| DETERMINATION OF WATER YEAR CLASSIFICATION THRESHOLDS | | | | | | | |
|---|---|---|---|---|---|---|---|
| Water Year Classification | | | | | | | |
| | | | | | | | |
| | | | | | 602020 INDEX (x 1000) | | |
| Water Year Classification | Cumulative Occurrence | | | | Settlement Agreement | 2014 | 2015 |
| Critical Water Year and Below | 0.0% | - | 6.4% | < | 1500 | 1,476 | 1,476 |
| Median Critical Water Year | 6.4% | -< | 14.4% | >= | 1500 | 1,476 | 1,476 |
| Intermediate Critical Dry Water Year | 14.4% | -< | 20.5% | >= | 2000 | 1,973 | 1,964 |
| Median Dry | 20.5% | -< | 31.3% | >= | 2200 | 2,183 | 2,159 |
| Intermediate Dry-Below Normal | 31.3% | -< | 40.4% | >= | 2400 | 2,403 | 2,396 |
| Median Below Normal | 40.4% | -< | 50.7% | >= | 2700 | 2,720 | 2,698 |
| Intermediate Below Normal-Above Normal | 50.7% | -< | 66.2% | >= | 3100 | 3,139 | 3,080 |
| Median Above Normal | 66.2% | -< | 71.3% | >= | 3100 | 3,689 | 3,669 |
| Intermediate Above Normal-Wet | 71.3% | -< | 86.7% | >= | 3100 | 3,903 | 3,903 |
| Median Wet/Maximum | 86.7% | -< | 100.0% | >= | 3100 | 4,754 | 4,754 |
| | | | | | | | |
| Maximum index value for fish flow year is not to go above value shown in this row. | | | | | | | |
| The index in the Settlement Agreement was based on Water Years 1906-1995 | | | | | | | |

# SAN JOAQUIN VALLEY WATER YEAR HYDROLOGIC CLASSIFICATION

## *602020 INDEX*

| | APRIL-JULY RUNOFF (AF) | | | | | OCTOBER-MARCH RUNOFF (AF) | | | | | 602020 | TUOLUMNE RIVER | San Joaquin Index (not the FERC Index) | FERC Index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YEAR | STANISLAUS | TUOLUMNE | MERCED | FRIANT | TOTAL | STANISLAUS | TUOLUMNE | MERCED | FRIANT | TOTAL | INDEX | MINIMUM FLOW REQUIREMENT | | RANKING |
| 15 | 133,081 | 307,952 | 104,627 | 192,518 | 738,178 | 190,977 | 276,982 | 74,324 | 123,674 | 665,957 | 808,197 | 94,000 | Critical | CRITICAL WATER YEAR AND BELOW |
| 16 | 568,262 | 1,020,077 | 506,068 | 892,555 | 2,986,962 | 498,746 | 783,833 | 348,750 | 391,110 | 2,022,439 | 2,358,304 | 140,096 | Dry | MEDIAN DRY |
| | | | | | | | | | | | | | | |
| Feb 1 Forecast | | | | | | | | | | | | | | |
| Dry | 510,000 | 900,000 | 440,000 | 790,000 | 2,640,000 | 294,000 | 495,000 | 214,000 | 243,000 | 1,246,000 | 1,994,839 | 118,690 | Critical | INTERMEDIATE C-D WATER YEAR |
| Average | 770,000 | 1,360,000 | 620,000 | 1,170,000 | 3,920,000 | 374,000 | 615,000 | 269,000 | 338,000 | 1,596,000 | 2,832,839 | 212,995 | Below Normal | MEDIAN BELOW NORMAL |
| Wet | 1,230,000 | 2,120,000 | 1,130,000 | 1,990,000 | 6,470,000 | 514,000 | 815,000 | 414,000 | 533,000 | 2,276,000 | 4,498,839 | 300,923 | Wet | INTERMEDIATE AN-W |
| | | | | | | | | | | | | | | |
| Feb 09 Update | | | | | | | | | | | | | | |
| Dry | 500,000 | 870,000 | 420,000 | 750,000 | 2,540,000 | 294,000 | 495,000 | 214,000 | 243,000 | 1,246,000 | 1,934,839 | 116,187 | Critical | MEDIAN CRITICAL WATER YEAR |
| Average | 740,000 | 1,290,000 | 590,000 | 1,110,000 | 3,730,000 | 374,000 | 615,000 | 269,000 | 338,000 | 1,596,000 | 2,718,839 | 172,359 | Below Normal | MEDIAN BELOW NORMAL |
| Wet | 1,180,000 | 2,000,000 | 1,060,000 | 1,870,000 | 6,110,000 | 514,000 | 815,000 | 414,000 | 533,000 | 2,276,000 | 4,282,839 | 300,923 | Wet | INTERMEDIATE AN-W |
| | | | | | | | | | | | | | | |
| Feb 16 Update | | | | | | | | | | | | | | |
| Dry | 470,000 | 810,000 | 390,000 | 680,000 | 2,350,000 | 294,000 | 495,000 | 214,000 | 243,000 | 1,246,000 | 1,820,839 | 112,909 | Critical | MEDIAN CRITICAL WATER YEAR |
| Average | 700,000 | 1,200,000 | 550,000 | 1,020,000 | 3,470,000 | 374,000 | 615,000 | 269,000 | 338,000 | 1,596,000 | 2,562,839 | 154,911 | Below Normal | INTERMEDIATE D-BN |
| Wet | 1,120,000 | 1,870,000 | 980,000 | 1,720,000 | 5,690,000 | 514,000 | 815,000 | 414,000 | 533,000 | 2,276,000 | 4,030,839 | 300,923 | Wet | INTERMEDIATE AN-W |
| | | | | | | | | | | | | | | |
| Feb 23 Update | | | | | | | | | | | | | | |
| Dry | 500,000 | 870,000 | 390,000 | 700,000 | 2,460,000 | 294,000 | 495,000 | 214,000 | 243,000 | 1,246,000 | 1,886,839 | 114,807 | Critical | MEDIAN CRITICAL WATER YEAR |
| Average | 700,000 | 1,190,000 | 540,000 | 1,010,000 | 3,440,000 | 374,000 | 615,000 | 269,000 | 338,000 | 1,596,000 | 2,544,839 | 153,569 | Below Normal | INTERMEDIATE D-BN |
| Wet | 1,110,000 | 1,840,000 | 930,000 | 1,660,000 | 5,540,000 | 514,000 | 815,000 | 414,000 | 533,000 | 2,276,000 | 3,940,839 | 300,923 | Wet | INTERMEDIATE AN-W |
| | | | | | | | | | | | | | | |
| Mar 1 Forecast | | | | | | | | | | | | | | |
| Dry | 470,000 | 820,000 | 360,000 | 670,000 | 2,320,000 | 354,000 | 557,000 | 235,000 | 273,000 | 1,419,000 | 1,837,439 | 113,386 | Critical | MEDIAN CRITICAL WATER YEAR |
| Average | 640,000 | 1,090,000 | 500,000 | 950,000 | 3,180,000 | 399,000 | 642,000 | 161,000 | 328,000 | 1,530,000 | 2,375,639 | 141,191 | Dry | MEDIAN DRY |
| Wet | 1,030,000 | 1,710,000 | 850,000 | 1,540,000 | 5,130,000 | 504,000 | 782,000 | 355,000 | 433,000 | 2,074,000 | 3,654,439 | 300,923 | Above Normal | INTERMEDIATE BN-AN |
| | | | | | | | | | | | | | | |
| Mar 08 Update | | | | | | | | | | | | | | |
| Dry | 520,000 | 930,000 | 420,000 | 780,000 | 2,650,000 | 354,000 | 557,000 | 235,000 | 273,000 | 1,419,000 | 2,035,439 | 120,872 | Critical | INTERMEDIATE C-D WATER YEAR |
| Average | 680,000 | 1,180,000 | 550,000 | 1,040,000 | 3,450,000 | 399,000 | 642,000 | 161,000 | 328,000 | 1,530,000 | 2,537,639 | 153,032 | Below Normal | INTERMEDIATE D-BN |
| Wet | 1,040,000 | 1,730,000 | 870,000 | 1,570,000 | 5,210,000 | 504,000 | 782,000 | 355,000 | 433,000 | 2,074,000 | 3,702,439 | 300,923 | Above Normal | MEDIAN ABOVE NORMAL |
| | | | | | | | | | | | | | | |
| Mar 15 Update | | | | | | | | | | | | | | |
| Dry | 580,000 | 1,020,000 | 470,000 | 830,000 | 2,900,000 | 354,000 | 557,000 | 235,000 | 273,000 | 1,419,000 | 2,185,439 | 129,182 | Dry | MEDIAN DRY |
| Average | 730,000 | 1,250,000 | 590,000 | 1,070,000 | 3,640,000 | 399,000 | 642,000 | 161,000 | 328,000 | 1,530,000 | 2,651,639 | 161,531 | Below Normal | INTERMEDIATE D-BN |
| Wet | 1,060,000 | 1,770,000 | 890,000 | 1,550,000 | 5,270,000 | 504,000 | 782,000 | 355,000 | 433,000 | 2,074,000 | 3,738,439 | 300,923 | Above Normal | MEDIAN ABOVE NORMAL |
