

02/02/17

**U.S. Bureau of Reclamation - Central Valley Operations Office**  
**Delta Outflow Computation (values in c.f.s.)**

**December 2016**

**Preliminary Data - Subject to Change**

Estimated numbers are in bold italic print

| Date     | DELTA INFLOW                    |                 |                           |                                 |                             |        |                          |                           | NDCU   | DELTA EXPORTS  |                          |                            |     |                           |                           |               | OUTFLOW INDEX |                |              | EXPORT/INFLOW |                        |      |
|----------|---------------------------------|-----------------|---------------------------|---------------------------------|-----------------------------|--------|--------------------------|---------------------------|--------|----------------|--------------------------|----------------------------|-----|---------------------------|---------------------------|---------------|---------------|----------------|--------------|---------------|------------------------|------|
|          | Sacto R<br>@Freeport<br>prev dy | SRTP<br>prev wk | Yolo +<br>Misc<br>prev dy | East Side<br>Streams<br>prev dy | S. Joaquin River @ Vernalis |        | Total<br>Delta<br>Inflow | Clifton<br>Court<br>(CLT) |        | Tracy<br>(TRA) | Contra<br>Costa<br>(CCC) | Byron<br>Bethany<br>(BBID) | NBA | Total<br>Delta<br>Exports | 3-day<br>Avg<br>TRA & CLT | NDOI<br>daily | 7-day<br>Avg  | Monthly<br>Avg | Daily<br>(%) | 3 Day<br>(%)  | 3 Day<br>14 Day<br>(%) |      |
| 12/01/16 | 20,005                          | 160             | 37                        | 952                             | 961                         | 924    | 967                      | 22,115                    | -332   | 6,671          | 4,064                    | 92                         | 2   | 45                        | 10,870                    | 10,471        | 11,577        | 10,852         | 11,577       | 49%           | 49%                    | 57%  |
| 12/02/16 | 18,607                          | 161             | 33                        | 756                             | 967                         | 945    | 971                      | 20,524                    | 859    | 6,678          | 4,076                    | 98                         | 3   | 56                        | 10,906                    | 10,611        | 8,760         | 10,074         | 10,168       | 52%           | 50%                    | 56%  |
| 12/03/16 | 17,573                          | 163             | 31                        | 528                             | 974                         | 964    | 970                      | 19,269                    | 1,772  | 6,679          | 4,082                    | 105                        | 4   | 57                        | 10,920                    | 10,750        | 6,577         | 9,581          | 8,971        | 56%           | 52%                    | 55%  |
| 12/04/16 | 16,125                          | 164             | 30                        | 433                             | 969                         | 975    | 967                      | 17,721                    | 2,000  | 6,674          | 4,075                    | 99                         | 3   | 48                        | 10,894                    | 10,755        | 4,827         | 9,003          | 7,935        | 61%           | 56%                    | 54%  |
| 12/05/16 | 15,149                          | 166             | 29                        | 411                             | 956                         | 967    | 959                      | 16,711                    | 2,050  | 6,672          | 4,087                    | 83                         | 2   | 51                        | 10,890                    | 10,756        | 3,770         | 8,106          | 7,102        | 64%           | 60%                    | 54%  |
| 12/06/16 | 14,523                          | 167             | 29                        | 386                             | 929                         | 950    | 949                      | 16,034                    | 2,100  | 6,672          | 2,453                    | 119                        | 2   | 47                        | 9,288                     | 10,211        | 4,646         | 7,383          | 6,693        | 57%           | 61%                    | 51%  |
| 12/07/16 | 13,880                          | 169             | 28                        | 359                             | 897                         | 938    | 938                      | 15,333                    | 2,100  | 5,492          | 2,449                    | 113                        | 3   | 52                        | 8,103                     | 9,275         | 5,130         | 6,470          | 6,470        | 52%           | 58%                    | 47%  |
| 12/08/16 | 13,707                          | 170             | 28                        | 828                             | 877                         | 928    | 933                      | 15,610                    | 1,694  | 5,492          | 2,442                    | 105                        | 1   | 60                        | 8,099                     | 8,333         | 5,818         | 5,647          | 6,388        | 51%           | 53%                    | 44%  |
| 12/09/16 | 13,441                          | 170             | 32                        | 829                             | 893                         | 922    | 933                      | 15,365                    | 1,009  | 5,121          | 2,454                    | 115                        | 4   | 60                        | 7,747                     | 7,817         | 6,609         | 5,339          | 6,413        | 49%           | 51%                    | 42%  |
