

# COLORADO RIVER BASIN PROJECT

729

## SUMMARY OF OPERATIONS—LAKE POWELL

### 2030 CONDITIONS

[Unit—1,000 acre-feet]

| Water-year<br><br>(1) | Inflow                  |                                                 | Evapo-<br>ration<br>(4) | Power releases        |              | Spill<br>(7) | Reservoir<br>content<br>end of<br>year <sup>1</sup><br>(8) | Water<br>surface<br>elevation<br>end of<br>year<br>(feet)<br>(9) |
|-----------------------|-------------------------|-------------------------------------------------|-------------------------|-----------------------|--------------|--------------|------------------------------------------------------------|------------------------------------------------------------------|
|                       | Unregu-<br>lated<br>(2) | Regulated<br>by<br>upstream<br>reservoir<br>(3) |                         | Sched-<br>uled<br>(5) | Other<br>(6) |              |                                                            |                                                                  |
| 1906.....             | 13,508                  | 12,868                                          | 332                     | 8,230                 | 0            | 0            | 10,190                                                     | 3,596                                                            |
| 1907.....             | 16,816                  | 15,735                                          | 483                     | 8,230                 | 0            | 0            | 17,212                                                     | 3,656                                                            |
| 1908.....             | 8,078                   | 8,177                                           | 563                     | 8,230                 | 0            | 0            | 06,596                                                     | 3,650                                                            |
| 1909.....             | 16,895                  | 15,746                                          | 637                     | 8,230                 | 0            | 0            | 23,475                                                     | 3,695                                                            |
| 1910.....             | 9,261                   | 9,294                                           | 717                     | 8,230                 | 115          | 0            | 23,707                                                     | 3,698                                                            |
| 1911.....             | 10,732                  | 10,905                                          | 724                     | 8,230                 | 1,561        | 390          | 23,707                                                     | 3,698                                                            |
| 1912.....             | 14,449                  | 14,036                                          | 724                     | 8,230                 | 3,794        | 1,288        | 23,707                                                     | 3,698                                                            |
| 1913.....             | 9,432                   | 9,082                                           | 724                     | 8,230                 | 128          | 0            | 23,707                                                     | 3,698                                                            |
| 1914.....             | 15,052                  | 14,895                                          | 724                     | 8,230                 | 3,794        | 2,147        | 23,707                                                     | 3,698                                                            |
| 1915.....             | 9,050                   | 9,420                                           | 724                     | 8,230                 | 466          | 0            | 23,707                                                     | 3,698                                                            |
| 1916.....             | 13,330                  | 12,735                                          | 724                     | 8,230                 | 3,015        | 766          | 23,707                                                     | 3,698                                                            |
| 1917.....             | 13,353                  | 17,198                                          | 724                     | 8,230                 | 3,794        | 4,450        | 23,707                                                     | 3,698                                                            |
| 1918.....             | 10,167                  | 10,009                                          | 724                     | 8,230                 | 1,000        | 55           | 23,707                                                     | 3,698                                                            |
| 1919.....             | 7,791                   | 8,475                                           | 712                     | 8,230                 | 0            | 0            | 23,240                                                     | 3,695                                                            |
| 1920.....             | 15,639                  | 15,346                                          | 712                     | 8,230                 | 3,794        | 2,143        | 23,707                                                     | 3,698                                                            |
| 1921.....             | 16,547                  | 15,843                                          | 724                     | 8,230                 | 3,794        | 3,095        | 23,707                                                     | 3,698                                                            |
| 1922.....             | 12,601                  | 12,458                                          | 724                     | 8,230                 | 2,803        | 701          | 23,707                                                     | 3,698                                                            |
| 1923.....             | 12,567                  | 12,396                                          | 724                     | 8,230                 | 2,754        | 688          | 23,707                                                     | 3,698                                                            |
| 1924.....             | 9,221                   | 9,268                                           | 724                     | 8,230                 | 314          | 0            | 23,707                                                     | 3,698                                                            |
| 1925.....             | 8,247                   | 8,178                                           | 708                     | 8,230                 | 0            | 0            | 22,947                                                     | 3,693                                                            |
| 1926.....             | 10,552                  | 10,793                                          | 708                     | 8,230                 | 1,000        | 95           | 23,707                                                     | 3,698                                                            |