| | | | | | | | | | | | | | | |
| Mar 22 Update | | | | | | | | | | | | | | |
| Dry | 590,000 | 1,010,000 | 450,000 | 800,000 | 2,850,000 | 354,000 | 557,000 | 235,000 | 273,000 | 1,419,000 | 2,155,439 | 127,320 | Dry | INTERMEDIATE C-D WATER YEAR |
| Average | 730,000 | 1,220,000 | 560,000 | 1,020,000 | 3,530,000 | 399,000 | 642,000 | 161,000 | 328,000 | 1,530,000 | 2,585,639 | 156,611 | Below Normal | INTERMEDIATE D-BN |
| Wet | 1,030,000 | 1,680,000 | 840,000 | 1,440,000 | 4,990,000 | 504,000 | 782,000 | 355,000 | 433,000 | 2,074,000 | 3,570,439 | 300,923 | Above Normal | INTERMEDIATE BN-AN |
| | | | | | | | | | | | | | | |
| Apr 1 Forecast | | | | | | | | | | | | | | |
| Dry | 560,000 | 970,000 | 420,000 | 740,000 | 2,690,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,180,239 | 128,853 | Dry | MEDIAN DRY |
| Average | 680,000 | 1,140,000 | 520,000 | 930,000 | 3,270,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,528,239 | 152,331 | Below Normal | INTERMEDIATE D-BN |
| Wet | 930,000 | 1,530,000 | 760,000 | 1,270,000 | 4,490,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 3,260,239 | 300,923 | Above Normal | INTERMEDIATE BN-AN |
| | | | | | | | | | | | | | | |
| Apr 12 Update | | | | | | | | | | | | | | |
| Dry | 580,000 | 1,030,000 | 460,000 | 830,000 | 2,900,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,306,239 | 136,809 | Dry | MEDIAN DRY |
| Average | 690,000 | 1,170,000 | 550,000 | 1,010,000 | 3,420,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,618,239 | 159,041 | Below Normal | INTERMEDIATE D-BN |
| Wet | 890,000 | 1,480,000 | 740,000 | 1,290,000 | 4,400,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 3,206,239 | 300,923 | Above Normal | INTERMEDIATE BN-AN |
| | | | | | | | | | | | | | | |
| Apr 19 Update | | | | | | | | | | | | | | |
| Dry | 570,000 | 1,000,000 | 450,000 | 790,000 | 2,810,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,252,239 | 133,399 | Dry | MEDIAN DRY |
| Average | 670,000 | 1,130,000 | 530,000 | 960,000 | 3,290,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,540,239 | 153,226 | Below Normal | INTERMEDIATE D-BN |
| Wet | 830,000 | 1,390,000 | 690,000 | 1,200,000 | 4,110,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 3,032,239 | 284,072 | Below Normal | MEDIAN BELOW NORMAL |
| | | | | | | | | | | | | | | |
| Apr 26 Update | | | | | | | | | | | | | | |
| Dry | 590,000 | 1,050,000 | 480,000 | 800,000 | 2,920,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,318,239 | 137,567 | Dry | MEDIAN DRY |
| Average | 690,000 | 1,160,000 | 550,000 | 960,000 | 3,360,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,582,239 | 156,357 | Below Normal | INTERMEDIATE D-BN |
| Wet | 820,000 | 1,370,000 | 680,000 | 1,160,000 | 4,030,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,984,239 | 266,962 | Below Normal | MEDIAN BELOW NORMAL |
| | | | | | | | | | | | | | | |
| May 1 Forecast | | | | | | | | | | | | | | |
| Dry | 580,000 | 1,040,000 | 470,000 | 790,000 | 2,880,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,294,239 | 136,051 | Dry | MEDIAN DRY |
| Average | 670,000 | 1,140,000 | 530,000 | 940,000 | 3,280,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,534,239 | 152,778 | Below Normal | INTERMEDIATE D-BN |
| Wet | 770,000 | 1,310,000 | 640,000 | 1,110,000 | 3,830,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,864,239 | 224,188 | Below Normal | MEDIAN BELOW NORMAL |
| | | | | | | | | | | | | | | |
| May 10 Update | | | | | | | | | | | | | | |
| Dry | 590,000 | 1,050,000 | 470,000 | 810,000 | 2,920,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,318,239 | 137,567 | Dry | MEDIAN DRY |
| Average | 670,000 | 1,140,000 | 520,000 | 940,000 | 3,270,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,528,239 | 152,331 | Below Normal | INTERMEDIATE D-BN |
| Wet | 750,000 | 1,290,000 | 610,000 | 1,080,000 | 3,730,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,804,239 | 202,800 | Below Normal | MEDIAN BELOW NORMAL |
| | | | | | | | | | | | | | | |
| May 17 Update | | | | | | | | | | | | | | |
| Dry | 600,000 | 1,050,000 | 470,000 | 820,000 | 2,940,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,330,239 | 138,324 | Dry | MEDIAN DRY |
| Average | 660,000 | 1,130,000 | 510,000 | 930,000 | 3,230,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,504,239 | 150,542 | Below Normal | INTERMEDIATE D-BN |
| Wet | 730,000 | 1,260,000 | 580,000 | 1,040,000 | 3,610,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,732,239 | 177,135 | Below Normal | MEDIAN BELOW NORMAL |
| | | | | | | | | | | | | | | |
| May 24 Update | | | | | | | | | | | | | | |
| Dry | 560,000 | 930,000 | 450,000 | 760,000 | 2,700,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,186,239 | 129,232 | Dry | MEDIAN DRY |
| Average | 610,000 | 1,000,000 | 490,000 | 850,000 | 2,950,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,336,239 | 138,703 | Dry | MEDIAN DRY |
| Wet | 670,000 | 1,120,000 | 550,000 | 940,000 | 3,280,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,534,239 | 152,778 | Below Normal | INTERMEDIATE D-BN |
| | | | | | | | | | | | | | | |
| May 31 Update | | | | | | | | | | | | | | |
| Dry | 540,000 | 930,000 | 460,000 | 770,000 | 2,700,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,186,239 | 129,232 | Dry | MEDIAN DRY |
| Average | 580,000 | 990,000 | 490,000 | 840,000 | 2,900,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,306,239 | 136,809 | Dry | MEDIAN DRY |
| Wet | 630,000 | 1,090,000 | 530,000 | 900,000 | 3,150,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,456,239 | 146,963 | Dry | INTERMEDIATE D-BN |
| | | | | | | | | | | | | | | |
| Jun 07 Update | | | | | | | | | | | | | | |
| Dry | 530,000 | 940,000 | 470,000 | 810,000 | 2,750,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,216,239 | 131,126 | Dry | MEDIAN DRY |
| Average | 570,000 | 1,000,000 | 500,000 | 870,000 | 2,940,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,330,239 | 138,324 | Dry | MEDIAN DRY |
| Wet | 610,000 | 1,090,000 | 540,000 | 930,000 | 3,170,000 | 499,000 | 784,000 | 349,000 | 391,000 | 2,023,000 | 2,468,239 | 147,858 | Dry | INTERMEDIATE D-BN |