| 12/10/16 | 13,890                          | 170             | 39                        | 639                             | 931                         | 917    | 933                      | 15,669                    | 781    | 6,677          | 2,463                    | 107                        | 3   | 50                        | 9,295                     | 8,216         | 5,594         | 5,199          | 6,331        | 58%           | 53%                    | 45%  |
| 12/11/16 | 15,120                          | 170             | 289                       | 2,274                           | 937                         | 912    | 932                      | 18,790                    | 602    | 6,422          | 2,467                    | 103                        | 2   | 57                        | 9,048                     | 8,535         | 9,140         | 5,815          | 6,586        | 47%           | 51%                    | 47%  |
| 12/12/16 | 26,109                          | 170             | 372                       | 4,831                           | 918                         | 913    | 932                      | 32,400                    | 602    | 6,675          | 3,364                    | 116                        | 2   | 53                        | 10,207                    | 9,356         | 21,591        | 8,361          | 7,836        | 31%           | 42%                    | 49%  |
| 12/13/16 | 41,272                          | 170             | 154                       | 2,041                           | 939                         | 920    | 933                      | 44,576                    | 1,059  | 6,670          | 3,365                    | 114                        | 3   | 41                        | 10,189                    | 9,654         | 33,329        | 12,458         | 9,797        | 23%           | 30%                    | 46%  |
| 12/14/16 | 41,775                          | 170             | 99                        | 1,832                           | 943                         | 927    | 933                      | 44,819                    | 1,515  | 6,678          | 4,064                    | 108                        | 2   | 38                        | 10,886                    | 10,272        | 32,418        | 16,357         | 11,413       | 24%           | 25%                    | 46%  |
| 12/15/16 | 41,959                          | 170             | 79                        | 1,628                           | 926                         | 932    | 932                      | 44,762                    | 1,744  | 5,490          | 4,079                    | 106                        | 2   | 22                        | 9,695                     | 10,115        | 33,323        | 20,286         | 12,874       | 21%           | 23%                    | 42%  |
| 12/16/16 | 49,609                          | 170             | 1,439                     | 2,106                           | 928                         | 937    | 934                      | 54,252                    | 1,515  | 4,493          | 4,067                    | 96                         | 2   | 16                        | 8,670                     | 9,624         | 44,067        | 25,637         | 14,823       | 16%           | 20%                    | 36%  |
| 12/17/16 | 69,548                          | 170             | 1,649                     | 7,459                           | 965                         | 978    | 951                      | 79,791                    | 1,287  | 3,499          | 4,052                    | 81                         | 3   | 24                        | 7,653                     | 8,560         | 70,851        | 34,960         | 18,119       | 9%            | 14%                    | 28%  |
| 12/18/16 | 78,537                          | 170             | 16,403                    | 3,457                           | 1,225                       | 1,095  | 995                      | 99,792                    | 1,287  | 3,489          | 3,662                    | 74                         | 2   | 18                        | 7,242                     | 7,754         | 91,263        | 46,692         | 22,183       | 7%            | 10%                    | 21%  |
| 12/19/16 | 83,203                          | 170             | 27,562                    | 2,471                           | 1,737                       | 1,169  | 1,019                    | 115,143                   | 1,465  | 3,499          | 3,538                    | 85                         | 2   | 18                        | 7,138                     | 7,246         | 106,540       | 58,827         | 26,622       | 6%            | 7%                     | 17%  |
| 12/20/16 | 81,636                          | 170             | 23,325                    | 2,045                           | 1,456                       | 1,214  | 1,032                    | 108,632                   | 1,465  | 3,496          | 3,527                    | 95                         | 2   | 19                        | 7,135                     | 7,070         | 100,032       | 68,356         | 30,293       | 6%            | 7%                     | 14%  |
| 12/21/16 | 77,928                          | 170             | 6,357                     | 1,803                           | 1,263                       | 1,256  | 1,040                    | 87,521                    | 1,922  | 3,493          | 3,505                    | 84                         | 2   | 19                        | 7,100                     | 7,019         | 78,500        | 74,939         | 32,589       | 8%            | 7%                     | 13%  |
