

10/05/18

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

**August 2018**

Preliminary Data - Subject to Chang

Estimated numbers are in bold italic print

| Date     | DELTA INFLOW              |               |                     |                           |                            |                    |                      |                    | NDCU    | DELTA EXPORTS       |             |                    |                      |       |                     |                     | OUTFLOW INDEX |           |             | EXPORT/INFLOW |           |            |
|----------|---------------------------|---------------|---------------------|---------------------------|----------------------------|--------------------|----------------------|--------------------|---------|---------------------|-------------|--------------------|----------------------|-------|---------------------|---------------------|---------------|-----------|-------------|---------------|-----------|------------|
|          | Sacto R @Freeport prev dy | S RTP prev wk | Yolo + Misc prev dy | East Side Streams prev dy | S. Joaquin River @ prev dy | Vernalis 7-day Avg | Vernalis Monthly Avg | Total Delta Inflow |         | Clifton Court (CLT) | Tracy (TRA) | Contra Costa (CCC) | Byron Bethany (BBID) | NBA   | Total Delta Exports | 3-day Avg TRA & CLT | NDOI daily    | 7-day Avg | Monthly Avg | Daily (%)     | 3 Day (%) | 14 Day (%) |
| 08/01/18 | <b>17,140</b>             | 160           | 550                 | 256                       | 785                        | 706                | 708                  | 18,891             | 4,200   | 4,194               | 4,266       | 196                | 53                   | 83    | 8,685               | 8,257               | 6,006         | 6,577     | 6,006       | 44%           | 44%       | 45%        |
| 08/02/18 | <b>17,480</b>             | 160           | 576                 | 261                       | 707                        | 721                | 668                  | 19,184             | 4,200   | 3,489               | 4,266       | 201                | 57                   | 85    | 7,983               | 8,392               | 7,001         | 6,563     | 6,504       | 40%           | 44%       | 46%        |
| 08/03/18 | <b>17,980</b>             | 160           | 576                 | 294                       | 668                        | 721                | 646                  | 19,678             | 4,200   | 4,489               | 4,262       | 198                | 52                   | 96    | 8,992               | 8,321               | 6,486         | 6,497     | 6,498       | 44%           | 43%       | 45%        |
| 08/04/18 | <b>17,940</b>             | 160           | 597                 | 310                       | 624                        | 718                | 638                  | 19,631             | 4,150   | 4,491               | 4,252       | 198                | 50                   | 109   | 9,000               | 8,416               | 6,481         | 6,376     | 6,494       | 44%           | 43%       | 45%        |
| 08/05/18 | <b>17,550</b>             | 160           | 545                 | 293                       | 622                        | 704                | 648                  | 19,170             | 4,150   | 4,492               | 4,258       | 198                | 33                   | 114   | 9,028               | 8,748               | 5,992         | 6,229     | 6,393       | 45%           | 45%       | 47%        |
| 08/06/18 | <b>18,880</b>             | 160           | 532                 | 257                       | 677                        | 687                | 663                  | 20,506             | 4,100   | 4,987               | 4,255       | 202                | 46                   | 99    | 9,497               | 8,912               | 6,909         | 6,296     | 6,479       | 45%           | 45%       | 47%        |
| 08/07/18 | <b>19,300</b>             | 160           | 517                 | 240                       | 723                        | 667                | 661                  | 20,940             | 4,100   | 6,492               | 4,262       | 206                | 35                   | 92    | 11,016              | 9,582               | 5,824         | 6,386     | 6,386       | 51%           | 47%       | 50%        |
| 08/08/18 | <b>19,670</b>             | 160           | 488                 | 260                       | 651                        | 652                | 652                  | 21,229             | 4,050   | 6,793               | 4,259       | 210                | 31                   | 89    | 11,319              | 10,349              | 5,860         | 6,365     | 6,320       | 52%           | 49%       | 54%        |
| 08/09/18 | <b>19,770</b>             | 160           | 489                 | 263                       | 600                        | 637                | 641                  | 21,282             | 4,050   | 6,789               | 4,011       | 213                | 38                   | 83    | 11,057              | 10,868              | 6,175         | 6,247     | 6,304       | 51%           | 51%       | 56%        |