# DWR Tuolumne River Forecast (2016 April-July)

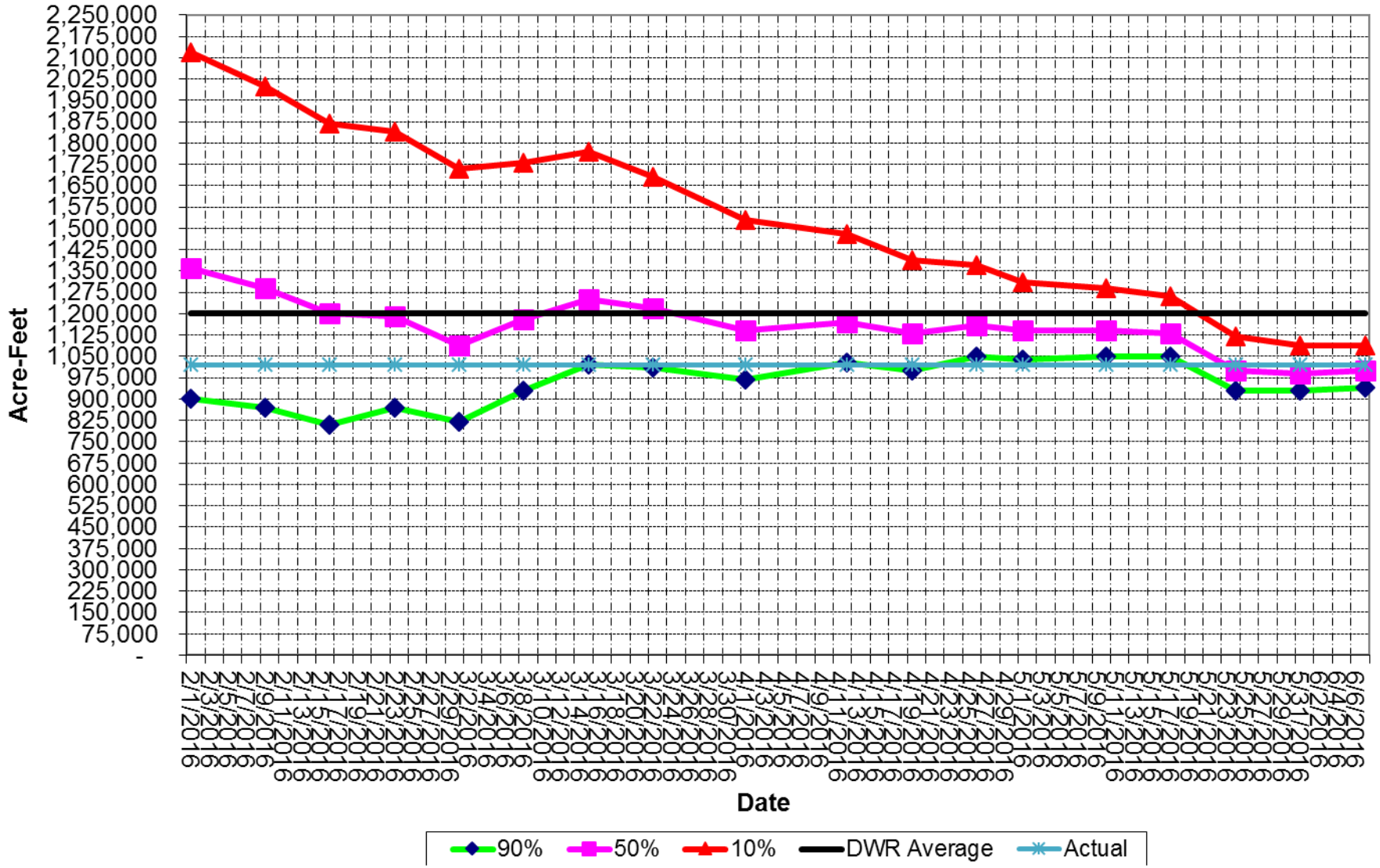


**Table 2**

**Tuolumne River Flow Schedule**

**Based on DWR Final Values, 60-20-20 Index for 2016, Hydrologic Conditions**

**Final Schedule For 2016-2017 Fish Flow Year**

| DATE | | Number of | BASE FLOW [1] | | | PULSE FLOW [2] | | | INTERPOLATION FLOW | | | Other Adjusted Flow | | | TOTAL FERC FLOW | | Agreed Upon |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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.[1] A.F. | |
| 15-Apr-2016 | 15-Apr-2016 | 1 | 180 | 357 | 357 | 792 | 1,572 | 1,572 | 0 | 0 | 0 | 0 | 0 | 0 | 972 | 1,929 | 1 |
| 16-Apr-2016 | 16-Apr-2016 | 1 | 180 | 357 | 714 | 2,438 | 4,836 | 6,408 | 0 | 0 | 0 | 0 | 0 | 0 | 2,618 | 7,122 | 1 |
| 17-Apr-2016 | 17-Apr-2016 | 1 | 180 | 357 | 1,071 | 2,371 | 4,703 | 11,111 | 0 | 0 | 0 | 0 | 0 | 0 | 2,551 | 12,182 | 1 |
| 18-Apr-2016 | 18-Apr-2016 | 1 | 180 | 357 | 1,428 | 771 | 1,530 | 12,640 | 0 | 0 | 0 | 0 | 0 | 0 | 951 | 14,068 | 1 |
| 19-Apr-2016 | 19-Apr-2016 | 1 | 180 | 357 | 1,785 | 201 | 398 | 13,039 | 0 | 0 | 0 | 0 | 0 | 0 | 381 | 14,824 | 1 |
| 20-Apr-2016 | 20-Apr-2016 | 1 | 180 | 357 | 2,142 | 201 | 398 | 13,437 | 0 | 0 | 0 | 0 | 0 | 0 | 381 | 15,579 | 1 |
| 21-Apr-2016 | 21-Apr-2016 | 1 | 180 | 357 | 2,499 | 201 | 398 | 13,836 | 0 | 0 | 0 | 0 | 0 | 0 | 381 | 16,335 | 1 |
| 22-Apr-2016 | 22-Apr-2016 | 1 | 180 | 357 | 2,856 | 1,151 | 2,283 | 16,118 | 0 | 0 | 0 | 0 | 0 | 0 | 1,331 | 18,975 | 1 |
| 23-Apr-2016 | 23-Apr-2016 | 1 | 180 | 357 | 3,213 | 1,832 | 3,633 | 19,751 | 0 | 0 | 0 | 0 | 0 | 0 | 2,012 | 22,965 | 1 |
| 24-Apr-2016 | 24-Apr-2016 | 1 | 180 | 357 | 3,570 | 413 | 818 | 20,570 | 0 | 0 | 0 | 0 | 0 | 0 | 593 | 24,140 | 1 |
| 25-Apr-2016 | 25-Apr-2016 | 1 | 180 | 357 | 3,927 | 201 | 398 | 20,968 | 0 | 0 | 0 | 0 | 0 | 0 | 381 | 24,895 | 1 |
| 26-Apr-2016 | 26-Apr-2016 | 1 | 180 | 357 | 4,284 | 201 | 398 | 21,366 | 0 | 0 | 0 | 0 | 0 | 0 | 381 | 25,651 | 1 |
| 27-Apr-2016 | 27-Apr-2016 | 1 | 180 | 357 | 4,641 | 201 | 398 | 21,765 | 0 | 0 | 0 | 0 | 0 | 0 | 381 | 26,406 | 1 |
| 28-Apr-2016 | 28-Apr-2016 | 1 | 180 | 357 | 4,998 | 201 | 398 | 22,163 | 0 | 0 | 0 | 0 | 0 | 0 | 381 | 27,162 | 1 |
| 29-Apr-2016 | 29-Apr-2016 | 1 | 180 | 357 | 5,355 | 1,103 | 2,188 | 24,352 | 0 | 0 | 0 | 0 | 0 | 0 | 1,283 | 29,707 | 1 |
| 30-Apr-2016 | 30-Apr-2016 | 1 | 180 | 357 | 5,712 | 705 | 1,398 | 25,750 | 0 | 0 | 0 | 0 | 0 | 0 | 885 | 31,463 | 1 |
| 01-May-2016 | 01-May-2016 | 1 | 180 | 357 | 6,069 | 301 | 597 | 26,347 | 0 | 0 | 0 | 0 | 0 | 0 | 481 | 32,416 | 1 |
| 02-May-2016 | 02-May-2016 | 1 | 180 | 357 | 6,426 | 301 | 597 | 26,944 | 0 | 0 | 0 | 0 | 0 | 0 | 481 | 33,370 | 1 |
| 03-May-2016 | 03-May-2016 | 1 | 180 | 357 | 6,783 | 301 | 597 | 27,540 | 0 | 0 | 0 | 0 | 0 | 0 | 481 | 34,324 | 1 |
| 04-May-2016 | 04-May-2016 | 1 | 180 | 357 | 7,140 | 301 | 597 | 28,137 | 0 | 0 | 0 | 0 | 0 | 0 | 481 | 35,278 | 1 |
| 05-May-2016 | 05-May-2016 | 1 | 180 | 357 | 7,498 | 301 | 597 | 28,734 | 0 | 0 | 0 | 0 | 0 | 0 | 481 | 36,232 | 1 |
| 06-May-2016 | 06-May-2016 | 1 | 180 | 357 | 7,855 | 658 | 1,304 | 30,038 | 0 | 0 | 0 | 0 | 0 | 0 | 838 | 37,893 | 1 |
| 07-May-2016 | 07-May-2016 | 1 | 180 | 357 | 8,212 | 401 | 795 | 30,833 | 0 | 0 | 0 | 0 | 0 | 0 | 581 | 39,045 | 1 |
| 08-May-2016 | 08-May-2016 | 1 | 180 | 357 | 8,569 | 401 | 795 | 31,628 | 0 | 0 | 0 | 0 | 0 | 0 | 581 | 40,197 | 1 |
| 09-May-2016 | 09-May-2016 | 1 | 180 | 357 | 8,926 | 401 | 795 | 32,423 | 0 | 0 | 0 | 0 | 0 | 0 | 581 | 41,349 | 1 |
| 10-May-2016 | 10-May-2016 | 1 | 180 | 357 | 9,283 | 401 | 795 | 33,219 | 0 | 0 | 0 | 0 | 0 | 0 | 581 | 42,501 | 1 |
| 11-May-2016 | 11-May-2016 | 1 | 180 | 357 | 9,640 | 401 | 795 | 34,014 | 0 | 0 | 0 | 0 | 0 | 0 | 581 | 43,653 | 1 |
| 12-May-2016 | 12-May-2016 | 1 | 180 | 357 | 9,997 | 401 | 795 | 34,809 | 0 | 0 | 0 | 0 | 0 | 0 | 581 | 44,805 | 1 |
| 13-May-2016 | 13-May-2016 | 1 | 180 | 357 | 10,354 | 401 | 795 | 35,604 | 0 | 0 | 0 | 0 | 0 | 0 | 581 | 45,958 | 1 |
| 14-May-2016 | 14-May-2016 | 1 | 180 | 357 | 10,711 | 159 | 316 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 339 | 46,631 | 1 |
| 15-May-2016 | 15-May-2016 | 1 | 180 | 357 | 11,068 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 46,988 | 1 |
| 16-May-2016 | 16-May-2016 | 1 | 180 | 357 | 11,425 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 47,345 | 1 |
| 17-May-2016 | 17-May-2016 | 1 | 180 | 357 | 11,782 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 47,702 | 1 |
| 18-May-2016 | 18-May-2016 | 1 | 180 | 357 | 12,139 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 48,059 | 1 |
| 19-May-2016 | 19-May-2016 | 1 | 180 | 357 | 12,496 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 48,416 | 1 |
| 20-May-2016 | 20-May-2016 | 1 | 180 | 357 | 12,853 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 48,773 | 1 |
| 21-May-2016 | 21-May-2016 | 1 | 180 | 357 | 13,210 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 49,130 | 1 |
| 22-May-2016 | 22-May-2016 | 1 | 180 | 357 | 13,567 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 49,487 | 1 |
| 23-May-2016 | 23-May-2016 | 1 | 180 | 357 | 13,924 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 49,844 | 1 |
| 24-May-2016 | 24-May-2016 | 1 | 180 | 357 | 14,281 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 50,201 | 1 |
| 25-May-2016 | 25-May-2016 | 1 | 180 | 357 | 14,638 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 50,558 | 1 |
| 26-May-2016 | 26-May-2016 | 1 | 180 | 357 | 14,995 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 50,915 | 1 |
| 27-May-2016 | 27-May-2016 | 1 | 180 | 357 | 15,352 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 51,272 | 1 |
| 28-May-2016 | 28-May-2016 | 1 | 180 | 357 | 15,709 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 51,629 | 1 |
| 29-May-2016 | 29-May-2016 | 1 | 180 | 357 | 16,066 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 51,986 | 1 |
| 30-May-2016 | 30-May-2016 | 1 | 180 | 357 | 16,423 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 52,343 | 1 |
| 31-May-2016 | 31-May-2016 | 1 | 180 | 357 | 16,780 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 52,700 | 1 |
