

UNITED STATES DEPARTMENT OF THE INTERIOR  
U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

DECEMBER 2018

FULL NATURAL FLOW OF SAN JOAQUIN RIVER AT FRIANT DAM

RUN DATE: 01/01/2019

| DAY                       | STORAGE - A.F. |               |                | RESERVOIR |              |               | — CHANGE — |       | MIL<br>INFLOW<br>C.F.S | NATURAL<br>RIVER<br>C.F.S | ACCUM *<br>FULL<br>NATURAL<br>1000 A.F. |        |        |      |
|---------------------------|----------------|---------------|----------------|-----------|--------------|---------------|------------|-------|------------------------|---------------------------|-----------------------------------------|--------|--------|------|
|                           | T.A.           | FLO-          | HUNT-          | SHAVER    | MAM-         | RED-          | CRANE      | KERCK |                        |                           |                                         | A.F.   | C.F.S. |      |
|                           | EDISON<br>LAKE | RENCE<br>LAKE | INGTON<br>LAKE | LAKE      | MOTH<br>POOL | INGER<br>LAKE | VALLEY     | HOFF  |                        |                           |                                         | TOTAL  |        |      |
| 1                         | 42,084         | 1,146         | 47,604         | 87,631    | 16,493       | 10,359        | 24,258     | 3,656 | 233,231                | -684                      | -345                                    | 1,410  | 1,065  | 35.4 |
| 2                         | 41,761         | 1,143         | 47,395         | 87,219    | 17,001       | 10,075        | 24,070     | 3,511 | 232,175                | -1,056                    | -532                                    | 882    | 350    | 36.1 |
| 3                         | 41,601         | 1,146         | 46,688         | 86,916    | 17,475       | 10,006        | 23,873     | 3,547 | 231,252                | -923                      | -465                                    | 919    | 454    | 37.0 |
| 4                         | 41,314         | 1,143         | 46,058         | 86,807    | 17,989       | 10,121        | 23,671     | 3,448 | 230,551                | -701                      | -353                                    | 784    | 431    | 37.9 |
| 5                         | 41,068         | 1,141         | 45,772         | 86,426    | 18,496       | 10,867        | 23,474     | 3,540 | 230,784                | +233                      | +117                                    | 468    | 585    | 39.0 |
| 6                         | 40,804         | 1,141         | 45,724         | 86,372    | 19,068       | 11,511        | 23,305     | 3,568 | 231,493                | +709                      | +357                                    | 502    | 859    | 40.7 |
| 7                         | 40,459         | 1,132         | 45,649         | 85,775    | 19,598       | 12,001        | 23,103     | 3,627 | 231,344                | -149                      | -75                                     | 482    | 407    | 41.5 |
| 8                         | 40,188         | 1,125         | 45,680         | 85,327    | 20,064       | 12,260        | 22,903     | 3,621 | 231,168                | -176                      | -89                                     | 569    | 480    | 42.5 |
| 9                         | 39,903         | 1,125         | 45,756         | 84,921    | 20,526       | 12,391        | 22,702     | 3,811 | 231,135                | -33                       | -17                                     | 413    | 396    | 43.3 |
| 10                        | 39,633         | 1,120         | 45,838         | 84,504    | 20,968       | 12,611        | 22,494     | 3,746 | 230,914                | -221                      | -111                                    | 483    | 372    | 44.0 |
| 11                        | 39,356         | 1,114         | 45,862         | 84,330    | 21,328       | 12,865        | 22,287     | 3,533 | 230,675                | -239                      | -120                                    | 570    | 450    | 44.9 |
| 12                        | 39,019         | 1,110         | 45,462         | 83,846    | 21,732       | 12,932        | 22,287     | 3,533 | 229,921                | -754                      | -380                                    | 739    | 359    | 45.6 |
| 13                        | 38,809         | 1,110         | 44,908         | 83,229    | 22,129       | 13,367        | 22,213     | 3,682 | 229,447                | -474                      | -239                                    | 612    | 373    | 46.4 |
| 14                        | 38,444         | 1,109         | 44,263         | 82,603    | 22,539       | 14,047        | 22,246     | 3,589 | 228,840                | -607                      | -306                                    | 685    | 379    | 47.1 |