| 1927.....             | 12,841                  | 12,382                                          | 724                     | 8,230                 | 2,742        | 686          | 23,707                                                     | 3,698                                                            |
| 1928.....             | 11,790                  | 11,421                                          | 724                     | 8,230                 | 1,874        | 593          | 23,707                                                     | 3,698                                                            |
| 1929.....             | 15,204                  | 15,219                                          | 724                     | 8,230                 | 3,794        | 2,471        | 23,707                                                     | 3,698                                                            |
| 1930.....             | 9,802                   | 9,527                                           | 724                     | 8,230                 | 573          | 0            | 23,707                                                     | 3,698                                                            |
| 1931.....             | 3,869                   | 5,013                                           | 677                     | 8,230                 | 0            | 0            | 19,813                                                     | 3,673                                                            |
| 1932.....             | 11,732                  | 11,452                                          | 663                     | 8,230                 | 0            | 0            | 22,372                                                     | 3,688                                                            |
| 1933.....             | 6,838                   | 7,259                                           | 674                     | 8,230                 | 0            | 0            | 20,727                                                     | 3,679                                                            |
| 1934.....             | 2,092                   | 3,444                                           | 584                     | 8,230                 | 0            | 0            | 15,357                                                     | 3,642                                                            |
| 1935.....             | 7,031                   | 7,043                                           | 503                     | 8,230                 | 0            | 0            | 13,667                                                     | 3,628                                                            |
| 1936.....             | 8,854                   | 8,293                                           | 478                     | 8,230                 | 0            | 0            | 13,252                                                     | 3,625                                                            |
| 1937.....             | 8,802                   | 8,720                                           | 473                     | 8,230                 | 0            | 0            | 13,269                                                     | 3,625                                                            |
| 1938.....             | 11,995                  | 11,614                                          | 506                     | 8,230                 | 0            | 0            | 16,147                                                     | 3,648                                                            |
| 1939.....             | 6,594                   | 6,615                                           | 517                     | 8,230                 | 0            | 0            | 14,015                                                     | 3,630                                                            |
| 1940.....             | 4,533                   | 5,439                                           | 445                     | 8,230                 | 0            | 0            | 10,779                                                     | 3,604                                                            |
| 1941.....             | 12,494                  | 12,022                                          | 447                     | 8,230                 | 0            | 0            | 14,124                                                     | 3,632                                                            |
| 1942.....             | 13,274                  | 13,071                                          | 545                     | 8,230                 | 0            | 0            | 18,420                                                     | 3,664                                                            |
| 1943.....             | 8,277                   | 7,624                                           | 587                     | 8,230                 | 0            | 0            | 17,227                                                     | 3,656                                                            |
| 1944.....             | 10,020                  | 9,730                                           | 582                     | 8,230                 | 0            | 0            | 18,145                                                     | 3,662                                                            |
| 1945.....             | 8,535                   | 8,457                                           | 590                     | 8,230                 | 0            | 0            | 17,782                                                     | 3,660                                                            |
| 1946.....             | 6,054                   | 6,160                                           | 552                     | 8,230                 | 0            | 0            | 15,160                                                     | 3,638                                                            |
| 1947.....             | 10,280                  | 9,616                                           | 531                     | 8,230                 | 0            | 0            | 16,015                                                     | 3,646                                                            |
| 1948.....             | 10,376                  | 10,251                                          | 555                     | 8,230                 | 0            | 0            | 17,481                                                     | 3,657                                                            |
| 1949.....             | 11,036                  | 10,921                                          | 597                     | 8,230                 | 0            | 0            | 19,575                                                     | 3,672                                                            |
| 1950.....             | 8,124                   | 7,328                                           | 604                     | 8,230                 | 0            | 0            | 18,069                                                     | 3,662                                                            |