| 01-Jun-2016 | 01-Jun-2016 | 1 | 75 | 149 | 16,929 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 52,849 | 1 |
| 02-Jun-2016 | 02-Jun-2016 | 1 | 75 | 149 | 17,078 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 52,998 | 1 |
| 03-Jun-2016 | 03-Jun-2016 | 1 | 75 | 149 | 17,226 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 53,146 | 1 |
| 04-Jun-2016 | 04-Jun-2016 | 1 | 75 | 149 | 17,375 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 53,295 | 1 |
| 05-Jun-2016 | 05-Jun-2016 | 1 | 75 | 149 | 17,524 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 53,444 | 1 |
| 06-Jun-2016 | 06-Jun-2016 | 1 | 75 | 149 | 17,673 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 53,593 | 1 |
| 07-Jun-2016 | 07-Jun-2016 | 1 | 75 | 149 | 17,821 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 53,741 | 1 |
| 08-Jun-2016 | 08-Jun-2016 | 1 | 75 | 149 | 17,970 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 53,890 | 1 |
| 09-Jun-2016 | 30-Jun-2016 | 22 | 75 | 3,273 | 21,243 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 57,163 | 1 |
| 01-Jul-2016 | 31-Jul-2016 | 31 | 75 | 4,612 | 25,855 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 61,775 | 1 |
| 01-Aug-2016 | 31-Aug-2016 | 31 | 75 | 4,612 | 30,466 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 66,386 | 1 |
| 01-Sep-2016 | 30-Sep-2016 | 30 | 75 | 4,463 | 34,929 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 70,849 | 1 |
| 01-Oct-2016 | 09-Oct-2016 | 9 | 150 | 2,678 | 37,607 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 73,527 | 1 |
| 10-Oct-2016 | 10-Oct-2016 | 1 | 150 | 298 | 37,904 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 73,824 | 1 |
| 11-Oct-2016 | 11-Oct-2016 | 1 | 150 | 298 | 38,202 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 74,122 | 1 |
| 12-Oct-2016 | 12-Oct-2016 | 1 | 150 | 298 | 38,499 | 0 | 0 | 35,920 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 74,419 | 1 |
| 13-Oct-2016 | 13-Oct-2016 | 1 | 150 | 298 | 38,797 | 0 | 0 | 35,920 | 200 | 396 | 396 | 0 | 0 | 0 | 350 | 75,112 | 1 |
| 14-Oct-2016 | 14-Oct-2016 | 1 | 150 | 298 | 39,094 | 0 | 0 | 35,920 | 300 | 595 | 991 | 0 | 0 | 0 | 450 | 76,005 | 1 |
| 15-Oct-2016 | 15-Oct-2016 | 1 | 150 | 298 | 39,392 | 0 | 0 | 35,920 | 0 | 0 | 991 | 0 | 0 | 0 | 150 | 76,302 | 1 |
| 16-Oct-2016 | 16-Oct-2016 | 1 | 150 | 298 | 39,689 | 0 | 0 | 35,920 | 0 | 0 | 991 | 0 | 0 | 0 | 150 | 76,600 | 1 |
| 17-Oct-2016 | 17-Oct-2016 | 1 | 150 | 298 | 39,987 | 0 | 0 | 35,920 | 200 | 397 | 1387 | -50 | (99) | -99 | 300 | 77,195 | 1 |
| 18-Oct-2016 | 18-Oct-2016 | 1 | 150 | 298 | 40,284 | 0 | 0 | 35,920 | 400 | 793 | 2181 | -85 | (169) | -268 | 465 | 78,117 | 1 |
| 19-Oct-2016 | 19-Oct-2016 | 1 | 150 | 298 | 40,582 | 0 | 0 | 35,920 | 700 | 1,388 | 3569 | -50 | (99) | -367 | 800 | 79,704 | 1 |
| 20-Oct-2016 | 20-Oct-2016 | 1 | 150 | 298 | 40,879 | 0 | 0 | 35,920 | 300 | 595 | 4164 | -50 | (99) | -466 | 400 | 80,498 | 1 |
| 21-Oct-2016 | 21-Oct-2016 | 1 | 150 | 298 | 41,177 | 0 | 0 | 35,920 | 100 | 198 | 4363 | -50 | (99) | (565) | 200 | 80,894 | 1 |
| 22-Oct-2016 | 22-Oct-2016 | 1 | 150 | 298 | 41,474 | 0 | 0 | 35,920 | 0 | 0 | 4363 | 0 | 0 | (565) | 150 | 81,192 | 1 |
| 23-Oct-2016 | 23-Oct-2016 | 1 | 150 | 298 | 41,772 | 0 | 0 | 35,920 | 0 | 0 | 4363 | 0 | 0 | (565) | 150 | 81,489 | 1 |
| 24-Oct-2016 | 24-Oct-2016 | 1 | 150 | 298 | 42,069 | 0 | 0 | 35,920 | 300 | 595 | 4958 | -50 | (99) | (664) | 400 | 82,283 | 1 |
| 25-Oct-2016 | 25-Oct-2016 | 1 | 150 | 298 | 42,367 | 0 | 0 | 35,920 | 500 | 992 | 5949 | -50 | (99) | (764) | 600 | 83,473 | 1 |
| 26-Oct-2016 | 26-Oct-2016 | 1 | 150 | 298 | 42,664 | 0 | 0 | 35,920 | 1000 | 1,983 | 7933 | -50 | (99) | (863) | 1,100 | 85,655 | 1 |
| 27-Oct-2016 | 27-Oct-2016 | 1 | 150 | 298 | 42,962 | 0 | 0 | 35,920 | 600 | 1,190 | 9123 | -100 | (198) | (1,061) | 650 | 86,944 | 1 |
| 28-Oct-2016 | 28-Oct-2016 | 1 | 150 | 298 | 43,260 | 0 | 0 | 35,920 | 300 | 595 | 9718 | -50 | (99) | (1,160) | 400 | 87,737 | 1 |
| 29-Oct-2016 | 29-Oct-2016 | 1 | 150 | 298 | 43,557 | 0 | 0 | 35,920 | 0 | 0 | 9718 | 0 | 0 | (1,160) | 150 | 88,035 | 1 |
| 30-Oct-2016 | 30-Oct-2016 | 1 | 150 | 298 | 43,855 | 0 | 0 | 35,920 | 0 | 0 | 9718 | 0 | 0 | (1,160) | 150 | 88,332 | 1 |
| 31-Oct-2016 | 31-Oct-2016 | 1 | 150 | 298 | 44,152 | 0 | 0 | 35,920 | 200 | 397 | 10115 | -50 | (99) | (1,260) | 300 | 88,927 | 1 |
| 01-Nov-2016 | 01-Nov-2016 | 1 | 150 | 298 | 44,450 | 0 | 0 | 35,920 | 300 | 595 | 10710 | -50 | (99) | (1,359) | 400 | 89,721 | 1 |
| 02-Nov-2016 | 02-Nov-2016 | 1 | 150 | 298 | 44,747 | 0 | 0 | 35,920 | 550 | 1,091 | 11801 | -50 | (99) | (1,458) | 650 | 91,010 | 1 |
| 03-Nov-2016 | 03-Nov-2016 | 1 | 150 | 298 | 45,045 | 0 | 0 | 35,920 | 300 | 595 | 12396 | -50 | (99) | (1,557) | 400 | 91,803 | 1 |
| 04-Nov-2016 | 04-Nov-2016 | 1 | 150 | 298 | 45,342 | 0 | 0 | 35,920 | 98 | 194 | 12590 | -50 | (99) | (1,656) | 198 | 92,196 | 1 |
| 05-Nov-2016 | 05-Nov-2016 | 1 | 150 | 298 | 45,640 | 0 | 0 | 35,920 | 0 | 0 | 12590 | 0 | 0 | (1,656) | 150 | 92,494 | 1 |
| 06-Nov-2016 | 06-Nov-2016 | 1 | 150 | 298 | 45,937 | 0 | 0 | 35,920 | 0 | 0 | 12590 | 0 | 0 | (1,656) | 150 | 92,791 | 1 |
| 07-Nov-2016 | 07-Nov-2016 | 1 | 150 | 298 | 46,235 | 0 | 0 | 35,920 | 0 | 0 | 12590 | 0 | 0 | (1,656) | 150 | 93,089 | 1 |
| 08-Nov-2016 | 30-Nov-2016 | 23 | 150 | 6,843 | 53,078 | 0 | 0 | 35,920 | 0 | 0 | 12590 | 0 | 0 | (1,656) | 150 | 99,932 | 1 |
| 01-Dec-2016 | 31-Dec-2016 | 31 | 150 | 9,223 | 62,301 | 0 | 0 | 35,920 | 0 | 0 | 12590 | 0 | 0 | (1,656) | 150 | 109,155 | 1 |
| 01-Jan-2017 | 31-Jan-2017 | 31 | 150 | 9,223 | 71,524 | 0 | 0 | 35,920 | 0 | 0 | 12590 | 0 | 0 | (1,656) | 150 | 118,378 | 1 |
| 01-Feb-2017 | 28-Feb-2017 | 28 | 150 | 8,331 | 79,855 | 0 | 0 | 35,920 | 0 | 0 | 12590 | 0 | 0 | (1,656) | 150 | 126,708 | 1 |
| 01-Mar-2017 | 31-Mar-2017 | 31 | 150 | 9,223 | 89,078 | 0 | 0 | 35,920 | 0 | 0 | 12590 | 0 | 0 | (1,656) | 150 | 135,932 | 1 |
| 01-Apr-2017 | 14-Apr-2017 | 14 | 150 | 4,165 | 93,243 | 0 | 0 | 35,920 | 0 | 0 | 12590 | 0 | 0 | (1,656) | 150 | 140,097 | 1 |
| No. of days | | 365 | | | | | | | | | | | | | | | |