| 15                        | 38,189         | 1,107         | 43,629         | 81,965    | 22,925       | 14,589        | 22,271     | 3,713 | 228,388                | -452                      | -228                                    | 605    | 377    | 47.9 |
| 16                        | 37,928         | 1,106         | 43,070         | 81,328    | 23,318       | 15,181        | 22,287     | 3,694 | 227,912                | -476                      | -240                                    | 655    | 415    | 48.7 |
| 17                        | 37,674         | 1,109         | 42,748         | 80,645    | 23,846       | 15,778        | 22,452     | 3,606 | 227,858                | -54                       | -27                                     | 764    | 737    | 50.1 |
| 18                        | 37,385         | 1,111         | 42,412         | 79,740    | 24,347       | 16,377        | 22,494     | 3,607 | 227,473                | -385                      | -194                                    | 667    | 473    | 51.1 |
| 19                        | 37,105         | 1,111         | 41,546         | 78,933    | 24,818       | 17,070        | 22,519     | 3,610 | 226,712                | -761                      | -384                                    | 668    | 284    | 51.6 |
| 20                        | 36,817         | 1,110         | 40,818         | 78,347    | 25,265       | 17,675        | 22,552     | 3,485 | 226,069                | -643                      | -324                                    | 722    | 398    | 52.4 |
| 21                        | 36,539         | 1,111         | 40,203         | 77,673    | 25,721       | 18,362        | 22,577     | 3,550 | 225,736                | -333                      | -168                                    | 611    | 443    | 53.3 |
| 22                        | 36,283         | 1,110         | 39,842         | 76,746    | 26,183       | 18,899        | 22,602     | 3,630 | 225,295                | -441                      | -222                                    | 665    | 443    | 54.2 |
| 23                        | 35,985         | 1,107         | 39,505         | 75,850    | 26,620       | 19,448        | 22,627     | 3,588 | 224,730                | -565                      | -285                                    | 616    | 331    | 54.8 |
| 24                        | 35,730         | 1,109         | 39,074         | 74,998    | 27,078       | 20,006        | 22,787     | 3,565 | 224,347                | -383                      | -193                                    | 785    | 592    | 56.0 |
| 25                        | 35,418         | 1,105         | 38,840         | 74,300    | 27,665       | 20,244        | 22,821     | 3,621 | 224,014                | -333                      | -168                                    | 649    | 481    | 57.0 |
| 26                        | 35,199         | 1,109         | 38,504         | 73,835    | 28,148       | 20,555        | 22,846     | 3,657 | 223,853                | -161                      | -81                                     | 642    | 561    | 58.1 |
| 27                        | 34,882         | 1,097         | 38,032         | 73,343    | 28,600       | 20,985        | 22,887     | 3,688 | 223,514                | -339                      | -171                                    | 669    | 498    | 59.1 |
| 28                        | 34,620         | 1,086         | 37,574         | 72,679    | 28,959       | 21,197        | 22,887     | 3,683 | 222,685                | -829                      | -418                                    | 858    | 440    | 59.9 |
| 29                        | 34,319         | 1,100         | 37,070         | 71,718    | 29,331       | 21,575        | 22,937     | 3,675 | 221,725                | -960                      | -484                                    | 783    | 299    | 60.5 |
| 30                        | 34,057         | 1,102         | 37,047         | 71,533    | 29,797       | 21,077        | 22,953     | 3,646 | 221,212                | -513                      | -259                                    | 733    | 474    | 61.5 |
| 31                        | 33,626         | 1,090         | 36,937         | 71,196    | 30,168       | 21,222        | 22,953     | 3,565 | 220,757                | -455                      | -229                                    | 508    | 279    | 62.0 |
| TOTALS                    |                |               |                |           |              |               |            |       |                        | -13,158                   |                                         | 14,485 |        |      |
| * October 1, 2018 TO DATE |                |               |                |           |              |               |            |       |                        |                           |                                         | 28,731 |        |      |