| 1951.....             | 7,284                   | 6,863                                           | 563                     | 8,230                 | 0            | 0            | 16,139                                                     | 3,648                                                            |
| 1952.....             | 14,556                  | 13,664                                          | 597                     | 8,230                 | 0            | 0            | 20,976                                                     | 3,681                                                            |
| 1953.....             | 6,269                   | 6,703                                           | 629                     | 8,230                 | 0            | 0            | 18,820                                                     | 3,670                                                            |
| 1954.....             | 3,757                   | 4,447                                           | 555                     | 8,230                 | 0            | 0            | 14,482                                                     | 3,633                                                            |
| 1955.....             | 5,026                   | 5,811                                           | 464                     | 8,230                 | 0            | 0            | 11,599                                                     | 3,610                                                            |
| 1956.....             | 6,339                   | 6,210                                           | 395                     | 8,230                 | 0            | 0            | 9,184                                                      | 3,584                                                            |
| 1957.....             | 14,093                  | 12,882                                          | 420                     | 8,230                 | 0            | 0            | 13,416                                                     | 3,626                                                            |
| 1958.....             | 11,079                  | 11,385                                          | 509                     | 8,230                 | 0            | 0            | 16,062                                                     | 3,647                                                            |
| 1959.....             | 4,559                   | 5,171                                           | 498                     | 8,230                 | 0            | 0            | 12,505                                                     | 3,618                                                            |
| 1960.....             | 6,755                   | 6,854                                           | 428                     | 8,230                 | 0            | 0            | 10,701                                                     | 3,601                                                            |
| 1961.....             | 4,435                   | 5,264                                           | 359                     | 8,230                 | 0            | 0            | 7,376                                                      | 3,562                                                            |
| 1962.....             | 11,812                  | 11,058                                          | 348                     | 8,230                 | 0            | 0            | 9,856                                                      | 3,592                                                            |
| 1963.....             | 4,388                   | 5,404                                           | 338                     | 8,230                 | 0            | 0            | 6,692                                                      | 3,551                                                            |
| 1964.....             | 5,837                   | 6,220                                           | 255                     | 8,230                 | 0            | 0            | 4,427                                                      | 3,518                                                            |
| 1965.....             | 11,804                  | 9,922                                           | 235                     | 8,230                 | 0            | 0            | 5,884                                                      | 3,538                                                            |
| Total:                |                         |                                                 |                         |                       |              |              |                                                            |                                                                  |
| 1953-64.....          | 84,349                  | 87,409                                          | 5,198                   | 98,760                | 0            | 0            | -16,549                                                    | -----                                                            |
| 1931-64.....          | 276,999                 | 278,008                                         | 17,468                  | 279,820               | 0            | 0            | -19,280                                                    | -----                                                            |
| 1906-65.....          | 595,728                 | 589,336                                         | 34,859                  | 493,800               | 41,109       | 19,568       | 0                                                          | -----                                                            |
| Average:              |                         |                                                 |                         |                       |              |              |                                                            |                                                                  |
| 1953-64.....          | 7,029                   | 7,284                                           | 433                     | 8,230                 | 0            | 0            | -1,379                                                     | -----                                                            |
| 1931-64.....          | 8,147                   | 8,177                                           | 514                     | 8,230                 | 0            | 0            | -567                                                       | -----                                                            |
| 1906-65.....          | 9,929                   | 9,823                                           | 582                     | 8,230                 | 685          | 326          | 0                                                          | -----                                                            |

<sup>1</sup> Includes 15 percent bank storage but excludes the portion of the original storage capacity impaired by sediment encroachment.