**1 cfs day = 1.983471 acre-feet (af)**

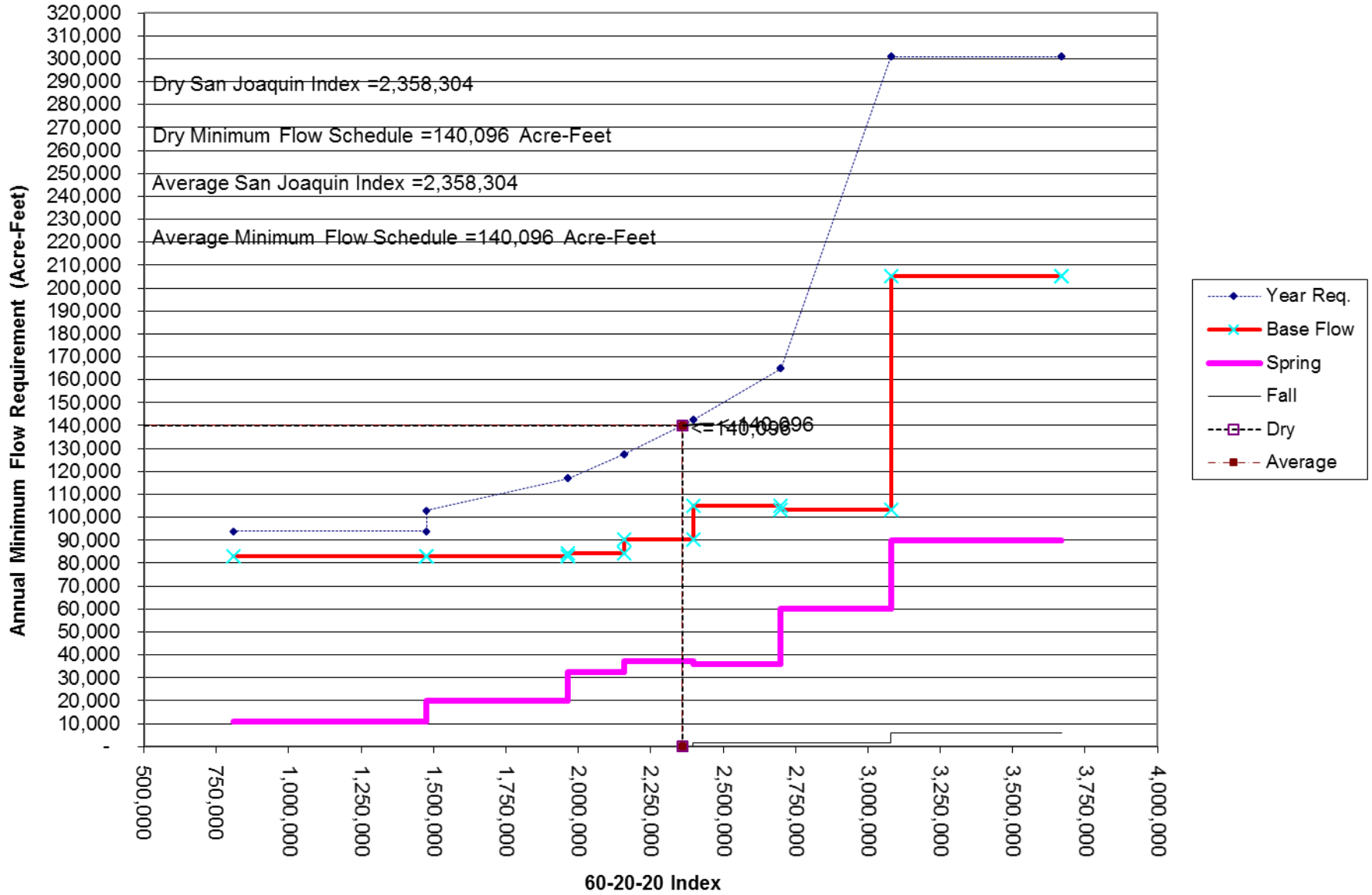
1. Total accumulation amount pertains to 2016-2017 Fish Year only.

