678 |
| Average | 630,000 | 1,100,000 | 530,000 | 950,000 | 3,210,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,640,196 | 160,578 |
| Wet | 690,000 | 1,210,000 | 580,000 | 1,030,000 | 3,510,000 | 340,000 | 545,000 | 250,000 | 375,000 | 1,510,000 | 2,820,196 | 202,613 |
| June 2 Forecast | | | | | | | | | | | | |
| Dry | 580,000 | 1,000,000 | 500,000 | 890,000 | 2,970,000 | 339,493 | 545,114 | 252,434 | 375,366 | 1,512,407 | 2,496,677 | 149,630 |
| Average | 630,000 | 1,100,000 | 530,000 | 950,000 | 3,210,000 | 339,493 | 545,114 | 252,434 | 375,366 | 1,512,407 | 2,640,677 | 160,615 |
| Wet | 680,000 | 1,200,000 | 570,000 | 1,020,000 | 3,470,000 | 339,493 | 545,114 | 252,434 | 375,366 | 1,512,407 | 2,796,677 | 195,362 |
| June 09 Update | | | | | | | | | | | | |
| Dry | 590,000 | 1,010,000 | 510,000 | 910,000 | 3,020,000 | 339,493 | 545,114 | 252,434 | 375,366 | 1,512,407 | 2,526,677 | 151,919 |
| Average | 630,000 | 1,100,000 | 540,000 | 970,000 | 3,240,000 | 339,493 | 545,114 | 252,434 | 375,366 | 1,512,407 | 2,658,677 | 161,988 |
| Wet | 670,000 | 1,190,000 | 580,000 | 1,040,000 | 3,480,000 | 339,493 | 545,114 | 252,434 | 375,366 | 1,512,407 | 2,802,677 | 197,212 |
| July 21 Meeting With DWR | | | | | | | | | | | | |
| Average | 658,081 | 1,111,727 | 555,524 | 1,050,095 | 3,375,427 | 339,493 | 545,114 | 252,434 | 375,366 | 1,512,407 | 2,741,456 | 178,338 |
| Final Numbers as Reported by DWR | | | | | | | | | | | | |
| Average | 655,894 | 1,104,952 | 561,036 | 1,042,315 | 3,364,197 | 339,493 | 545,114 | 252,434 | 375,366 | 1,512,407 | 2,733,195 | 175,791 |

**TABLE 3**

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 | 14-Apr-2010 | 14 | 175 | 4,860 | 103,706 | 0 | 0 | 45,669 | | 0 | 10788 | 25 | 694 | 8,579 | 200 | 168,742 | |
| 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.