| 12/22/16 | 71,564                          | 170             | 193                       | 1,729                           | 1,218                       | 1,288  | 1,045                    | 74,874                    | 2,100  | 3,494          | 3,483                    | 91                         | 2   | 26                        | 7,091                     | 6,999         | 65,683        | 79,562         | 34,093       | 9%            | 8%                     | 12%  |
| 12/23/16 | 64,021                          | 170             | 169                       | 1,947                           | 1,151                       | 1,309  | 1,048                    | 67,458                    | 2,100  | 3,490          | 3,500                    | 82                         | 2   | 12                        | 7,082                     | 6,988         | 58,276        | 81,592         | 35,144       | 10%           | 9%                     | 11%  |
| 12/24/16 | 55,571                          | 170             | 187                       | 2,063                           | 1,112                       | 1,296  | 1,052                    | 59,103                    | -1,145 | 3,486          | 3,495                    | 83                         | 3   | 21                        | 7,082                     | 6,982         | 53,166        | 79,066         | 35,895       | 12%           | 10%                    | 10%  |
| 12/25/16 | 48,063                          | 170             | 332                       | 2,175                           | 1,132                       | 1,213  | 1,056                    | 51,872                    | -1,145 | 3,487          | 3,511                    | 86                         | 2   | 17                        | 7,100                     | 6,990         | 45,917        | 72,588         | 36,296       | 13%           | 12%                    | 10%  |
| 12/26/16 | 44,607                          | 170             | 235                       | 1,989                           | 1,157                       | 1,168  | 1,059                    | 48,158                    | -1,195 | 3,480          | 3,496                    | 81                         | 1   | 18                        | 7,075                     | 6,985         | 42,278        | 63,407         | 36,526       | 14%           | 13%                    | 10%  |
| 12/27/16 | 43,273                          | 170             | 189                       | 1,908                           | 1,140                       | 1,147  | 1,062                    | 46,680                    | -1,195 | 3,490          | 3,693                    | 79                         | 2   | 11                        | 7,271                     | 7,053         | 40,604        | 54,918         | 36,677       | 15%           | 14%                    | 10%  |
| 12/28/16 | 40,573                          | 170             | 173                       | 1,854                           | 1,122                       | 1,129  | 1,062                    | 43,892                    | -1,245 | 3,497          | 4,124                    | 82                         | 3   | 25                        | 7,724                     | 7,260         | 37,413        | 49,048         | 36,703       | 17%           | 16%                    | 10%  |
| 12/29/16 | 36,072                          | 170             | 165                       | 1,831                           | 1,086                       | 1,121  | 1,064                    | 39,324                    | 1,950  | 3,499          | 4,050                    | 87                         | 2   | 18                        | 7,652                     | 7,451         | 29,722        | 43,911         | 36,463       | 19%           | 17%                    | 11%  |
| 12/30/16 | 32,973                          | 170             | 150                       | 1,826                           | 1,098                       | 1,116  | 1,064                    | 36,217                    | 1,900  | 3,493          | 4,025                    | 86                         | 2   | 19                        | 7,622                     | 7,563         | 26,695        | 39,399         | 36,137       | 21%           | 19%                    | 11%  |
| 12/31/16 | 29,575                          | 170             | 143                       | 1,810                           | 1,078                       | 1,106  | 1,064                    | 32,776                    | 1,850  | 3,492          | 4,036                    | 88                         | 2   | 13                        | 7,627                     | 7,532         | 23,299        | 35,133         | 35,723       | 23%           | 21%                    | 12%  |
| Total    | 1,229,888                       | 5,230           | 79,980                    | 57,200                          | 32,885                      | 32,572 | 30,729                   | 1,405,183                 | 32,472 | 151,640        | 109,749                  | 2,945                      | 68  | 1,033                     | 265,300                   | 264,206       | 1,107,411     | 1,048,965      | 630,840      | 903%          | 918%                   | 971% |
| Average  | 39,674                          | 169             | 2,580                     | 1,845                           | 1,061                       | 1,051  | 991                      | 45,328                    | 1,047  | 4,892          | 3,540                    | 95                         | 2   | 33                        | 8,558                     | 8,523         | 35,723        | 33,838         | 20,350       | 29%           | 30%                    | 31%  |