# SAN JOAQUIN VALLEY WATER YEAR HYDROLOGIC CLASSIFICATION

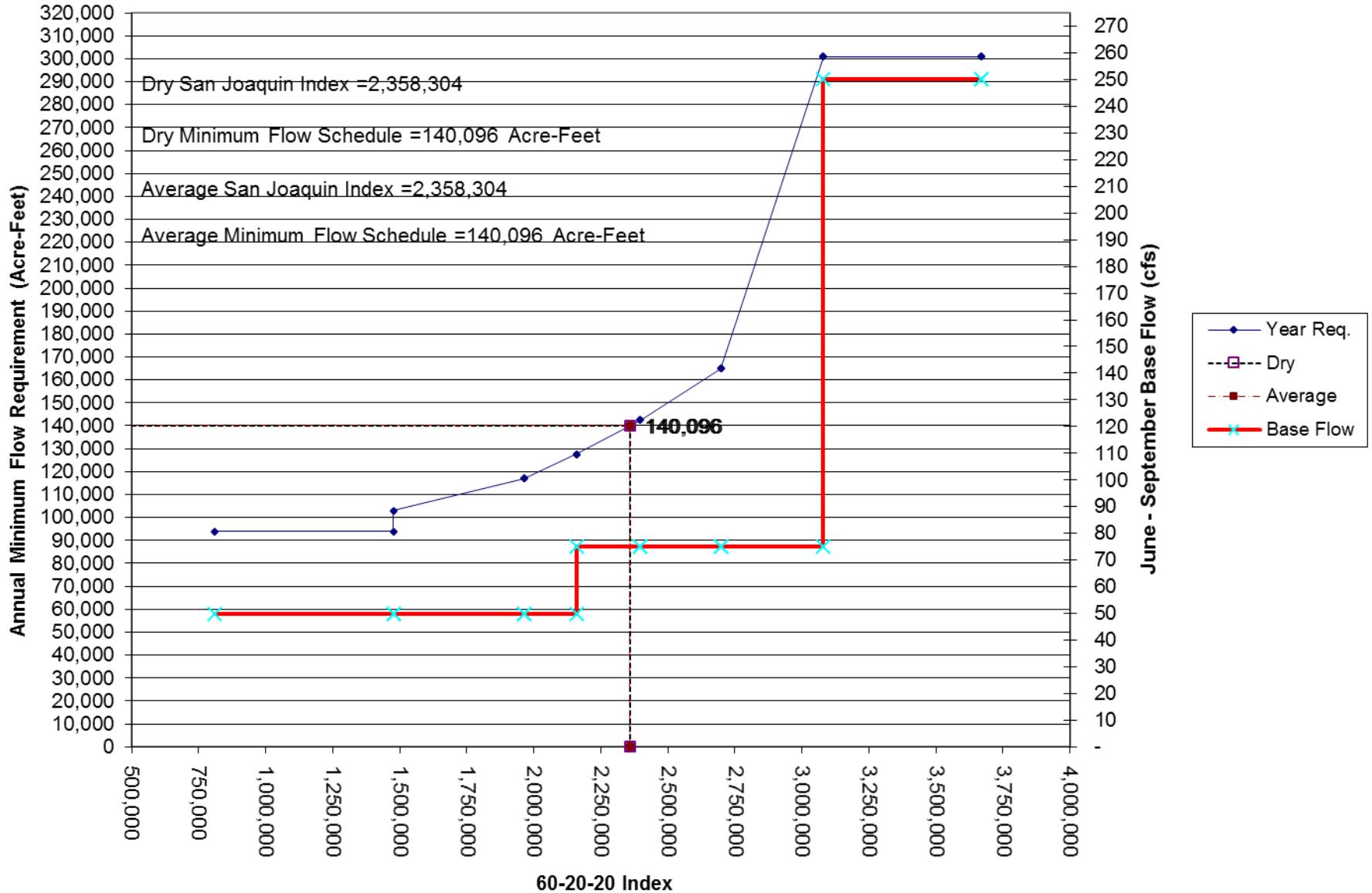
## *602020 INDEX (1906-2015)*

| | APRIL-JULY RUNOFF (AF) | | | | | OCTOBER-MARCH RUNOFF (AF) | | | | | 602020 | TUOLUMNE RIVER | Classification | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | STANISLAUS | TUOLUMNE | MERCED | FRIANT | TOTAL | STANISLAUS | TUOLUMNE | MERCED | FRIANT | TOTAL | INDEX | MINIMUM FLOW REQUIREMENT | % Occurrence | | FERC | RANKING |
| 2015 | 133,081 | 307,952 | 104,627 | 192,518 | 738,178 | 190,977 | 276,982 | 74,324 | 123,674 | 665,957 | 808,197 | 94,000 | 0.91% | 6.4% | Critical Water Year and Below | 1 |
| 1977 | 115,510 | 301,020 | 123,290 | 261,910 | 801,730 | 37,290 | 75,447 | 23,960 | 83,830 | 220,527 | 838,770 | 94,000 | 1.82% | 6.4% | Critical Water Year and Below | 2 |
| 2014 | 232,171 | 423,354 | 180,810 | 375,485 | 1,211,820 | 123,348 | 166,401 | 57,498 | 113,744 | 460,991 | 1,160,495 | 94,000 | 2.73% | 6.4% | Critical Water Year and Below | 3 |
| 1931 | 215,400 | 422,580 | 189,200 | 349,400 | 1,176,580 | 99,200 | 176,960 | 69,260 | 112,500 | 457,920 | 1,200,755 | 94,000 | 3.64% | 6.4% | Critical Water Year and Below | 4 |
| 1961 | 292,320 | 525,700 | 226,750 | 451,300 | 1,496,070 | 102,740 | 190,340 | 81,710 | 160,300 | 535,090 | 1,375,467 | 94,000 | 4.55% | 6.4% | Critical Water Year and Below | 5 |
| 1924 | 167,200 | 381,920 | 174,600 | 310,000 | 1,033,720 | 93,900 | 160,710 | 74,600 | 119,000 | 448,210 | 1,419,746 | 94,000 | 5.45% | 6.4% | Critical Water Year and Below | 6 |
| 1934 | 219,400 | 442,590 | 189,000 | 408,500 | 1,259,490 | 202,700 | 353,950 | 166,100 | 261,700 | 984,450 | 1,440,719 | 94,000 | 6.36% | 6.4% | Critical Water Year and Below | 7 |
| 1988 | 221,363 | 494,015 | 273,584 | 562,724 | 1,551,686 | 147,688 | 319,524 | 132,264 | 264,996 | 864,472 | 1,476,178 | 103,000 | 7.27% | 14.4% | Median Critical Water Year | 8 |
| 1990 | 284,227 | 522,338 | 271,588 | 514,221 | 1,592,374 | 183,526 | 315,971 | 127,174 | 205,469 | 832,140 | 1,514,587 | 104,104 | 8.18% | 14.4% | Median Critical Water Year | 9 |
| 1992 | 265,933 | 525,254 | 299,041 | 568,447 | 1,658,675 | 208,210 | 291,924 | 141,018 | 214,560 | 855,712 | 1,557,439 | 105,336 | 9.09% | 14.4% | Median Critical Water Year | 10 |
| 1976 | 192,810 | 362,547 | 167,420 | 350,000 | 1,072,777 | 160,410 | 273,828 | 121,590 | 220,200 | 776,028 | 1,568,133 | 105,644 | 10.00% | 14.4% | Median Critical Water Year | 11 |
| 2013 | 289,860 | 597,042 | 267,194 | 518,953 | 1,673,049 | 323,159 | 476,812 | 207,327 | 318,805 | 1,326,103 | 1,706,023 | 109,608 | 10.91% | 14.4% | Median Critical Water Year | 12 |
| 1960 | 398,750 | 720,210 | 343,480 | 608,300 | 2,070,740 | 193,260 | 321,230 | 138,780 | 195,900 | 849,170 | 1,854,036 | 113,864 | 11.82% | 14.4% | Median Critical Water Year | 13 |
| 1987 | 236,229 | 472,644 | 220,693 | 553,900 | 1,483,466 | 125,682 | 172,140 | 74,504 | 178,700 | 551,026 | 1,861,362 | 114,074 | 12.73% | 14.4% | Median Critical Water Year | 14 |
| 1991 | 407,650 | 878,256 | 446,291 | 835,932 | 2,568,129 | 94,026 | 195,094 | 108,498 | 160,701 | 558,319 | 1,955,459 | 116,779 | 13.64% | 14.4% | Median Critical Water Year | 15 |
| 1989 | 512,169 | 865,641 | 377,875 | 668,116 | 2,423,801 | 257,337 | 434,481 | 146,206 | 232,772 | 1,070,796 | 1,963,675 | 117,016 | 14.55% | 20.5% | Intermediate Critical Dry Wate | 16 |
| 2007 | 285,037 | 502,525 | 238,765 | 431,011 | 1,457,338 | 276,100 | 328,109 | 160,216 | 228,256 | 992,681 | 1,972,939 | 117,513 | 15.45% | 20.5% | Intermediate Critical Dry Wate | 17 |
| 1913 | 475,400 | 878,000 | 341,600 | 645,800 | 2,340,800 | 102,100 | 146,830 | 61,200 | 127,300 | 437,430 | 2,001,850 | 119,067 | 16.36% | 20.5% | Intermediate Critical Dry Wate | 18 |
| 1929 | 411,700 | 791,650 | 387,100 | 701,500 | 2,291,950 | 100,400 | 182,820 | 95,600 | 137,000 | 515,820 | 2,004,815 | 119,226 | 17.27% | 20.5% | Intermediate Critical Dry Wate | 19 |
| 1930 | 513,100 | 855,790 | 385,300 | 683,000 | 2,437,190 | 207,500 | 281,790 | 121,600 | 153,300 | 764,190 | 2,016,115 | 119,833 | 18.18% | 20.5% | Intermediate Critical Dry Wate | 20 |
| 1994 | 310,876 | 621,864 | 268,027 | 602,238 | 1,803,005 | 138,318 | 228,143 | 96,587 | 198,194 | 661,242 | 2,053,560 | 121,846 | 19.09% | 20.5% | Intermediate Critical Dry Wate | 21 |
| 2008 | 420,178 | 785,350 | 418,664 | 824,581 | 2,448,773 | 197,515 | 334,052 | 186,169 | 267,895 | 985,631 | 2,060,978 | 122,244 | 20.00% | 20.5% | Intermediate Critical Dry Wate | 22 |
| 1972 | 466,700 | 747,739 | 351,300 | 652,500 | 2,218,239 | 305,300 | 436,497 | 186,200 | 326,000 | 1,253,997 | 2,158,908 | 127,506 | 20.91% | 31.3% | Median Dry | 23 |
| 1947 | 393,550 | 676,350 | 338,320 | 707,200 | 2,115,420 | 233,330 | 414,950 | 225,780 | 389,900 | 1,263,960 | 2,183,022 | 129,029 | 21.82% | 31.3% | Median Dry | 24 |
| 2012 | 394,507 | 609,424 | 300,876 | 558,917 | 1,863,724 | 216,256 | 254,324 | 117,856 | 244,726 | 833,162 | 2,184,867 | 129,145 | 22.73% | 31.3% | Median Dry | 25 |
| 1964 | 431,760 | 758,510 | 310,720 | 643,100 | 2,144,090 | 203,050 | 351,260 | 134,950 | 239,800 | 929,060 | 2,186,845 | 129,270 | 23.64% | 31.3% | Median Dry | 26 |
| 2001 | 367,094 | 702,404 | 366,315 | 794,843 | 2,230,656 | 192,276 | 327,081 | 150,512 | 246,809 | 916,678 | 2,198,061 | 129,978 | 24.55% | 31.3% | Median Dry | 27 |
| 1939 | 346,510 | 589,620 | 294,200 | 602,400 | 1,832,730 | 172,400 | 367,080 | 176,800 | 279,500 | 995,780 | 2,198,794 | 130,025 | 25.45% | 31.3% | Median Dry | 28 |
| 1959 | 347,420 | 612,570 | 287,500 | 605,700 | 1,853,190 | 220,150 | 330,820 | 148,400 | 285,000 | 984,370 | 2,208,788 | 130,656 | 26.36% | 31.3% | Median Dry | 29 |
| 2004 | 406,262 | 762,554 | 345,916 | 735,476 | 2,250,208 | 339,655 | 538,010 | 251,975 | 375,360 | 1,505,000 | 2,213,808 | 130,973 | 27.27% | 31.3% | Median Dry | 30 |
| 1968 | 388,400 | 634,830 | 275,200 | 552,200 | 1,850,630 | 240,900 | 357,210 | 142,100 | 279,300 | 1,019,510 | 2,214,280 | 131,003 | 28.18% | 31.3% | Median Dry | 31 |
| 1955 | 505,950 | 841,880 | 417,700 | 900,400 | 2,665,930 | 167,380 | 279,700 | 116,290 | 219,600 | 782,970 | 2,300,190 | 136,427 | 29.09% | 31.3% | Median Dry | 32 |
| 1926 | 402,200 | 794,220 | 449,000 | 914,900 | 2,560,320 | 198,600 | 311,060 | 155,300 | 227,300 | 892,260 | 2,300,567 | 136,451 | 30.00% | 31.3% | Median Dry | 33 |
| 2002 | 542,861 | 920,667 | 436,039 | 846,036 | 2,745,603 | 304,086 | 466,363 | 195,246 | 304,457 | 1,270,152 | 2,341,004 | 139,004 | 30.91% | 31.3% | Median Dry | 34 |
| 1908 | 412,000 | 702,600 | 339,300 | 713,000 | 2,166,900 | 190,600 | 292,000 | 160,500 | 338,200 | 981,300 | 2,396,400 | 142,502 | 31.82% | 40.4% | Intermediate Dry-Below Normal | 35 |
| 1985 | 433,120 | 800,741 | 386,800 | 785,850 | 2,406,511 | 242,590 | 394,804 | 169,010 | 301,600 | 1,108,004 | 2,403,226 | 143,011 | 32.73% | 40.4% | Intermediate Dry-Below Normal | 36 |
| 1933 | 517,100 | 923,010 | 424,600 | 901,400 | 2,766,110 | 81,900 | 160,750 | 86,100 | 166,000 | 494,750 | 2,440,676 | 145,803 | 33.64% | 40.4% | Intermediate Dry-Below Normal | 37 |
| 1981 | 392,440 | 744,677 | 365,700 | 783,270 | 2,286,087 | 190,870 | 282,924 | 125,670 | 253,050 | 852,514 | 2,442,155 | 145,913 | 34.55% | 40.4% | Intermediate Dry-Below Normal | 38 |
| 1966 | 424,200 | 762,070 | 399,910 | 836,600 | 2,422,780 | 274,100 | 524,960 | 260,560 | 428,200 | 1,487,820 | 2,513,619 | 151,241 | 35.45% | 40.4% | Intermediate Dry-Below Normal | 39 |
| 1949 | 606,400 | 1,024,510 | 509,210 | 975,500 | 3,115,620 | 130,050 | 213,390 | 126,900 | 148,100 | 618,440 | 2,532,700 | 152,664 | 36.36% | 40.4% | Intermediate Dry-Below Normal | 40 |