| 08/10/18 | <b>19,890</b>             | 160           | 514                 | 261                       | 561                        | 611                | 619                  | 21,386             | 4,000   | 6,797               | 4,269       | 210                | 43                   | 88    | 11,321              | 10,972              | 6,065         | 6,187     | 6,280       | 52%           | 51%       | 56%        |
| 08/11/18 | <b>19,610</b>             | 160           | 518                 | 266                       | 444                        | 592                | 606                  | 20,998             | 4,000   | 6,494               | 4,257       | 210                | 36                   | 107   | 11,033              | 10,872              | 5,965         | 6,113     | 6,251       | 51%           | 51%       | 55%        |
| 08/12/18 | <b>19,440</b>             | 160           | <b>529</b>          | <b>269</b>                | <b>486</b>                 | 575                | 602                  | 20,884             | 3,950   | 6,392               | 4,255       | 210                | 33                   | 113   | 10,937              | 10,821              | 5,997         | 6,114     | 6,230       | 51%           | 51%       | 54%        |
| 08/13/18 | <b>19,280</b>             | 160           | 540                 | 285                       | 562                        | 559                | 602                  | 20,827             | 3,950   | 6,193               | 4,255       | 206                | 31                   | 106   | 10,729              | 10,615              | 6,148         | 6,005     | 6,224       | 50%           | 51%       | 52%        |
| 08/14/18 | <b>19,020</b>             | 160           | 515                 | 275                       | 609                        | 541                | 596                  | 20,579             | 3,900   | 5,995               | 4,251       | 210                | 34                   | 100   | 10,521              | 10,447              | 6,158         | 6,052     | 6,219       | 50%           | 50%       | 51%        |
| 08/15/18 | <b>18,780</b>             | 160           | 476                 | 244                       | 526                        | 515                | 584                  | 20,186             | 3,850   | 5,999               | 4,052       | 205                | 37                   | 91    | 10,310              | 10,249              | 6,026         | 6,076     | 6,206       | 50%           | 50%       | 50%        |
| 08/16/18 | <b>18,440</b>             | 160           | 491                 | 221                       | 418                        | 495                | 573                  | 19,730             | 3,850   | 6,008               | 4,256       | 173                | 36                   | 94    | 10,495              | 10,187              | 5,385         | 5,963     | 6,155       | 52%           | 50%       | 50%        |
| 08/17/18 | <b>18,180</b>             | 160           | 458                 | 240                       | 417                        | 495                | 565                  | 19,455             | 3,800   | 6,789               | 4,246       | 172                | 32                   | 111   | 11,285              | 10,450              | 4,370         | 5,721     | 6,050       | 57%           | 53%       | 51%        |
| 08/18/18 | <b>17,730</b>             | 160           | 445                 | 264                       | 448                        | 499                | 562                  | 19,047             | 3,800   | 6,494               | 4,243       | 175                | 30                   | 119   | 11,001              | 10,678              | 4,246         | 5,476     | 5,950       | 56%           | 55%       | 52%        |
| 08/19/18 | <b>17,210</b>             | 160           | 430                 | 245                       | 510                        | 512                | 567                  | 18,555             | 3,750   | 6,395               | 4,254       | 179                | 23                   | 105   | 10,910              | 10,806              | 3,895         | 5,176     | 5,842       | 57%           | 57%       | 53%        |
| 08/20/18 | <b>16,920</b>             | 160           | 428                 | 244                       | 656                        | 527                | 575                  | 18,408             | 3,700   | 6,296               | 4,260       | 174                | 21                   | 108   | 10,817              | 10,647              | 3,891         | 4,853     | 5,744       | 57%           | 57%       | 52%        |
| 08/21/18 | <b>16,860</b>             | 160           | 417                 | 225                       | 715                        | 540                | 577                  | 18,377             | 3,700   | 5,791               | 4,267       | 160                | 24                   | 100   | 10,294              | 10,421              | 4,383         | 4,599     | 5,679       | 55%           | 56%       | 52%        |