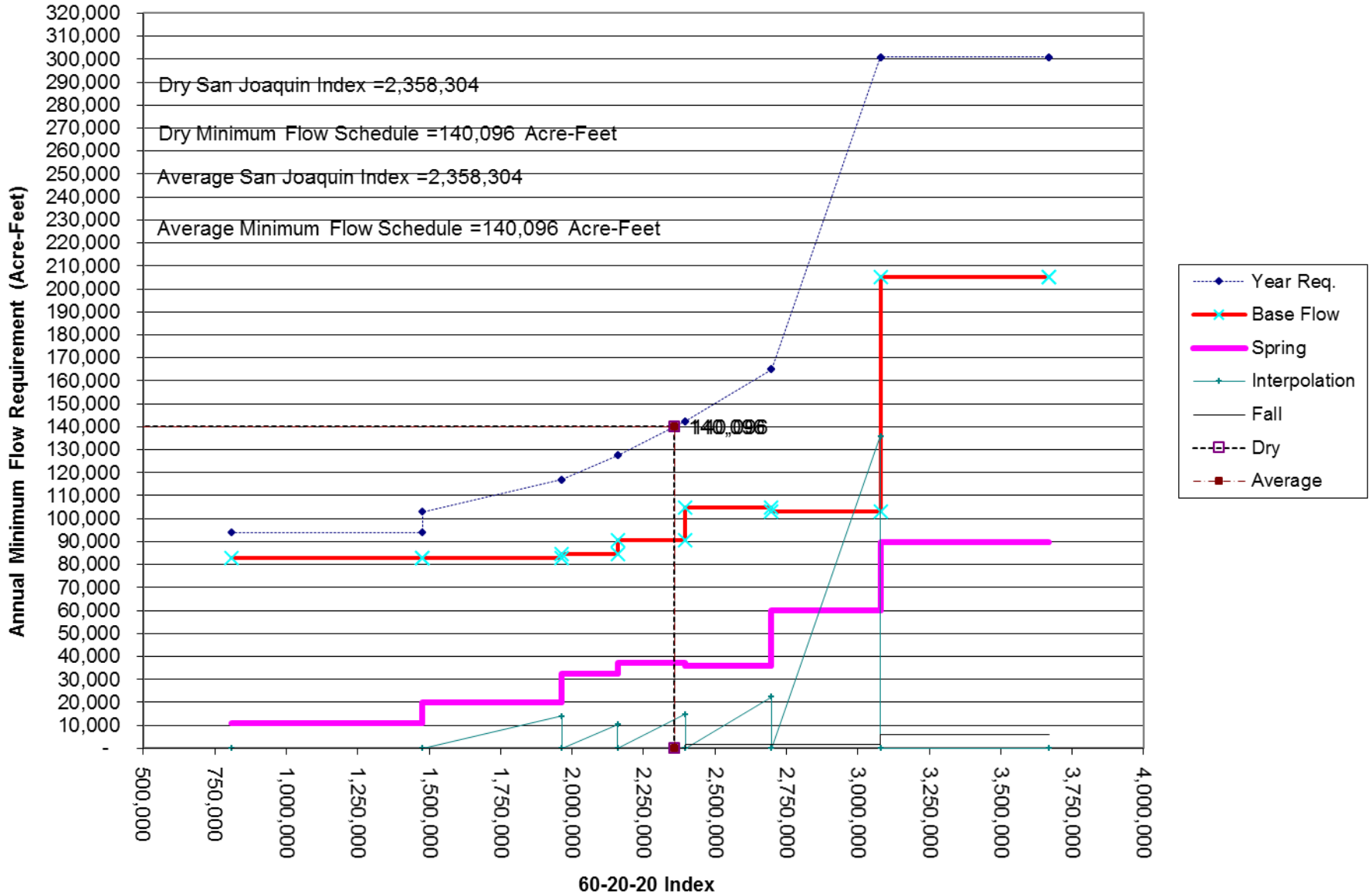
## TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT (Figure 1)
### Annual Flow Requirement

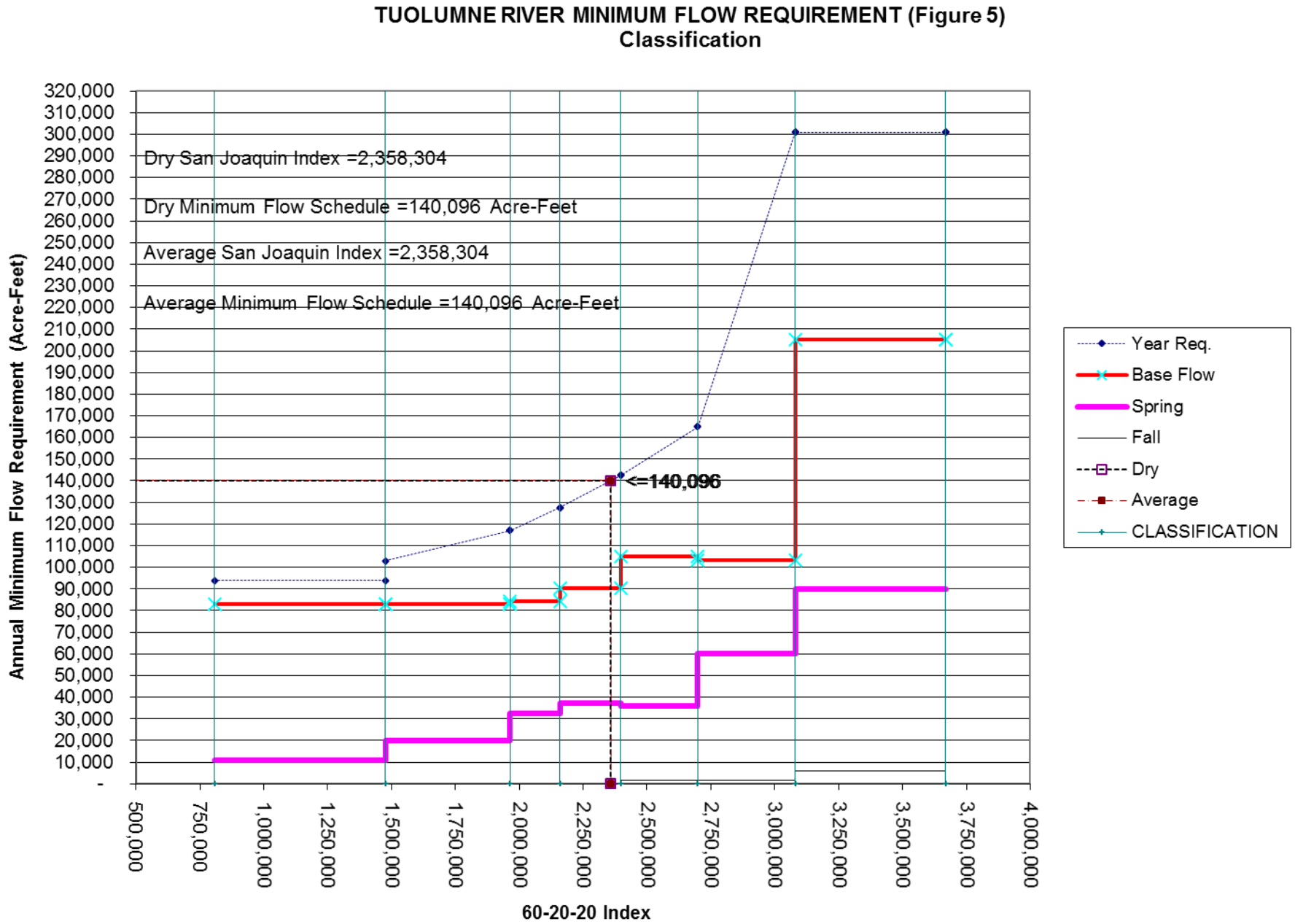


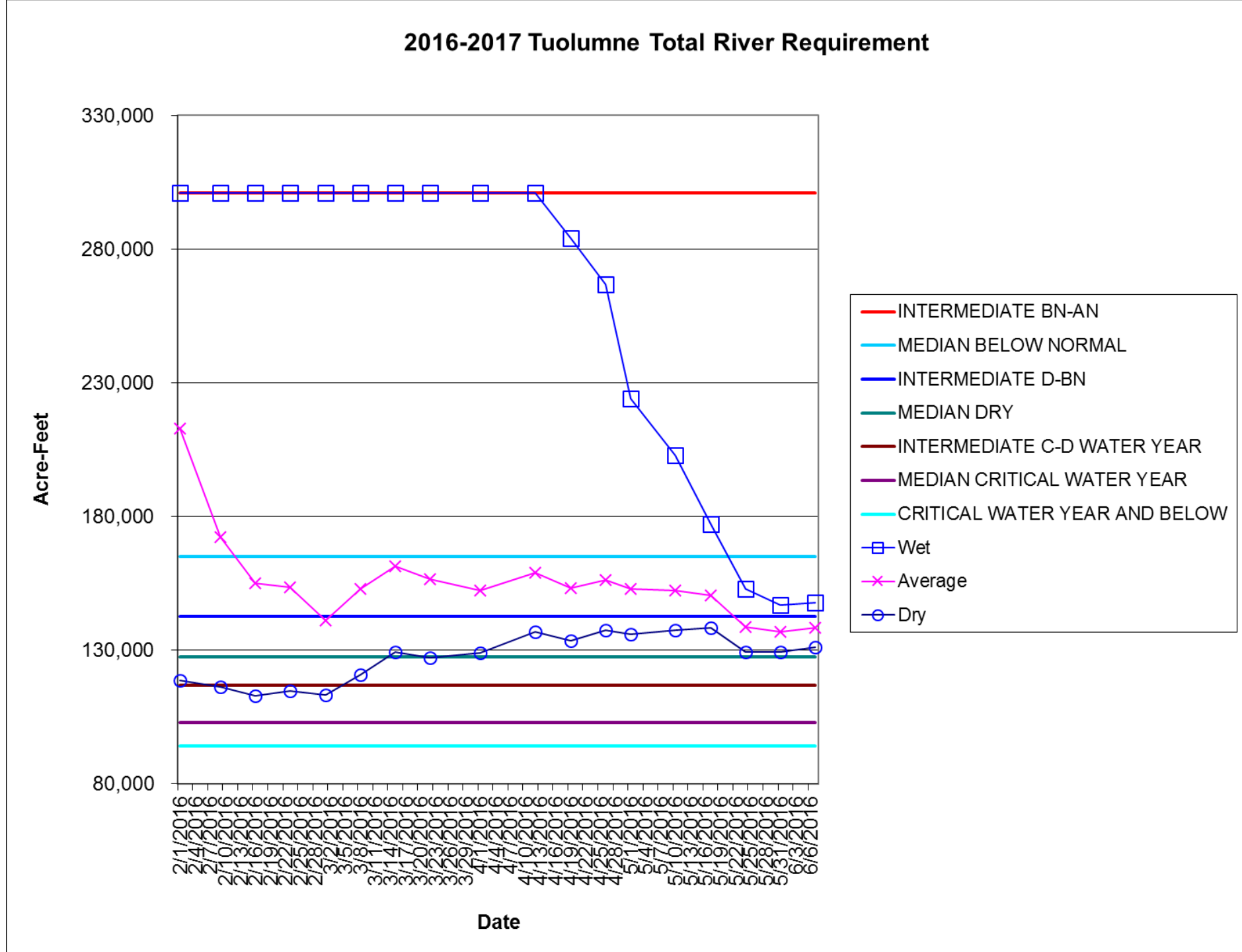
## TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT (Figure 3)
## (Summer Base Flow)

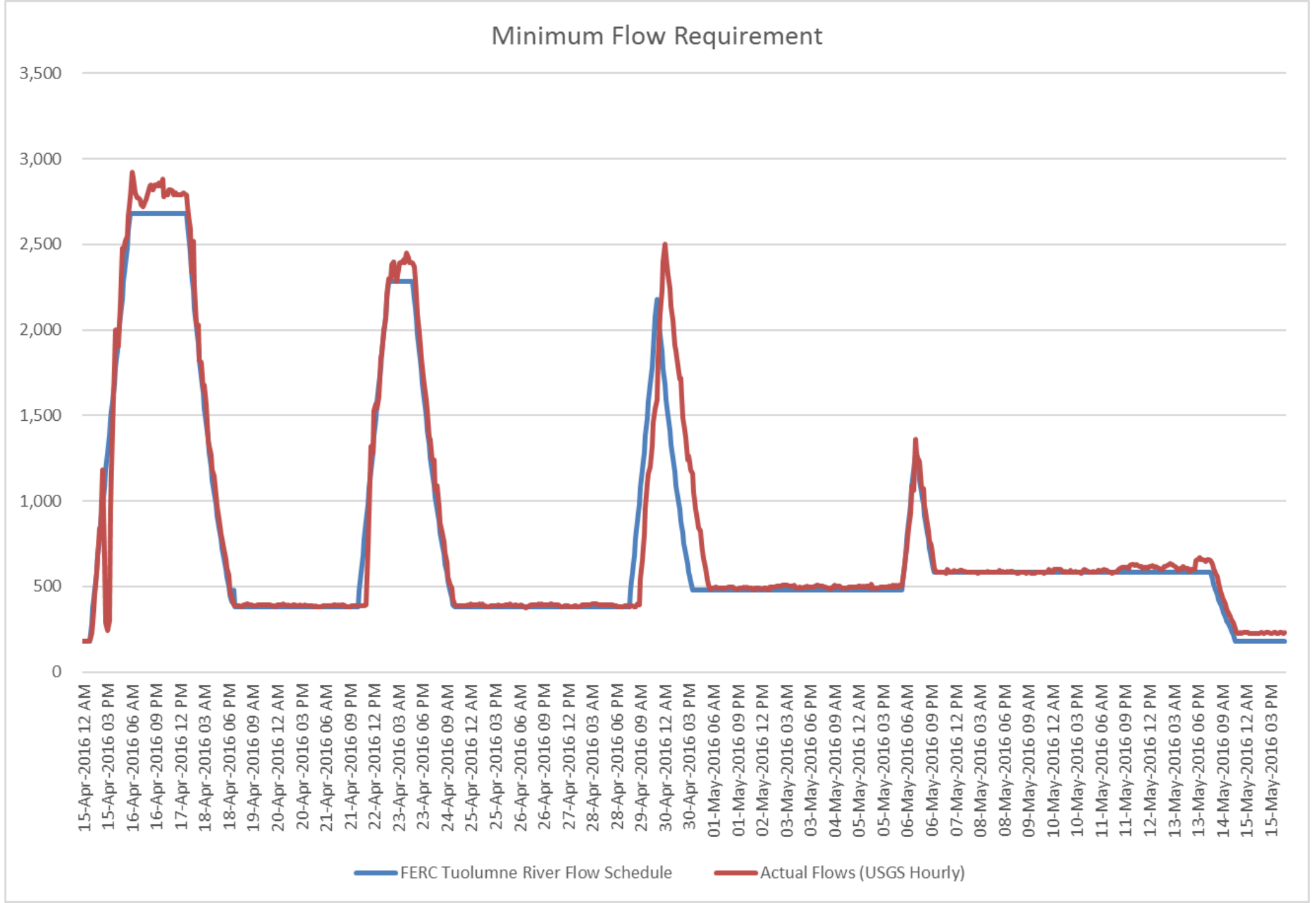


## TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT (Figure 4)
### Interpolation Volume




TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT (Figure 5)
Classification
Dry San Joaquin Index =2,358,304
Dry Minimum Flow Schedule =140,096 Acre-Feet
Average San Joaquin Index =2,358,304
Average Minimum Flow Schedule =140,096 Acre-Feet
<=140,096
Annual Minimum Flow Requirement (Acre-Feet)
60-20-20 Index
Year Req.
Base Flow
Spring
Fall
Dry
Average
CLASSIFICATION


2016-2017 Tuolumne Total River Requirement
330,000
280,000
230,000
180,000
130,000
80,000
Acre-Feet
Date
INTERMEDIATE BN-AN
MEDIAN BELOW NORMAL
INTERMEDIATE D-BN
MEDIAN DRY
INTERMEDIATE C-D WATER YEAR
MEDIAN CRITICAL WATER YEAR
CRITICAL WATER YEAR AND BELOW
Wet
Average
Dry


Minimum Flow Requirement
3,500
3,000
2,500
2,000
1,500
1,000
500
0
15-Apr-2016 12 AM
15-Apr-2016 03 PM
16-Apr-2016 06 AM
16-Apr-2016 09 PM
17-Apr-2016 12 PM
18-Apr-2016 03 AM
18-Apr-2016 06 PM
19-Apr-2016 09 AM
20-Apr-2016 12 AM
20-Apr-2016 03 PM
21-Apr-2016 06 AM
21-Apr-2016 09 PM
22-Apr-2016 12 PM
23-Apr-2016 03 AM
23-Apr-2016 06 PM
24-Apr-2016 09 AM
25-Apr-2016 12 AM
25-Apr-2016 03 PM
26-Apr-2016 06 AM
26-Apr-2016 09 PM
27-Apr-2016 12 PM
28-Apr-2016 03 AM
28-Apr-2016 06 PM
29-Apr-2016 09 AM
30-Apr-2016 12 AM
30-Apr-2016 03 PM
01-May-2016 06 AM
01-May-2016 09 PM
02-May-2016 12 PM
03-May-2016 03 AM
03-May-2016 06 PM
04-May-2016 09 AM
05-May-2016 12 AM
05-May-2016 03 PM
06-May-2016 06 AM
06-May-2016 09 PM
07-May-2016 12 PM
08-May-2016 03 AM
08-May-2016 06 PM
09-May-2016 09 AM
10-May-2016 12 AM
10-May-2016 03 PM
11-May-2016 06 AM
11-May-2016 09 PM
12-May-2016 12 PM
13-May-2016 03 AM
13-May-2016 06 PM
14-May-2016 09 AM
15-May-2016 12 AM
15-May-2016 03 PM
FERC Tuolumne River Flow Schedule
Actual Flows (USGS Hourly)