| 08/22/18 | <b>16,900</b>             | 160           | 416                 | 200                       | 617                        | 564                | 577                  | 18,293             | 3,650   | 5,987               | 4,267       | 155                | 27                   | 105   | 10,487              | 10,289              | 4,156         | 4,332     | 5,610       | 56%           | 56%       | 52%        |
| 08/23/18 | <b>17,150</b>             | 160           | 417                 | 207                       | 588                        | 581                | 575                  | 18,522             | 3,600   | 5,598               | 4,260       | 156                | 25                   | 108   | 10,096              | 10,056              | 4,826         | 4,252     | 5,576       | 53%           | 55%       | 51%        |
| 08/24/18 | 16,885                    | 160           | 410                 | 235                       | 531                        | 596                | 574                  | 18,221             | 3,600   | 6,096               | 4,252       | 156                | 29                   | 124   | 10,599              | 10,153              | 4,022         | 4,203     | 5,511       | 57%           | 55%       | 52%        |
| 08/25/18 | 17,494                    | 160           | 426                 | 254                       | 555                        | 614                | 577                  | 18,889             | 3,550   | 5,795               | 4,260       | 156                | 34                   | 129   | 10,307              | 10,087              | 5,032         | 4,315     | 5,492       | 53%           | 54%       | 52%        |
| 08/26/18 | 17,703                    | 160           | 444                 | 245                       | 638                        | 626                | 583                  | 19,190             | 3,500   | 5,799               | 4,259       | 154                | 30                   | 97    | 10,279              | 10,154              | 5,411         | 4,531     | 5,489       | 52%           | 54%       | 53%        |
| 08/27/18 | 17,512                    | 160           | 437                 | 224                       | 740                        | 625                | 588                  | 19,073             | 3,450   | 5,798               | 4,265       | 156                | 33                   | 65    | 10,251              | 10,058              | 5,372         | 4,743     | 5,485       | 53%           | 53%       | 53%        |
| 08/28/18 | 17,346                    | 160           | 414                 | 218                       | 706                        | 629                | 590                  | 18,844             | 3,450   | 5,992               | 4,260       | 157                | 31                   | 35    | 10,413              | 10,124              | 4,981         | 4,828     | 5,467       | 54%           | 53%       | 53%        |
| 08/29/18 | 16,942                    | 160           | 356                 | 215                       | 642                        | 629                | 590                  | 18,315             | 3,400   | 5,485               | 4,265       | 160                | 41                   | 80    | 9,949               | 10,022              | 4,966         | 4,944     | 5,449       | 53%           | 53%       | 53%        |
| 08/30/18 | 17,110                    | 160           | 358                 | 207                       | 588                        | 633                | 589                  | 18,423             | 3,350   | 5,288               | 4,266       | 186                | 36                   | 75    | 9,779               | 9,852               | 5,294         | 5,011     | 5,444       | 52%           | 53%       | 53%        |
| 08/31/18 | 17,576                    | 160           | 391                 | 213                       | 562                        | 635                | 589                  | 18,902             | 3,300   | 5,491               | 4,260       | 184                | 37                   | 102   | 10,000              | 9,685               | 5,602         | 5,237     | 5,449       | 51%           | 52%       | 52%        |
| Total    | 559,688                   | 4,960         | 14,700              | 7,691                     | 18,576                     | 18,806             | 18,782               | 605,615            | 118,300 | 179,186             | 131,566     | 5,724              | 1,098                | 3,012 | 318,390             | 309,491             | 168,925       | 172,267   | 185,184     | -             | -         | -          |
| Average  | 18,054                    | 160           | 474                 | 248                       | 599                        | 607                | 606                  | 19,536             | 3,816   | 5,780               | 4,244       | 185                | 35                   | 97    | 10,271              | 9,984               | 5,449         | 5,557     | 5,974       | 51%           | 51%       | 51%        |